



Synergy Resources Corporation

SEC 5-T5N-R66W

Boomerang 21-5

Boomerang 25N-3A-L

OH

Plan #1

Anticollision Report

05 April, 2017

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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	17,553.57	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	300.00	300.00	75.18	68.29	10.912	CC, ES
Boomerang 12C-6-M - OH - Plan #1	500.00	502.32	78.87	71.25	10.350	SF
Boomerang 12N-6B-M - OH - Plan #1	450.18	453.42	56.86	49.44	7.657	CC, ES
Boomerang 12N-6B-M - OH - Plan #1	7,300.00	7,042.69	442.99	375.10	6.524	SF
Boomerang 13C-6-M - OH - Plan #1	300.00	300.00	135.20	128.31	19.623	CC, ES
Boomerang 13C-6-M - OH - Plan #1	500.00	496.51	144.34	136.74	18.991	SF
Boomerang 13N-6B-M - OH - Plan #1	200.00	200.00	120.20	113.53	18.010	CC
Boomerang 13N-6B-M - OH - Plan #1	300.00	299.76	120.30	113.41	17.468	ES
Boomerang 13N-6B-M - OH - Plan #1	500.00	497.99	128.92	121.31	16.948	SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	14.94	8.27	2.239	CC
Boomerang 25N-3B-L - OH - Plan #1	17,553.96	17,666.98	208.20	-296.94	0.412	Level 1, ES, SF
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	210.23	203.56	31.500	CC, ES
Boomerang 28C-3-L - OH - Plan #1	17,500.00	18,095.23	2,486.29	1,874.00	4.061	SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	195.23	188.55	29.252	CC, ES
Boomerang 28N-3A-L - OH - Plan #1	17,500.00	17,638.91	2,281.09	1,664.69	3.701	SF
Boomerang 32C-6-M - OH - Plan #1	452.66	454.31	26.23	18.79	3.528	CC, ES
Boomerang 32C-6-M - OH - Plan #1	7,506.32	7,008.80	101.12	29.36	1.409	Level 3, SF
Boomerang 32N-6B-M - OH - Plan #1	300.00	300.00	15.19	8.30	2.205	CC
Boomerang 32N-6B-M - OH - Plan #1	400.00	400.49	15.26	8.05	2.115	ES
Boomerang 32N-6B-M - OH - Plan #1	500.00	500.92	15.88	8.24	2.079	SF
Boomerang 32N-6C-M - OH - Plan #1	300.00	300.00	45.15	38.26	6.553	CC, ES
Boomerang 32N-6C-M - OH - Plan #1	7,387.04	7,039.24	202.75	132.82	2.899	SF
Boomerang 33C-6-M - OH - Plan #1	300.00	300.00	105.17	98.28	15.265	CC, ES
Boomerang 33C-6-M - OH - Plan #1	500.00	500.07	111.76	104.16	14.693	SF
Boomerang 33N-6C-M - OH - Plan #1	356.11	357.92	89.11	82.05	12.621	CC, ES
Boomerang 33N-6C-M - OH - Plan #1	500.00	502.64	92.15	84.52	12.077	SF
Boomerang 34C-6-M - OH - Plan #1	300.00	300.00	165.20	158.31	23.977	CC, ES
Boomerang 34C-6-M - OH - Plan #1	500.00	492.06	176.49	168.90	23.226	SF
Boomerang 34N-6A-M - OH - Plan #1	300.00	300.00	150.20	143.31	21.800	CC, ES
Boomerang 34N-6A-M - OH - Plan #1	500.00	493.53	161.00	153.40	21.184	SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	180.23	173.56	27.005	CC, ES
Boomerang 34N-6C-M - OH - Plan #1	400.00	390.33	187.14	179.94	25.985	SF
FRAKER #1 - OH - OH	300.00	310.00	4,519.12	4,506.02	345.077	CC
FRAKER #1 - OH - OH	3,600.00	3,569.08	4,612.39	4,472.88	33.061	ES
FRAKER #1 - OH - OH	6,700.00	6,602.86	4,885.16	4,625.72	18.830	SF
FRAKER J #6-2 - OH - OH	4,005.83	3,925.35	4,229.62	4,075.85	27.505	CC
FRAKER J #6-2 - OH - OH	6,300.00	6,188.05	4,247.11	4,003.70	17.448	ES

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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						
FRAKER J #6-2 - OH - OH	6,650.00	6,513.04	4,358.77	4,102.61	17.016	SF
GREELEY TECH CENTER #41-5 - OH - OH	9,098.51	6,857.78	193.60	90.50	1.878	CC
GREELEY TECH CENTER #41-5 - OH - OH	9,100.00	6,857.77	193.60	90.49	1.878	ES, SF
KELLY # 1-3 - OH - OH	15,645.39	6,888.33	1,904.79	1,410.73	3.855	CC
KELLY # 1-3 - OH - OH	15,700.00	6,888.89	1,905.57	1,410.13	3.846	ES
KELLY # 1-3 - OH - OH	15,800.00	6,889.92	1,911.05	1,413.63	3.842	SF
KELLY #2-3 - OH - OH	16,967.52	6,885.96	470.71	-60.74	0.886	Level 1, CC, ES, SF
Kelly Farms #12-4-3CHZ - OH - OH	12,105.00	6,962.69	1,728.48	1,543.20	9.329	CC
Kelly Farms #12-4-3CHZ - OH - OH	17,100.00	12,022.00	1,750.39	1,290.29	3.804	ES
Kelly Farms #12-4-3CHZ - OH - OH	17,200.00	12,022.00	1,754.54	1,292.94	3.801	SF
Kelly Farms #22-4-3CHZ - OH - OH	12,111.33	6,883.00	1,975.35	1,789.91	10.652	CC
Kelly Farms #22-4-3CHZ - OH - OH	17,100.00	11,966.00	2,021.31	1,560.94	4.391	ES
Kelly Farms #22-4-3CHZ - OH - OH	17,200.00	11,966.00	2,025.97	1,563.84	4.384	SF
Kelly Farms #A-4-3CHZ - oH - OH	12,079.58	6,785.86	1,522.00	1,338.79	8.307	CC
Kelly Farms #A-4-3CHZ - oH - OH	17,100.00	12,002.35	1,568.09	1,110.11	3.424	ES
Kelly Farms #A-4-3CHZ - oH - OH	17,200.00	12,005.00	1,571.26	1,111.62	3.418	SF
Kelly Farms #A-4-3NHZ - OH - OH	12,348.90	7,091.73	1,264.40	1,069.66	6.493	CC
Kelly Farms #A-4-3NHZ - OH - OH	17,118.52	11,898.00	1,315.09	847.95	2.815	ES
Kelly Farms #A-4-3NHZ - OH - OH	17,200.00	11,898.00	1,317.61	849.49	2.815	SF
LA POUDRE SOUTH #4 - OH - OH	6,294.66	6,249.78	5,876.61	5,631.10	23.936	CC
LA POUDRE SOUTH #4 - OH - OH	6,300.00	6,255.05	5,876.63	5,630.91	23.916	ES
LA POUDRE SOUTH #4 - OH - OH	6,800.00	6,707.00	6,065.88	5,802.52	23.033	SF
Orr 36C-32-M - OH - OH	7,150.00	16,175.00	511.67	237.41	1.866	ES, SF
Orr 36C-32-M - OH - OH	7,150.36	16,175.00	511.67	237.42	1.866	CC
Orr State 36N-35C-M - OH - OH	6,292.10	6,624.00	7,485.68	7,407.37	95.591	CC, ES
Orr State 36N-35C-M - OH - OH	6,500.00	6,624.00	7,522.08	7,442.88	94.972	SF
PEANUT #1 - OH - OH	5,825.14	5,740.70	7,406.29	7,180.68	32.828	CC
PEANUT #1 - OH - OH	6,300.00	6,209.05	7,407.29	7,163.12	30.337	ES
PEANUT #1 - OH - OH	6,800.00	6,647.00	7,613.21	7,351.93	29.138	SF
REICHERT #1-6 - OH - OH	5,398.79	5,368.21	5,942.03	5,731.41	28.212	CC
REICHERT #1-6 - OH - OH	6,300.00	6,257.05	5,944.47	5,698.63	24.180	ES
REICHERT #1-6 - OH - OH	6,800.00	6,705.00	6,151.23	5,887.93	23.362	SF
ROTHER #1-14 - OH - OH	300.00	333.00	8,672.27	8,658.41	625.944	CC
ROTHER #1-14 - OH - OH	6,272.77	6,228.20	8,785.40	8,540.70	35.902	ES
ROTHER #1-14 - OH - OH	6,800.00	6,707.00	8,999.08	8,735.71	34.169	SF
SOUTH #6-21D - OH - OH	0.00	0.00	5,636.80			
SOUTH #6-21D - OH - OH	6,550.00	6,829.47	5,901.77	5,821.54	73.562	SF
SOUTH #6-22D - OH - OH	0.00	0.00	5,638.62			
SOUTH #6-22D - OH - OH	6,700.00	6,618.14	6,343.29	6,281.26	102.265	SF
SOUTH #6-23D - OH - OH	0.00	0.00	5,648.69			
SOUTH #6-23D - OH - OH	6,750.00	6,698.57	7,005.49	6,943.26	112.571	SF
SOUTH #6-24D - OH - OH	349.72	372.31	5,649.12	5,642.05	798.187	CC
SOUTH #6-24D - OH - OH	400.00	415.86	5,649.24	5,642.01	780.333	ES
SOUTH #6-24D - OH - OH	6,450.00	4,300.00	7,156.40	7,100.32	127.595	SF
SRC #31-5D - OH - OH	7,635.52	7,089.42	318.95	247.79	4.482	CC, ES, SF
SRC Northridge #11-4D - OH - OH	10,367.67	7,330.02	428.58	221.29	2.068	CC
SRC Northridge #11-4D - OH - OH	10,400.00	7,329.57	429.80	217.55	2.025	ES, SF
SRC Northridge #12-4D - OH - OH	10,478.05	7,116.30	1,736.70	1,537.19	8.705	CC
SRC Northridge #12-4D - OH - OH	10,500.00	7,116.26	1,736.84	1,536.74	8.680	ES
SRC Northridge #12-4D - OH - OH	10,700.00	7,115.90	1,750.83	1,546.69	8.577	SF
SRC Northridge #21-4D - OH - OH	11,675.57	7,065.69	405.68	227.35	2.275	CC
SRC Northridge #21-4D - OH - OH	11,700.00	7,065.28	406.42	227.10	2.266	ES, SF
SRC Northridge #22-4D - OH - OH	11,653.87	5,065.90	2,625.88	2,505.35	21.786	CC

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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						
SRC Northridge #22-4D - OH - OH	11,700.00	5,065.90	2,626.29	2,504.83	21.623	ES
SRC Northridge #22-4D - OH - OH	12,300.00	5,065.90	2,704.21	2,573.35	20.665	SF
SRC Northridge #4AD - OH - OH	11,103.55	6,983.42	1,240.62	1,061.42	6.923	CC, ES
SRC Northridge #4AD - OH - OH	11,300.00	6,980.01	1,256.07	1,071.10	6.791	SF
SRC Northridge #4KD - OH - OH	10,911.75	6,900.00	2,530.81	2,347.62	13.815	CC, ES
SRC Northridge #4KD - OH - OH	11,200.00	6,900.00	2,547.17	2,359.96	13.606	SF
SRC Wiedeman #11-5-3NCHZ - OH - OH	652.63	660.16	503.11	494.73	60.037	CC
SRC Wiedeman #11-5-3NCHZ - OH - OH	17,100.00	16,790.09	797.07	193.33	1.320	Level 3, ES
SRC Wiedeman #11-5-3NCHZ - OH - OH	17,200.00	16,845.00	800.93	194.13	1.320	Level 3, SF
SRC Wiedeman #12-5-4CHZ - OH - OH	636.66	647.10	503.78	495.34	59.720	CC, ES
SRC Wiedeman #12-5-4CHZ - OH - OH	11,900.00	11,723.00	1,391.36	1,094.26	4.683	SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	552.55	559.54	507.50	499.52	63.585	CC, ES
SRC Wiedeman #12-5-4NCHZ - OH - OH	11,900.00	11,650.00	1,583.60	1,281.28	5.238	SF
SRC Wiedeman #21-5-3CHZ - OH - OH	7,335.85	6,943.21	142.17	76.95	2.180	CC
SRC Wiedeman #21-5-3CHZ - OH - OH	16,795.34	16,479.60	187.52	-310.90	0.376	Level 1, ES, SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	4,368.43	4,386.19	492.63	451.97	12.113	CC
SRC Wiedeman #21-5-3NBHZ - OH - OH	17,109.85	16,750.22	551.17	-66.28	0.893	Level 1, ES, SF
SRC Wiedeman #22-5-4CHZ - OH - OH	362.06	359.06	512.34	505.20	71.717	CC, ES
SRC Wiedeman #22-5-4CHZ - OH - OH	12,000.00	11,784.00	2,093.89	1,790.67	6.905	SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	497.30	498.62	505.54	497.85	65.701	CC
SRC Wiedeman #A-5-3NBHZ - OH - OH	17,100.00	16,717.76	1,005.32	385.81	1.623	ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	17,200.00	16,769.00	1,009.68	387.45	1.623	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	4,763.86	0.00	1,050.48	1,028.51	47.824	CC, ES
SRC Wiedeman 22-5-4NBHZ - OH - OH	6,350.00	1,362.51	1,277.20	1,242.54	36.844	SF
WIEDEMAN #18-5 - OH - OH	100.00	59.08	958.27	951.70	145.799	CC, ES
WIEDEMAN #18-5 - OH - OH	6,350.00	6,283.42	1,434.43	1,378.34	25.572	SF
WIEDEMAN #22-5 - OH - OH	1,867.40	1,896.69	692.21	672.32	34.801	CC
WIEDEMAN #22-5 - OH - OH	1,900.00	1,925.00	692.39	672.11	34.129	ES
WIEDEMAN #22-5 - OH - OH	2,600.00	2,512.66	795.93	767.48	27.968	SF
WIEDEMAN #25-5 - OH - OH	1,217.04	1,151.92	953.67	941.61	79.078	CC, ES
WIEDEMAN #25-5 - OH - OH	6,750.00	6,944.40	2,764.62	2,700.68	43.239	SF
WIEDEMAN #29-5 - OH - OH	6,302.34	6,306.42	912.94	850.38	14.594	CC, ES
WIEDEMAN #29-5 - OH - OH	6,400.00	6,398.48	920.40	857.01	14.520	SF
WIEDEMAN #3-5 - OH - OH	4,674.75	4,687.37	249.31	204.74	5.593	CC
WIEDEMAN #3-5 - OH - OH	4,700.00	4,712.14	249.35	204.65	5.578	ES
WIEDEMAN #3-5 - OH - OH	5,200.00	5,210.98	255.57	208.03	5.377	SF
WIEDEMAN #4-5 - OH - OH	100.00	56.68	989.77	983.20	150.609	CC, ES
WIEDEMAN #4-5 - OH - OH	6,400.00	6,387.31	1,591.41	1,531.84	26.712	SF
WIEDEMAN #5-5 - OH - OH	100.00	57.14	974.66	968.09	148.304	CC, ES
WIEDEMAN #5-5 - OH - OH	6,450.00	6,505.28	2,435.68	2,376.60	41.230	SF
WIEDEMAN #6-5 - OH - OH	1,656.97	1,692.01	828.63	810.22	45.021	CC
WIEDEMAN #6-5 - OH - OH	1,700.00	1,733.49	828.78	809.88	43.846	ES
WIEDEMAN #6-5 - OH - OH	6,650.00	6,827.96	1,855.05	1,792.18	29.507	SF

Offset Design										Offset Site Error:	0.00 ft
Boomerang 21-5 - Boomerang 12C-6-M - OH - Plan #1										Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1											
Reference		Offset		Semi Major Axis		Distance					
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)
0.00	0.00	0.00	0.00	3.28	3.28	-173.41	-74.69	-8.63	75.18		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
100.00	100.00	100.00	100.00	3.28	3.28	-173.41	-74.69	-8.63	75.18	68.61	6.57	11.444		
200.00	200.00	200.00	200.00	3.34	3.34	-173.41	-74.69	-8.63	75.18	68.51	6.67	11.265		
300.00	300.00	300.00	300.00	3.44	3.44	-173.41	-74.69	-8.63	75.18	68.29	6.89	10.912 CC, ES		
400.00	399.98	401.29	401.26	3.60	3.60	-170.86	-73.98	-6.99	76.04	68.83	7.21	10.547		
500.00	499.84	502.32	502.15	3.81	3.81	-174.88	-71.86	-2.07	78.87	71.25	7.62	10.350 SF		
600.00	599.45	602.85	602.29	4.06	4.05	179.10	-68.35	6.05	84.35	76.25	8.11	10.404		
700.00	698.70	702.65	701.32	4.34	4.33	172.02	-63.49	17.31	93.34	84.68	8.66	10.778		
775.00	772.83	776.72	774.56	4.57	4.56	166.74	-59.09	27.49	102.84	93.72	9.11	11.284		
800.00	797.48	801.30	798.85	4.65	4.64	165.21	-57.60	30.94	106.48	97.21	9.27	11.484		
900.00	896.11	900.39	896.00	4.97	4.96	160.01	-51.64	44.75	121.67	111.75	9.92	12.262		
1,000.00	994.74	1,002.09	993.15	5.31	5.32	155.99	-45.68	58.56	137.63	127.01	10.62	12.957		
1,100.00	1,093.37	1,103.78	1,090.30	5.68	5.70	152.80	-39.72	72.36	154.12	142.77	11.35	13.573		
1,200.00	1,192.00	1,205.48	1,187.45	6.06	6.10	150.24	-33.76	86.17	170.98	158.87	12.11	14.115		
1,300.00	1,290.63	1,307.17	1,284.59	6.45	6.50	148.14	-27.80	99.98	188.12	175.23	12.89	14.589		
1,400.00	1,389.26	1,391.14	1,381.74	6.86	6.84	146.38	-21.84	113.79	205.47	191.84	13.62	15.084		
1,500.00	1,487.88	1,489.44	1,478.89	7.27	7.25	144.91	-15.88	127.60	222.97	208.55	14.42	15.462		
1,600.00	1,586.51	1,587.75	1,576.04	7.69	7.66	143.64	-9.92	141.40	240.59	225.36	15.23	15.795		
1,700.00	1,685.14	1,686.05	1,673.19	8.11	8.08	142.55	-3.96	155.21	258.32	242.26	16.06	16.089		
1,800.00	1,783.77	1,784.36	1,770.34	8.54	8.50	141.60	2.01	169.02	276.12	259.23	16.89	16.350		
1,900.00	1,882.40	1,882.67	1,867.49	8.97	8.93	140.77	7.97	182.83	293.98	276.26	17.73	16.583		
2,000.00	1,981.03	1,980.97	1,964.64	9.41	9.36	140.03	13.93	196.63	311.90	293.33	18.57	16.792		
2,100.00	2,079.66	2,079.28	2,061.78	9.84	9.80	139.37	19.89	210.44	329.87	310.44	19.43	16.979		
2,200.00	2,178.28	2,177.58	2,158.93	10.29	10.23	138.78	25.85	224.25	347.87	327.59	20.29	17.148		
2,300.00	2,276.91	2,275.89	2,256.08	10.73	10.67	138.24	31.81	238.06	365.91	344.76	21.15	17.301		
2,400.00	2,375.54	2,374.19	2,353.23	11.18	11.11	137.76	37.77	251.86	383.97	361.96	22.02	17.440		
2,500.00	2,474.17	2,472.50	2,450.38	11.62	11.56	137.32	43.73	265.67	402.06	379.17	22.89	17.567		
2,600.00	2,572.80	2,570.81	2,547.53	12.07	12.00	136.92	49.69	279.48	420.17	396.41	23.76	17.683		
2,700.00	2,671.43	2,669.11	2,644.68	12.52	12.45	136.55	55.65	293.29	438.30	413.66	24.64	17.789		
2,800.00	2,770.05	2,767.42	2,741.82	12.97	12.89	136.21	61.61	307.10	456.44	430.92	25.52	17.887		
2,900.00	2,868.68	2,865.72	2,838.97	13.43	13.34	135.90	67.57	320.90	474.60	448.20	26.40	17.977		
3,000.00	2,967.31	2,964.03	2,936.12	13.88	13.79	135.61	73.54	334.71	492.77	465.48	27.28	18.060		
3,100.00	3,065.94	3,062.34	3,033.27	14.34	14.24	135.34	79.50	348.52	510.95	482.78	28.17	18.138		
3,200.00	3,164.57	3,160.64	3,130.42	14.79	14.69	135.09	85.46	362.33	529.14	500.08	29.06	18.210		
3,300.00	3,263.20	3,258.95	3,227.57	15.25	15.14	134.85	91.42	376.13	547.34	517.39	29.95	18.276		
3,400.00	3,361.83	3,357.25	3,324.72	15.71	15.60	134.63	97.38	389.94	565.55	534.71	30.84	18.339		
3,500.00	3,460.45	3,455.56	3,421.86	16.17	16.05	134.43	103.34	403.75	583.77	552.04	31.73	18.397		
3,600.00	3,559.08	3,553.86	3,519.01	16.62	16.50	134.23	109.30	417.56	601.99	569.37	32.62	18.452		
3,700.00	3,657.71	3,652.17	3,616.16	17.08	16.96	134.05	115.26	431.36	620.22	586.70	33.52	18.504		
3,800.00	3,756.34	3,750.48	3,713.31	17.54	17.41	133.88	121.22	445.17	638.46	604.04	34.41	18.552		
3,900.00	3,854.97	3,848.78	3,810.46	18.00	17.87	133.72	127.18	458.98	656.70	621.39	35.31	18.597		
4,000.00	3,953.60	3,947.09	3,907.61	18.46	18.32	133.56	133.14	472.79	674.94	638.73	36.21	18.640		
4,100.00	4,052.23	4,045.39	4,004.76	18.92	18.78	133.42	139.10	486.60	693.19	656.08	37.11	18.681		
4,200.00	4,150.85	4,143.70	4,101.90	19.39	19.24	133.28	145.07	500.40	711.45	673.44	38.01	18.719		
4,300.00	4,249.48	4,242.01	4,199.05	19.85	19.69	133.15	151.03	514.21	729.70	690.80	38.91	18.756		
4,400.00	4,348.11	4,340.31	4,296.20	20.31	20.15	133.03	156.99	528.02	747.96	708.16	39.81	18.790		
4,500.00	4,446.74	4,438.62	4,393.35	20.77	20.61	132.91	162.95	541.83	766.23	725.52	40.71	18.823		
4,600.00	4,545.37	4,536.92	4,490.50	21.23	21.06	132.79	168.91	555.63	784.50	742.89	41.61	18.854		
4,700.00	4,644.00	4,635.23	4,587.65	21.70	21.52	132.69	174.87	569.44	802.77	760.26	42.51	18.883		
4,800.00	4,742.63	4,733.53	4,684.80	22.16	21.98	132.58	180.83	583.25	821.04	777.63	43.41	18.912		
4,900.00	4,841.25	4,831.84	4,781.94	22.62	22.44	132.49	186.79	597.06	839.32	795.00	44.32	18.938		
5,000.00	4,939.88	4,930.15	4,879.09	23.09	22.90	132.39	192.75	610.86	857.59	812.37	45.22	18.964		
5,100.00	5,038.51	5,028.45	4,976.24	23.55	23.36	132.30	198.71	624.67	875.87	829.75	46.13	18.989		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,200.00	5,137.14	5,126.76	5,073.39	24.02	23.82	132.21	204.67	638.48	894.16	847.12	47.03	19.012		
5,300.00	5,235.77	5,225.06	5,170.54	24.48	24.27	132.13	210.63	652.29	912.44	864.50	47.94	19.035		
5,400.00	5,334.40	5,323.37	5,267.69	24.94	24.73	132.05	216.59	666.10	930.72	881.88	48.84	19.056		
5,500.00	5,433.03	5,421.68	5,364.84	25.41	25.19	131.97	222.56	679.90	949.01	899.27	49.75	19.077		
5,600.00	5,531.65	5,519.98	5,461.99	25.87	25.65	131.90	228.52	693.71	967.30	916.65	50.65	19.097		
5,700.00	5,630.28	5,618.29	5,559.13	26.34	26.11	131.83	234.48	707.52	985.59	934.03	51.56	19.116		
5,800.00	5,728.91	5,716.59	5,656.28	26.80	26.57	131.76	240.44	721.33	1,003.88	951.42	52.47	19.134		
5,900.00	5,827.54	5,814.90	5,753.43	27.27	27.03	131.69	246.40	735.13	1,022.18	968.80	53.37	19.151		
6,000.00	5,926.17	5,913.20	5,850.58	27.73	27.49	131.63	252.36	748.94	1,040.47	986.19	54.28	19.168		
6,100.00	6,024.80	6,011.51	5,947.73	28.20	27.95	131.57	258.32	762.75	1,058.77	1,003.58	55.19	19.185		
6,200.00	6,123.43	6,109.82	6,044.88	28.66	28.41	131.51	264.28	776.56	1,077.06	1,020.97	56.10	19.200		
6,272.77	6,195.20	6,181.36	6,115.57	29.00	28.75	131.47	268.62	786.61	1,090.38	1,033.62	56.76	19.211		
6,300.00	6,222.05	6,208.20	6,142.10	29.13	28.88	116.68	270.25	790.38	1,094.91	1,037.90	57.00	19.207		
6,350.00	6,271.23	7,813.14	7,131.45	29.36	40.42	151.61	297.49	-47.84	1,084.11	1,035.66	48.45	22.376		
6,400.00	6,319.99	7,804.91	7,131.54	29.58	40.28	140.05	297.77	-39.62	1,050.91	1,000.79	50.12	20.968		
6,450.00	6,368.01	7,807.16	7,131.67	29.79	40.32	133.47	298.19	-27.55	1,019.42	967.48	51.94	19.628		
6,500.00	6,415.02	7,777.00	7,131.84	29.99	39.86	129.59	298.74	-11.72	989.88	936.49	53.38	18.542		
6,550.00	6,460.71	7,757.49	7,132.05	30.18	39.57	127.09	299.42	7.77	962.47	907.53	54.93	17.520		
6,600.00	6,504.81	7,734.44	7,132.29	30.36	39.22	125.29	300.22	30.81	937.32	880.93	56.39	16.621		
6,650.00	6,547.04	7,707.97	7,132.58	30.53	38.83	123.82	301.14	57.26	914.54	856.79	57.74	15.838		
6,700.00	6,587.14	7,678.27	7,132.90	30.69	38.42	122.50	302.18	86.94	894.13	835.14	58.99	15.158		
6,750.00	6,624.87	7,645.50	7,133.25	30.83	37.98	121.24	303.32	119.69	876.09	815.99	60.11	14.576		
6,800.00	6,660.00	7,609.88	7,133.63	30.96	37.50	120.00	304.55	155.29	860.34	799.26	61.07	14.087		
6,850.00	6,692.30	7,565.92	7,134.03	31.07	36.96	118.55	306.08	199.22	846.74	784.89	61.85	13.691		
6,900.00	6,721.58	7,470.27	7,126.54	31.23	35.86	114.89	308.91	294.44	833.57	771.44	62.13	13.416		
6,950.00	6,747.66	7,390.36	7,109.41	31.56	35.03	111.74	310.61	372.43	820.22	757.41	62.80	13.060		
7,000.00	6,770.37	7,321.94	7,087.09	31.92	34.40	109.02	311.56	437.06	807.24	743.61	63.63	12.686		
7,050.00	6,789.58	7,261.97	7,061.93	32.33	33.90	106.63	312.00	491.47	795.03	730.55	64.48	12.329		
7,100.00	6,805.17	7,208.30	7,035.17	32.78	33.50	104.49	312.07	537.97	783.84	718.55	65.29	12.005		
7,150.00	6,817.03	7,159.40	7,007.46	33.27	33.17	102.52	311.89	578.25	773.84	707.81	66.03	11.719		
7,200.00	6,825.11	7,114.17	6,979.16	33.80	32.90	100.68	311.49	613.51	765.13	698.43	66.69	11.473		
7,250.00	6,829.35	7,071.83	6,950.47	34.37	32.66	98.93	310.94	644.63	757.75	690.49	67.27	11.265		
7,273.12	6,830.00	7,053.05	6,937.09	34.65	32.56	98.15	310.63	657.80	754.80	687.30	67.50	11.182		
7,300.00	6,830.28	7,032.25	6,921.83	34.98	32.45	96.97	310.25	671.93	751.76	683.99	67.77	11.092		
7,400.00	6,831.31	6,966.64	6,870.81	36.32	32.14	93.02	308.78	713.12	745.04	676.35	68.69	10.847		
7,428.20	6,831.60	6,951.00	6,858.04	36.75	32.06	92.04	308.36	722.15	744.67	675.74	68.93	10.803		
7,500.00	6,832.34	6,915.76	6,828.50	37.83	31.91	89.75	307.35	741.32	747.18	677.74	69.44	10.760		
7,600.00	6,833.37	6,875.62	6,793.62	39.49	31.74	87.06	306.06	761.12	759.48	689.46	70.02	10.847		
7,700.00	6,834.40	6,843.39	6,764.76	41.27	31.61	84.85	304.91	775.40	782.33	711.91	70.42	11.110		
7,800.00	6,835.44	6,817.07	6,740.67	43.17	31.50	83.03	303.91	785.98	815.39	744.74	70.65	11.541		
7,900.00	6,836.47	6,800.00	6,724.83	45.17	31.43	81.84	303.24	792.30	857.86	787.03	70.84	12.110		
8,000.00	6,837.50	6,776.87	6,703.11	47.26	31.34	80.23	302.28	800.18	908.60	837.85	70.74	12.844		
8,100.00	6,838.53	6,761.23	6,688.27	49.43	31.28	79.14	301.61	805.06	966.51	895.84	70.66	13.678		
8,200.00	6,839.56	6,750.00	6,677.53	51.66	31.23	78.35	301.11	808.34	1,030.48	959.90	70.58	14.601		
8,300.00	6,840.59	6,736.08	6,664.15	53.95	31.18	77.39	300.49	812.14	1,099.52	1,029.13	70.39	15.621		
8,400.00	6,841.62	6,725.82	6,654.25	56.29	31.14	76.68	300.02	814.75	1,172.80	1,102.57	70.22	16.701		
8,500.00	6,842.65	6,716.77	6,645.47	58.67	31.11	76.05	299.59	816.92	1,249.60	1,179.54	70.06	17.836		
8,600.00	6,843.68	6,700.00	6,629.13	61.10	31.04	74.90	298.80	820.62	1,329.43	1,259.65	69.78	19.052		
8,700.00	6,844.71	6,700.00	6,629.13	63.56	31.04	74.90	298.80	820.62	1,411.57	1,341.84	69.73	20.243		
8,800.00	6,845.75	6,700.00	6,629.13	66.05	31.04	74.90	298.80	820.62	1,495.89	1,426.22	69.67	21.471		
8,900.00	6,846.78	6,700.00	6,629.13	68.58	31.04	74.90	298.80	820.62	1,582.04	1,512.44	69.60	22.731		
9,000.00	6,847.81	6,683.82	6,613.29	71.12	30.98	73.80	298.01	823.77	1,669.46	1,600.11	69.35	24.072		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	6,848.84	6,678.96	6,608.50	73.69	30.96	73.47	297.77	824.64	1,758.28	1,689.04	69.24	25.394		
9,200.00	6,849.87	6,674.50	6,604.12	76.28	30.94	73.17	297.55	825.40	1,848.21	1,779.07	69.14	26.732		
9,300.00	6,850.90	6,670.40	6,600.08	78.89	30.93	72.89	297.34	826.08	1,939.09	1,870.04	69.04	28.085		
9,400.00	6,851.93	6,650.00	6,579.93	81.51	30.85	71.53	296.31	829.06	2,031.06	1,962.26	68.81	29.519		
9,500.00	6,852.96	6,650.00	6,579.93	84.15	30.85	71.53	296.31	829.06	2,123.39	2,054.62	68.77	30.877		
9,600.00	6,853.99	6,650.00	6,579.93	86.80	30.85	71.53	296.31	829.06	2,216.38	2,147.65	68.73	32.247		
9,700.00	6,855.03	6,650.00	6,579.93	89.46	30.85	71.53	296.31	829.06	2,309.96	2,241.26	68.70	33.625		
9,800.00	6,856.06	6,650.00	6,579.93	92.14	30.85	71.53	296.31	829.06	2,404.05	2,335.39	68.67	35.011		
9,900.00	6,857.09	6,650.00	6,579.93	94.83	30.85	71.53	296.31	829.06	2,498.61	2,429.97	68.64	36.403		
10,000.00	6,858.12	6,650.00	6,579.93	97.52	30.85	71.53	296.31	829.06	2,593.57	2,524.96	68.61	37.800		
10,100.00	6,859.15	6,650.00	6,579.93	100.23	30.85	71.53	296.31	829.06	2,688.90	2,620.31	68.59	39.203		
10,200.00	6,860.18	6,650.00	6,579.93	102.94	30.85	71.53	296.31	829.06	2,784.55	2,715.98	68.57	40.609		
10,300.00	6,861.21	6,650.00	6,579.93	105.66	30.85	71.53	296.31	829.06	2,880.50	2,811.95	68.55	42.018		
10,400.00	6,862.24	6,650.00	6,579.93	108.39	30.85	71.53	296.31	829.06	2,976.72	2,908.18	68.54	43.430		
10,500.00	6,863.27	6,650.00	6,579.93	111.12	30.85	71.53	296.31	829.06	3,073.18	3,004.65	68.53	44.845		
10,600.00	6,864.30	6,650.00	6,579.93	113.86	30.85	71.53	296.31	829.06	3,169.85	3,101.33	68.52	46.261		
10,700.00	6,865.34	6,650.00	6,579.93	116.60	30.85	71.53	296.31	829.06	3,266.73	3,198.22	68.52	47.678		
10,800.00	6,866.37	6,650.00	6,579.93	119.35	30.85	71.53	296.31	829.06	3,363.79	3,295.28	68.51	49.097		
10,900.00	6,867.40	6,650.00	6,579.93	122.11	30.85	71.53	296.31	829.06	3,461.02	3,392.51	68.51	50.516		
11,000.00	6,868.43	6,650.00	6,579.93	124.87	30.85	71.53	296.31	829.06	3,558.40	3,489.89	68.52	51.936		
11,100.00	6,869.46	6,629.44	6,559.53	127.63	30.77	70.18	295.23	831.40	3,655.54	3,587.13	68.41	53.437		
11,200.00	6,870.49	6,628.15	6,558.25	130.40	30.77	70.09	295.17	831.53	3,753.15	3,684.74	68.41	54.862		
11,300.00	6,871.52	6,626.93	6,557.03	133.17	30.76	70.01	295.10	831.64	3,850.87	3,782.46	68.42	56.286		
11,400.00	6,872.55	6,625.75	6,555.87	135.94	30.76	69.94	295.04	831.75	3,948.71	3,880.28	68.42	57.709		
11,500.00	6,873.58	6,624.63	6,554.75	138.72	30.75	69.86	294.98	831.85	4,046.65	3,978.21	68.43	59.132		
11,600.00	6,874.62	6,623.55	6,553.68	141.50	30.75	69.79	294.92	831.95	4,144.68	4,076.24	68.45	60.553		
11,700.00	6,875.65	6,622.52	6,552.65	144.28	30.75	69.73	294.87	832.04	4,242.81	4,174.35	68.46	61.973		
11,800.00	6,876.68	6,621.53	6,551.67	147.07	30.74	69.66	294.81	832.13	4,341.02	4,272.54	68.48	63.392		
11,900.00	6,877.71	6,600.00	6,530.22	149.85	30.66	68.28	293.65	833.61	4,439.69	4,371.29	68.40	64.910		
12,000.00	6,878.74	6,600.00	6,530.22	152.65	30.66	68.28	293.65	833.61	4,538.01	4,469.59	68.43	66.321		
12,100.00	6,879.77	6,600.00	6,530.22	155.44	30.66	68.28	293.65	833.61	4,636.41	4,567.96	68.45	67.731		
12,200.00	6,880.80	6,600.00	6,530.22	158.23	30.66	68.28	293.65	833.61	4,734.88	4,666.40	68.48	69.139		
12,300.00	6,881.83	6,600.00	6,530.22	161.03	30.66	68.28	293.65	833.61	4,833.41	4,764.89	68.52	70.545		
12,400.00	6,882.86	6,600.00	6,530.22	163.83	30.66	68.28	293.65	833.61	4,932.00	4,863.45	68.55	71.949		
12,500.00	6,883.89	6,600.00	6,530.22	166.63	30.66	68.28	293.65	833.61	5,030.64	4,962.06	68.58	73.350		
12,600.00	6,884.93	6,600.00	6,530.22	169.43	30.66	68.28	293.65	833.61	5,129.34	5,060.72	68.62	74.750		
12,700.00	6,885.96	6,600.00	6,530.22	172.24	30.66	68.28	293.65	833.61	5,228.09	5,159.43	68.66	76.147		
12,800.00	6,886.99	6,600.00	6,530.22	175.04	30.66	68.28	293.65	833.61	5,326.88	5,258.18	68.70	77.542		
12,900.00	6,888.02	6,600.00	6,530.22	177.85	30.66	68.28	293.65	833.61	5,425.72	5,356.98	68.74	78.935		
13,000.00	6,889.05	6,600.00	6,530.22	180.66	30.66	68.28	293.65	833.61	5,524.59	5,455.82	68.78	80.325		
13,100.00	6,890.08	6,600.00	6,530.22	183.47	30.66	68.28	293.65	833.61	5,623.51	5,554.69	68.82	81.712		
13,200.00	6,891.11	6,600.00	6,530.22	186.28	30.66	68.28	293.65	833.61	5,722.47	5,653.60	68.87	83.096		
13,300.00	6,892.14	6,600.00	6,530.22	189.10	30.66	68.28	293.65	833.61	5,821.46	5,752.55	68.91	84.478		
13,400.00	6,893.17	6,600.00	6,530.22	191.91	30.66	68.28	293.65	833.61	5,920.49	5,851.53	68.96	85.856		
13,500.00	6,894.21	6,600.00	6,530.22	194.73	30.66	68.28	293.65	833.61	6,019.55	5,950.54	69.01	87.232		
13,600.00	6,895.24	6,600.00	6,530.22	197.54	30.66	68.28	293.65	833.61	6,118.64	6,049.58	69.06	88.604		
13,700.00	6,896.27	6,600.00	6,530.22	200.36	30.66	68.28	293.65	833.61	6,217.75	6,148.65	69.11	89.974		
13,800.00	6,897.30	6,600.00	6,530.22	203.18	30.66	68.28	293.65	833.61	6,316.90	6,247.74	69.16	91.340		
13,900.00	6,898.33	6,600.00	6,530.22	206.00	30.66	68.28	293.65	833.61	6,416.07	6,346.86	69.21	92.703		
14,000.00	6,899.36	6,600.00	6,530.22	208.82	30.66	68.28	293.65	833.61	6,515.27	6,446.00	69.26	94.063		
14,100.00	6,900.39	6,600.00	6,530.22	211.64	30.66	68.28	293.65	833.61	6,614.49	6,545.17	69.32	95.420		
14,200.00	6,901.42	6,600.00	6,530.22	214.46	30.66	68.28	293.65	833.61	6,713.74	6,644.36	69.38	96.773		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,300.00	6,902.45	6,600.00	6,530.22	217.28	30.66	68.28	293.65	833.61	6,813.00	6,743.57	69.43	98.123		
14,400.00	6,903.48	6,600.00	6,530.22	220.11	30.66	68.28	293.65	833.61	6,912.29	6,842.80	69.49	99.469		
14,500.00	6,904.52	6,600.00	6,530.22	222.93	30.66	68.28	293.65	833.61	7,011.60	6,942.05	69.55	100.812		
14,600.00	6,905.55	6,600.00	6,530.22	225.76	30.66	68.28	293.65	833.61	7,110.93	7,041.31	69.61	102.151		
14,700.00	6,906.58	6,600.00	6,530.22	228.58	30.66	68.28	293.65	833.61	7,210.27	7,140.60	69.67	103.486		
14,800.00	6,907.61	6,600.00	6,530.22	231.41	30.66	68.28	293.65	833.61	7,309.64	7,239.90	69.74	104.818		
14,900.00	6,908.64	6,600.00	6,530.22	234.24	30.66	68.28	293.65	833.61	7,409.02	7,339.22	69.80	106.146		
15,000.00	6,909.67	6,600.00	6,530.22	237.06	30.66	68.28	293.65	833.61	7,508.42	7,438.55	69.86	107.471		
15,100.00	6,910.70	6,600.00	6,530.22	239.89	30.66	68.28	293.65	833.61	7,607.83	7,537.90	69.93	108.791		
15,200.00	6,911.73	6,600.00	6,530.22	242.72	30.66	68.28	293.65	833.61	7,707.26	7,637.26	70.00	110.108		
15,300.00	6,912.76	6,600.00	6,530.22	245.55	30.66	68.28	293.65	833.61	7,806.70	7,736.64	70.06	111.421		
15,400.00	6,913.80	6,600.00	6,530.22	248.38	30.66	68.28	293.65	833.61	7,906.16	7,836.02	70.13	112.730		
15,500.00	6,914.83	6,600.00	6,530.22	251.21	30.66	68.28	293.65	833.61	8,005.63	7,935.43	70.20	114.035		
15,600.00	6,915.86	6,600.00	6,530.22	254.04	30.66	68.28	293.65	833.61	8,105.11	8,034.84	70.27	115.336		
15,700.00	6,916.89	6,600.00	6,530.22	256.88	30.66	68.28	293.65	833.61	8,204.61	8,134.26	70.35	116.634		
15,800.00	6,917.92	6,600.00	6,530.22	259.71	30.66	68.28	293.65	833.61	8,304.12	8,233.70	70.42	117.927		
15,900.00	6,918.95	6,600.00	6,530.22	262.54	30.66	68.28	293.65	833.61	8,403.64	8,333.15	70.49	119.216		
16,000.00	6,919.98	6,600.00	6,530.22	265.37	30.66	68.28	293.65	833.61	8,503.17	8,432.60	70.57	120.501		
16,100.00	6,921.01	6,600.00	6,530.22	268.21	30.66	68.28	293.65	833.61	8,602.71	8,532.07	70.64	121.782		
16,200.00	6,922.04	6,600.00	6,530.22	271.04	30.66	68.28	293.65	833.61	8,702.26	8,631.55	70.72	123.059		
16,300.00	6,923.08	6,600.00	6,530.22	273.88	30.66	68.28	293.65	833.61	8,801.83	8,731.03	70.79	124.332		
16,400.00	6,924.11	6,600.00	6,530.22	276.71	30.66	68.28	293.65	833.61	8,901.40	8,830.53	70.87	125.600		
16,500.00	6,925.14	6,600.00	6,530.22	279.55	30.66	68.28	293.65	833.61	9,000.98	8,930.03	70.95	126.865		
16,600.00	6,926.17	6,600.00	6,530.22	282.38	30.66	68.28	293.65	833.61	9,100.57	9,029.54	71.03	128.125		
16,700.00	6,927.20	6,600.00	6,530.22	285.22	30.66	68.28	293.65	833.61	9,200.17	9,129.06	71.11	129.381		
16,800.00	6,928.23	6,600.00	6,530.22	288.05	30.66	68.28	293.65	833.61	9,299.78	9,228.59	71.19	130.632		
16,900.00	6,929.26	6,600.00	6,530.22	290.89	30.66	68.28	293.65	833.61	9,399.40	9,328.13	71.27	131.880		
17,000.00	6,930.29	6,600.00	6,530.22	293.73	30.66	68.28	293.65	833.61	9,499.02	9,427.67	71.36	133.123		
17,100.00	6,931.32	6,600.00	6,530.22	296.56	30.66	68.28	293.65	833.61	9,598.66	9,527.22	71.44	134.362		
17,200.00	6,932.35	6,600.00	6,530.22	299.40	30.66	68.28	293.65	833.61	9,698.30	9,626.77	71.52	135.596		
17,300.00	6,933.39	6,600.00	6,530.22	302.24	30.66	68.28	293.65	833.61	9,797.95	9,726.34	71.61	136.826		
17,400.00	6,934.42	6,600.00	6,530.22	305.08	30.66	68.28	293.65	833.61	9,897.60	9,825.91	71.69	138.052		
17,500.00	6,935.45	6,600.00	6,530.22	307.92	30.66	68.28	293.65	833.61	9,997.26	9,925.48	71.78	139.274		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-173.09	-59.74	-7.24	60.18					
100.00	100.00	100.00	100.00	3.28	3.28	-173.09	-59.74	-7.24	60.18	53.61	6.57	9.160		
200.00	200.00	200.00	200.00	3.34	3.34	-173.09	-59.74	-7.24	60.18	53.50	6.67	9.017		
300.00	300.00	301.47	301.44	3.44	3.45	-174.33	-58.63	-5.82	58.94	52.04	6.90	8.546		
400.00	399.98	402.73	402.56	3.60	3.61	-174.56	-55.32	-1.60	57.13	49.91	7.23	7.907		
450.18	450.11	453.42	453.08	3.70	3.71	-177.91	-52.83	1.58	56.86	49.44	7.43	7.657	CC, ES	
500.00	499.84	503.64	503.07	3.81	3.82	178.04	-49.82	5.41	57.18	49.54	7.64	7.482		
600.00	599.45	604.05	602.71	4.06	4.07	168.29	-42.19	15.14	60.16	52.03	8.13	7.400		
700.00	698.70	703.79	701.19	4.34	4.36	157.84	-32.47	27.53	67.14	58.46	8.68	7.733		
775.00	772.83	778.07	774.15	4.57	4.59	150.54	-23.87	38.50	75.35	66.21	9.14	8.243		
800.00	797.48	802.72	798.29	4.65	4.67	148.30	-20.76	42.47	78.57	69.27	9.30	8.448		
900.00	896.11	900.81	893.84	4.97	5.02	139.67	-7.10	59.88	92.61	82.64	9.97	9.291		
1,000.00	994.74	1,001.78	987.99	5.31	5.41	131.83	8.30	79.52	108.87	98.17	10.70	10.178		
1,100.00	1,093.37	1,104.19	1,082.16	5.68	5.83	125.77	24.13	99.69	126.84	115.37	11.47	11.061		
1,200.00	1,192.00	1,206.59	1,176.33	6.06	6.27	121.24	39.95	119.86	145.86	133.59	12.27	11.892		
1,300.00	1,290.63	1,308.99	1,270.51	6.45	6.73	117.76	55.77	140.04	165.55	152.47	13.09	12.652		
1,400.00	1,389.26	1,388.61	1,364.68	6.86	7.10	115.02	71.59	160.21	185.72	171.90	13.82	13.438		
1,500.00	1,487.88	1,486.21	1,458.85	7.27	7.56	112.82	87.41	180.38	206.21	191.56	14.65	14.075		
1,600.00	1,586.51	1,583.81	1,553.02	7.69	8.02	111.02	103.23	200.55	226.95	211.45	15.49	14.647		
1,700.00	1,685.14	1,681.41	1,647.19	8.11	8.50	109.52	119.05	220.73	247.86	231.51	16.35	15.161		
1,800.00	1,783.77	1,779.01	1,741.36	8.54	8.98	108.25	134.87	240.90	268.92	251.70	17.21	15.623		
1,900.00	1,882.40	1,876.60	1,835.53	8.97	9.46	107.16	150.70	261.07	290.08	271.99	18.09	16.039		
2,000.00	1,981.03	1,974.20	1,929.71	9.41	9.95	106.23	166.52	281.24	311.32	292.36	18.97	16.415		
2,100.00	2,079.66	2,071.80	2,023.88	9.84	10.44	105.41	182.34	301.41	332.64	312.78	19.85	16.755		
2,200.00	2,178.28	2,169.40	2,118.05	10.29	10.94	104.69	198.16	321.59	354.01	333.26	20.75	17.065		
2,300.00	2,276.91	2,267.00	2,212.22	10.73	11.44	104.05	213.98	341.76	375.43	353.79	21.64	17.347		
2,400.00	2,375.54	2,364.60	2,306.39	11.18	11.94	103.49	229.80	361.93	396.89	374.34	22.54	17.605		
2,500.00	2,474.17	2,462.20	2,400.56	11.62	12.44	102.98	245.62	382.10	418.38	394.93	23.45	17.841		
2,600.00	2,572.80	2,559.80	2,494.73	12.07	12.94	102.52	261.45	402.28	439.90	415.54	24.36	18.059		
2,700.00	2,671.43	2,657.39	2,588.91	12.52	13.45	102.10	277.27	422.45	461.45	436.18	25.27	18.259		
2,800.00	2,770.05	2,754.99	2,683.08	12.97	13.96	101.72	293.09	442.62	483.01	456.83	26.19	18.444		
2,900.00	2,868.68	2,852.59	2,777.25	13.43	14.47	101.37	308.91	462.79	504.60	477.49	27.11	18.616		
3,000.00	2,967.31	2,950.19	2,871.42	13.88	14.98	101.05	324.73	482.97	526.20	498.18	28.03	18.775		
3,100.00	3,065.94	3,047.79	2,965.59	14.34	15.49	100.76	340.55	503.14	547.82	518.87	28.95	18.924		
3,200.00	3,164.57	3,145.39	3,059.76	14.79	16.00	100.49	356.37	523.31	569.45	539.57	29.87	19.062		
3,300.00	3,263.20	3,242.99	3,153.94	15.25	16.51	100.24	372.20	543.48	591.09	560.29	30.80	19.192		
3,400.00	3,361.83	3,340.59	3,248.11	15.71	17.03	100.00	388.02	563.65	612.74	581.01	31.73	19.313		
3,500.00	3,460.45	3,438.18	3,342.28	16.17	17.54	99.78	403.84	583.83	634.40	601.74	32.66	19.427		
3,600.00	3,559.08	3,535.78	3,436.45	16.62	18.06	99.58	419.66	604.00	656.06	622.48	33.59	19.533		
3,700.00	3,657.71	3,633.38	3,530.62	17.08	18.57	99.39	435.48	624.17	677.74	643.22	34.52	19.634		
3,800.00	3,756.34	3,730.98	3,624.79	17.54	19.09	99.21	451.30	644.34	699.42	663.97	35.45	19.729		
3,900.00	3,854.97	3,828.58	3,718.96	18.00	19.61	99.04	467.12	664.52	721.11	684.72	36.39	19.819		
4,000.00	3,953.60	3,926.18	3,813.14	18.46	20.12	98.89	482.95	684.69	742.80	705.48	37.32	19.903		
4,100.00	4,052.23	4,023.78	3,907.31	18.92	20.64	98.74	498.77	704.86	764.50	726.24	38.26	19.984		
4,200.00	4,150.85	4,121.38	4,001.48	19.39	21.16	98.59	514.59	725.03	786.20	747.01	39.19	20.060		
4,300.00	4,249.48	4,218.97	4,095.65	19.85	21.68	98.46	530.41	745.21	807.91	767.78	40.13	20.132		
4,400.00	4,348.11	4,316.57	4,189.82	20.31	22.20	98.34	546.23	765.38	829.62	788.55	41.07	20.201		
4,500.00	4,446.74	4,420.77	4,290.40	20.77	22.75	98.21	563.03	786.79	851.24	809.17	42.08	20.231		
4,600.00	4,545.37	4,546.33	4,412.55	21.23	23.39	98.26	580.93	809.62	870.64	827.38	43.27	20.123		
4,700.00	4,644.00	4,673.20	4,537.15	21.70	23.99	98.55	595.66	828.39	886.90	842.49	44.40	19.974		
4,800.00	4,742.63	4,800.91	4,663.51	22.16	24.57	99.08	607.02	842.88	900.00	854.51	45.48	19.787		
4,900.00	4,841.25	4,928.94	4,790.89	22.62	25.10	99.84	614.92	852.95	909.99	863.49	46.50	19.570		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,939.88	5,056.79	4,918.53	23.09	25.60	100.84	619.29	858.53	916.96	869.51	47.45	19.324		
5,100.00	5,038.51	5,176.78	5,038.51	23.55	26.04	101.98	620.26	859.76	921.14	872.80	48.35	19.053		
5,200.00	5,137.14	5,275.41	5,137.14	24.02	26.40	102.97	620.26	859.76	924.76	875.55	49.21	18.794		
5,300.00	5,235.77	5,374.04	5,235.77	24.48	26.76	103.95	620.26	859.76	928.65	878.58	50.07	18.548		
5,400.00	5,334.40	5,472.67	5,334.40	24.94	27.13	104.92	620.26	859.76	932.81	881.89	50.93	18.316		
5,500.00	5,433.03	5,571.30	5,433.03	25.41	27.49	105.88	620.26	859.76	937.25	885.46	51.79	18.097		
5,600.00	5,531.65	5,669.93	5,531.65	25.87	27.86	106.83	620.26	859.76	941.96	889.31	52.65	17.890		
5,700.00	5,630.28	5,768.56	5,630.28	26.34	28.23	107.78	620.26	859.76	946.93	893.42	53.52	17.694		
5,800.00	5,728.91	5,867.18	5,728.91	26.80	28.60	108.71	620.26	859.76	952.16	897.78	54.38	17.509		
5,900.00	5,827.54	5,965.81	5,827.54	27.27	28.97	109.63	620.26	859.76	957.65	902.41	55.25	17.334		
6,000.00	5,926.17	6,064.44	5,926.17	27.73	29.35	110.55	620.26	859.76	963.39	907.28	56.11	17.170		
6,100.00	6,024.80	6,163.07	6,024.80	28.20	29.72	111.45	620.26	859.76	969.38	912.40	56.98	17.014		
6,200.00	6,123.43	6,261.70	6,123.43	28.66	30.10	112.34	580.82	-58.33	895.55	858.26	37.29	24.017		
6,272.77	6,195.20	7,733.57	6,947.04	29.00	41.62	-177.91	580.84	-57.88	835.17	795.19	39.98	20.888		
6,300.00	6,222.05	7,732.82	6,947.04	29.13	41.61	170.86	580.87	-57.12	813.10	772.03	41.07	19.797		
6,350.00	6,271.23	7,728.41	6,947.09	29.36	41.53	153.54	581.06	-52.72	773.49	730.33	43.16	17.922		
6,400.00	6,319.99	7,720.11	6,947.18	29.58	41.39	142.87	581.42	-44.43	735.41	690.06	45.34	16.218		
6,450.00	6,368.01	7,707.98	6,947.31	29.79	41.19	136.81	581.94	-32.30	699.21	651.59	47.61	14.686		
6,500.00	6,415.02	7,707.93	6,947.48	29.99	41.19	133.11	582.62	-16.42	665.23	615.11	50.12	13.273		
6,550.00	6,460.71	7,672.51	6,947.70	30.18	40.63	130.51	583.46	3.13	633.78	581.50	52.28	12.124		
6,600.00	6,504.81	7,649.39	6,947.94	30.36	40.27	128.38	584.45	26.22	605.11	550.53	54.58	11.086		
6,650.00	6,547.04	7,622.88	6,948.23	30.53	39.86	126.37	585.59	52.71	579.42	522.62	56.80	10.202		
6,700.00	6,587.14	7,606.88	6,948.55	30.69	39.61	124.35	586.87	82.44	556.79	497.76	59.03	9.432		
6,750.00	6,624.87	7,560.31	6,948.91	30.83	38.95	122.23	588.27	115.22	537.26	476.51	60.75	8.844		
6,800.00	6,660.00	7,524.64	6,949.29	30.96	38.45	120.03	589.80	150.85	520.73	458.35	62.39	8.347		
6,850.00	6,692.30	7,486.34	6,949.70	31.07	37.93	117.75	591.45	189.11	507.03	443.27	63.76	7.952		
6,900.00	6,721.58	7,438.42	6,949.90	31.23	37.33	114.98	593.50	236.99	495.81	430.99	64.82	7.649		
6,950.00	6,747.66	7,377.16	6,945.68	31.56	36.60	111.31	596.13	298.03	485.54	419.87	65.67	7.393		
7,000.00	6,770.37	7,320.45	6,936.56	31.92	35.97	107.80	598.53	353.92	476.02	409.52	66.50	7.158		
7,050.00	6,789.58	7,267.57	6,923.60	32.33	35.41	104.44	600.73	405.13	467.45	400.25	67.20	6.956		
7,100.00	6,805.17	7,217.89	6,907.59	32.78	34.93	101.20	602.75	452.10	460.01	392.28	67.73	6.792		
7,150.00	6,817.03	7,170.91	6,889.12	33.27	34.51	98.06	604.60	495.24	453.79	385.73	68.06	6.668		
7,200.00	6,825.11	7,126.22	6,868.64	33.80	34.14	95.01	606.30	534.92	448.87	380.68	68.18	6.583		
7,250.00	6,829.35	7,083.46	6,846.48	34.37	33.82	92.05	607.87	571.45	445.25	377.12	68.12	6.536		
7,273.12	6,830.00	7,064.27	6,835.75	34.65	33.68	90.71	608.56	587.35	444.00	375.96	68.04	6.526		
7,300.00	6,830.28	7,042.69	6,823.11	34.98	33.53	89.06	609.31	604.82	442.99	375.10	67.90	6.524 SF		
7,329.13	6,830.58	7,020.51	6,809.52	35.37	33.38	87.27	610.06	622.33	442.60	374.89	67.71	6.536		
7,400.00	6,831.31	6,971.44	6,777.32	36.32	33.08	83.06	611.65	659.31	445.23	378.27	66.96	6.649		
7,500.00	6,832.34	6,912.74	6,735.21	37.83	32.75	77.65	613.40	700.13	459.17	393.70	65.47	7.014		
7,600.00	6,833.37	6,864.33	6,697.77	39.49	32.51	72.99	614.72	730.77	486.25	422.46	63.79	7.623		
7,700.00	6,834.40	6,824.15	6,664.99	41.27	32.31	69.09	615.71	753.98	526.08	463.79	62.29	8.445		
7,800.00	6,835.44	6,790.52	6,636.48	43.17	32.16	65.85	616.48	771.79	577.13	515.93	61.19	9.431		
7,900.00	6,836.47	6,762.10	6,611.68	45.17	32.04	63.15	617.07	785.64	637.41	576.91	60.50	10.535		
8,000.00	6,837.50	6,737.87	6,590.06	47.26	31.93	60.90	617.54	796.58	705.05	644.91	60.14	11.724		
8,100.00	6,838.53	6,717.01	6,571.13	49.43	31.85	59.00	617.92	805.32	778.45	718.45	60.00	12.974		
8,200.00	6,839.56	6,700.00	6,555.48	51.66	31.78	57.49	618.21	811.99	856.35	796.31	60.04	14.263		
8,300.00	6,840.59	6,683.08	6,539.74	53.95	31.71	56.02	618.47	818.21	937.78	877.70	60.08	15.608		
8,400.00	6,841.62	6,669.12	6,526.65	56.29	31.65	54.83	618.68	823.03	1,022.01	961.80	60.21	16.975		
8,500.00	6,842.65	6,650.00	6,508.54	58.67	31.58	53.25	618.94	829.15	1,108.53	1,048.33	60.19	18.416		
8,600.00	6,843.68	6,650.00	6,508.54	61.10	31.58	53.25	618.94	829.15	1,196.77	1,136.17	60.60	19.750		
8,700.00	6,844.71	6,650.00	6,508.54	63.56	31.58	53.25	618.94	829.15	1,286.73	1,225.80	60.93	21.119		
8,800.00	6,845.75	6,626.86	6,486.38	66.05	31.49	51.39	619.23	835.84	1,377.48	1,316.69	60.80	22.657		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,846.78	6,618.76	6,478.58	68.58	31.46	50.76	619.32	837.99	1,469.48	1,408.55	60.94	24.115		
9,000.00	6,847.81	6,600.00	6,460.39	71.12	31.38	49.34	619.52	842.58	1,562.48	1,501.59	60.89	25.661		
9,100.00	6,848.84	6,600.00	6,460.39	73.69	31.38	49.34	619.52	842.58	1,655.96	1,594.84	61.12	27.092		
9,200.00	6,849.87	6,600.00	6,460.39	76.28	31.38	49.34	619.52	842.58	1,750.15	1,688.83	61.33	28.539		
9,300.00	6,850.90	6,600.00	6,460.39	78.89	31.38	49.34	619.52	842.58	1,844.96	1,783.46	61.50	29.998		
9,400.00	6,851.93	6,600.00	6,460.39	81.51	31.38	49.34	619.52	842.58	1,940.29	1,878.63	61.66	31.467		
9,500.00	6,852.96	6,600.00	6,460.39	84.15	31.38	49.34	619.52	842.58	2,036.06	1,974.26	61.80	32.944		
9,600.00	6,853.99	6,578.17	6,439.07	86.80	31.30	47.74	619.72	847.25	2,131.75	2,070.04	61.70	34.548		
9,700.00	6,855.03	6,573.98	6,434.95	89.46	31.29	47.44	619.76	848.06	2,228.05	2,166.26	61.79	36.058		
9,800.00	6,856.06	6,570.06	6,431.11	92.14	31.27	47.16	619.79	848.80	2,324.64	2,262.76	61.88	37.569		
9,900.00	6,857.09	6,550.00	6,411.34	94.83	31.20	45.78	619.93	852.19	2,421.74	2,359.93	61.81	39.183		
10,000.00	6,858.12	6,550.00	6,411.34	97.52	31.20	45.78	619.93	852.19	2,518.70	2,456.78	61.92	40.676		
10,100.00	6,859.15	6,550.00	6,411.34	100.23	31.20	45.78	619.93	852.19	2,615.88	2,553.85	62.03	42.172		
10,200.00	6,860.18	6,550.00	6,411.34	102.94	31.20	45.78	619.93	852.19	2,713.28	2,651.15	62.13	43.671		
10,300.00	6,861.21	6,550.00	6,411.34	105.66	31.20	45.78	619.93	852.19	2,810.85	2,748.62	62.23	45.172		
10,400.00	6,862.24	6,550.00	6,411.34	108.39	31.20	45.78	619.93	852.19	2,908.59	2,846.27	62.32	46.674		
10,500.00	6,863.27	6,550.00	6,411.34	111.12	31.20	45.78	619.93	852.19	3,006.48	2,944.07	62.41	48.177		
10,600.00	6,864.30	6,550.00	6,411.34	113.86	31.20	45.78	619.93	852.19	3,104.50	3,042.01	62.49	49.680		
10,700.00	6,865.34	6,550.00	6,411.34	116.60	31.20	45.78	619.93	852.19	3,202.65	3,140.08	62.57	51.184		
10,800.00	6,866.37	6,550.00	6,411.34	119.35	31.20	45.78	619.93	852.19	3,300.90	3,238.25	62.65	52.687		
10,900.00	6,867.40	6,550.00	6,411.34	122.11	31.20	45.78	619.93	852.19	3,399.26	3,336.53	62.73	54.190		
11,000.00	6,868.43	6,550.00	6,411.34	124.87	31.20	45.78	619.93	852.19	3,497.71	3,434.91	62.80	55.693		
11,100.00	6,869.46	6,550.00	6,411.34	127.63	31.20	45.78	619.93	852.19	3,596.25	3,533.37	62.88	57.194		
11,200.00	6,870.49	6,550.00	6,411.34	130.40	31.20	45.78	619.93	852.19	3,694.87	3,631.92	62.95	58.694		
11,300.00	6,871.52	6,550.00	6,411.34	133.17	31.20	45.78	619.93	852.19	3,793.55	3,730.53	63.02	60.193		
11,400.00	6,872.55	6,550.00	6,411.34	135.94	31.20	45.78	619.93	852.19	3,892.31	3,829.21	63.10	61.690		
11,500.00	6,873.58	6,529.11	6,390.65	138.72	31.12	44.39	620.06	855.06	3,990.73	3,927.68	63.05	63.299		
11,600.00	6,874.62	6,527.61	6,389.16	141.50	31.11	44.30	620.06	855.24	4,089.55	4,026.44	63.11	64.800		
11,700.00	6,875.65	6,526.18	6,387.74	144.28	31.11	44.21	620.07	855.41	4,188.42	4,125.24	63.17	66.299		
11,800.00	6,876.68	6,524.80	6,386.37	147.07	31.10	44.12	620.08	855.57	4,287.34	4,224.10	63.24	67.796		
11,900.00	6,877.71	6,523.48	6,385.05	149.85	31.10	44.03	620.09	855.72	4,386.30	4,323.00	63.30	69.289		
12,000.00	6,878.74	6,522.21	6,383.79	152.65	31.09	43.95	620.09	855.86	4,485.31	4,421.94	63.37	70.780		
12,100.00	6,879.77	6,500.00	6,361.68	155.44	31.01	42.57	620.18	857.93	4,584.75	4,521.42	63.33	72.399		
12,200.00	6,880.80	6,500.00	6,361.68	158.23	31.01	42.57	620.18	857.93	4,683.79	4,620.39	63.40	73.877		
12,300.00	6,881.83	6,500.00	6,361.68	161.03	31.01	42.57	620.18	857.93	4,782.87	4,719.40	63.47	75.352		
12,400.00	6,882.86	6,500.00	6,361.68	163.83	31.01	42.57	620.18	857.93	4,881.99	4,818.44	63.55	76.824		
12,500.00	6,883.89	6,500.00	6,361.68	166.63	31.01	42.57	620.18	857.93	4,981.14	4,917.52	63.62	78.293		
12,600.00	6,884.93	6,500.00	6,361.68	169.43	31.01	42.57	620.18	857.93	5,080.33	5,016.64	63.70	79.759		
12,700.00	6,885.96	6,500.00	6,361.68	172.24	31.01	42.57	620.18	857.93	5,179.55	5,115.78	63.77	81.222		
12,800.00	6,886.99	6,500.00	6,361.68	175.04	31.01	42.57	620.18	857.93	5,278.80	5,214.95	63.84	82.682		
12,900.00	6,888.02	6,500.00	6,361.68	177.85	31.01	42.57	620.18	857.93	5,378.07	5,314.15	63.92	84.138		
13,000.00	6,889.05	6,500.00	6,361.68	180.66	31.01	42.57	620.18	857.93	5,477.38	5,413.38	63.99	85.591		
13,100.00	6,890.08	6,500.00	6,361.68	183.47	31.01	42.57	620.18	857.93	5,576.70	5,512.63	64.07	87.040		
13,200.00	6,891.11	6,500.00	6,361.68	186.28	31.01	42.57	620.18	857.93	5,676.06	5,611.91	64.15	88.486		
13,300.00	6,892.14	6,500.00	6,361.68	189.10	31.01	42.57	620.18	857.93	5,775.43	5,711.21	64.22	89.928		
13,400.00	6,893.17	6,500.00	6,361.68	191.91	31.01	42.57	620.18	857.93	5,874.82	5,810.52	64.30	91.366		
13,500.00	6,894.21	6,500.00	6,361.68	194.73	31.01	42.57	620.18	857.93	5,974.24	5,909.86	64.38	92.801		
13,600.00	6,895.24	6,500.00	6,361.68	197.54	31.01	42.57	620.18	857.93	6,073.67	6,009.22	64.45	94.231		
13,700.00	6,896.27	6,500.00	6,361.68	200.36	31.01	42.57	620.18	857.93	6,173.12	6,108.59	64.53	95.658		
13,800.00	6,897.30	6,500.00	6,361.68	203.18	31.01	42.57	620.18	857.93	6,272.59	6,207.98	64.61	97.081		
13,900.00	6,898.33	6,500.00	6,361.68	206.00	31.01	42.57	620.18	857.93	6,372.08	6,307.39	64.69	98.500		
14,000.00	6,899.36	6,500.00	6,361.68	208.82	31.01	42.57	620.18	857.93	6,471.58	6,406.81	64.77	99.914		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,900.39	6,500.00	6,361.68	211.64	31.01	42.57	620.18	857.93	6,571.10	6,506.25	64.85	101.324		
14,200.00	6,901.42	6,500.00	6,361.68	214.46	31.01	42.57	620.18	857.93	6,670.63	6,605.70	64.93	102.731		
14,300.00	6,902.45	6,500.00	6,361.68	217.28	31.01	42.57	620.18	857.93	6,770.18	6,705.16	65.02	104.132		
14,400.00	6,903.48	6,500.00	6,361.68	220.11	31.01	42.57	620.18	857.93	6,869.74	6,804.64	65.10	105.530		
14,500.00	6,904.52	6,500.00	6,361.68	222.93	31.01	42.57	620.18	857.93	6,969.31	6,904.13	65.18	106.923		
14,600.00	6,905.55	6,500.00	6,361.68	225.76	31.01	42.57	620.18	857.93	7,068.89	7,003.63	65.26	108.312		
14,700.00	6,906.58	6,500.00	6,361.68	228.58	31.01	42.57	620.18	857.93	7,168.49	7,103.14	65.35	109.697		
14,800.00	6,907.61	6,500.00	6,361.68	231.41	31.01	42.57	620.18	857.93	7,268.09	7,202.66	65.43	111.076		
14,900.00	6,908.64	6,500.00	6,361.68	234.24	31.01	42.57	620.18	857.93	7,367.71	7,302.19	65.52	112.452		
15,000.00	6,909.67	6,500.00	6,361.68	237.06	31.01	42.57	620.18	857.93	7,467.34	7,401.73	65.60	113.823		
15,100.00	6,910.70	6,500.00	6,361.68	239.89	31.01	42.57	620.18	857.93	7,566.97	7,501.28	65.69	115.189		
15,200.00	6,911.73	6,500.00	6,361.68	242.72	31.01	42.57	620.18	857.93	7,666.62	7,600.84	65.78	116.551		
15,300.00	6,912.76	6,500.00	6,361.68	245.55	31.01	42.57	620.18	857.93	7,766.27	7,700.41	65.87	117.908		
15,400.00	6,913.80	6,500.00	6,361.68	248.38	31.01	42.57	620.18	857.93	7,865.94	7,799.98	65.96	119.260		
15,500.00	6,914.83	6,500.00	6,361.68	251.21	31.01	42.57	620.18	857.93	7,965.61	7,899.57	66.05	120.608		
15,600.00	6,915.86	6,500.00	6,361.68	254.04	31.01	42.57	620.18	857.93	8,065.29	7,999.16	66.14	121.951		
15,700.00	6,916.89	6,500.00	6,361.68	256.88	31.01	42.57	620.18	857.93	8,164.98	8,098.75	66.23	123.289		
15,800.00	6,917.92	6,500.00	6,361.68	259.71	31.01	42.57	620.18	857.93	8,264.68	8,198.36	66.32	124.622		
15,900.00	6,918.95	6,500.00	6,361.68	262.54	31.01	42.57	620.18	857.93	8,364.38	8,297.97	66.41	125.951		
16,000.00	6,919.98	6,500.00	6,361.68	265.37	31.01	42.57	620.18	857.93	8,464.09	8,397.59	66.50	127.274		
16,100.00	6,921.01	6,500.00	6,361.68	268.21	31.01	42.57	620.18	857.93	8,563.81	8,497.21	66.60	128.593		
16,200.00	6,922.04	6,500.00	6,361.68	271.04	31.01	42.57	620.18	857.93	8,663.53	8,596.84	66.69	129.907		
16,300.00	6,923.08	6,500.00	6,361.68	273.88	31.01	42.57	620.18	857.93	8,763.26	8,696.48	66.79	131.216		
16,400.00	6,924.11	6,500.00	6,361.68	276.71	31.01	42.57	620.18	857.93	8,863.00	8,796.12	66.88	132.520		
16,500.00	6,925.14	6,500.00	6,361.68	279.55	31.01	42.57	620.18	857.93	8,962.74	8,895.76	66.98	133.819		
16,600.00	6,926.17	6,500.00	6,361.68	282.38	31.01	42.57	620.18	857.93	9,062.49	8,995.41	67.07	135.113		
16,700.00	6,927.20	6,500.00	6,361.68	285.22	31.01	42.57	620.18	857.93	9,162.24	9,095.07	67.17	136.403		
16,800.00	6,928.23	6,500.00	6,361.68	288.05	31.01	42.57	620.18	857.93	9,262.00	9,194.73	67.27	137.687		
16,900.00	6,929.26	6,500.00	6,361.68	290.89	31.01	42.57	620.18	857.93	9,361.76	9,294.39	67.37	138.966		
17,000.00	6,930.29	6,500.00	6,361.68	293.73	31.01	42.57	620.18	857.93	9,461.53	9,394.06	67.47	140.240		
17,100.00	6,931.32	6,500.00	6,361.68	296.56	31.01	42.57	620.18	857.93	9,561.30	9,493.74	67.57	141.510		
17,200.00	6,932.35	6,500.00	6,361.68	299.40	31.01	42.57	620.18	857.93	9,661.08	9,593.41	67.67	142.774		
17,300.00	6,933.39	6,500.00	6,361.68	302.24	31.01	42.57	620.18	857.93	9,760.86	9,693.10	67.77	144.033		
17,400.00	6,934.42	6,500.00	6,361.68	305.08	31.01	42.57	620.18	857.93	9,860.65	9,792.78	67.87	145.287		
17,500.00	6,935.45	6,500.00	6,361.68	307.92	31.01	42.57	620.18	857.93	9,960.44	9,892.47	67.97	146.536		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-173.85	-134.42	-14.48	135.20					
100.00	100.00	100.00	100.00	3.28	3.28	-173.85	-134.42	-14.48	135.20	128.63	6.57	20.580		
200.00	200.00	200.00	200.00	3.34	3.34	-173.85	-134.42	-14.48	135.20	128.53	6.67	20.258		
300.00	300.00	300.00	300.00	3.44	3.44	-173.85	-134.42	-14.48	135.20	128.31	6.89	19.623 CC, ES		
400.00	399.98	398.51	398.49	3.60	3.60	-170.69	-135.10	-12.92	137.45	130.25	7.20	19.088		
500.00	499.84	496.51	496.36	3.81	3.79	-172.90	-137.13	-8.30	144.34	136.74	7.60	18.991 SF		
600.00	599.45	593.49	592.98	4.06	4.01	-176.14	-140.45	-0.72	156.24	148.16	8.08	19.334		
700.00	698.70	688.97	687.78	4.34	4.27	-179.88	-145.00	9.68	173.55	164.92	8.63	20.114		
775.00	772.83	759.33	757.36	4.57	4.48	177.25	-149.16	19.18	190.26	181.18	9.07	20.965		
800.00	797.48	782.53	780.25	4.65	4.56	176.32	-150.69	22.66	196.44	187.22	9.23	21.284		
900.00	896.11	874.38	870.54	4.97	4.87	172.72	-157.45	38.09	222.76	212.91	9.85	22.610		
1,000.00	994.74	964.58	958.64	5.31	5.20	169.36	-165.21	55.82	251.66	241.16	10.50	23.968		
1,100.00	1,093.37	1,053.00	1,044.36	5.68	5.55	166.27	-173.90	75.65	283.22	272.05	11.17	25.359		
1,200.00	1,192.00	1,141.80	1,129.78	6.06	5.94	163.40	-183.62	97.85	317.34	305.49	11.85	26.771		
1,300.00	1,290.63	1,234.37	1,218.68	6.45	6.36	160.90	-193.98	121.52	352.55	339.97	12.58	28.029		
1,400.00	1,389.26	1,326.94	1,307.57	6.86	6.80	158.85	-204.35	145.19	388.25	374.93	13.32	29.144		
1,500.00	1,487.88	1,419.51	1,396.46	7.27	7.25	157.14	-214.72	168.86	424.32	410.23	14.08	30.131		
1,600.00	1,586.51	1,512.09	1,485.35	7.69	7.72	155.70	-225.08	192.54	460.66	445.81	14.86	31.004		
1,700.00	1,685.14	1,604.66	1,574.24	8.11	8.19	154.46	-235.45	216.21	497.23	481.58	15.65	31.780		
1,800.00	1,783.77	1,702.77	1,663.14	8.54	8.70	153.40	-245.82	239.88	533.97	517.50	16.47	32.418		
1,900.00	1,882.40	1,789.80	1,752.03	8.97	9.17	152.47	-256.19	263.55	570.86	553.60	17.26	33.083		
2,000.00	1,981.03	1,882.38	1,840.92	9.41	9.66	151.65	-266.55	287.22	607.85	589.78	18.07	33.633		
2,100.00	2,079.66	1,974.95	1,929.81	9.84	10.16	150.92	-276.92	310.89	644.95	626.05	18.90	34.127		
2,200.00	2,178.28	2,067.52	2,018.71	10.29	10.67	150.28	-287.29	334.56	682.12	662.39	19.73	34.572		
2,300.00	2,276.91	2,160.09	2,107.60	10.73	11.17	149.70	-297.65	358.23	719.36	698.79	20.57	34.975		
2,400.00	2,375.54	2,252.66	2,196.49	11.18	11.69	149.17	-308.02	381.90	756.66	735.25	21.41	35.340		
2,500.00	2,474.17	2,345.24	2,285.38	11.62	12.20	148.70	-318.39	405.58	794.01	771.75	22.26	35.672		
2,600.00	2,572.80	2,437.81	2,374.28	12.07	12.72	148.27	-328.75	429.25	831.40	808.29	23.11	35.975		
2,700.00	2,671.43	2,530.38	2,463.17	12.52	13.23	147.87	-339.12	452.92	868.82	844.86	23.97	36.253		
2,800.00	2,770.05	2,622.95	2,552.06	12.97	13.76	147.51	-349.49	476.59	906.28	881.46	24.82	36.508		
2,900.00	2,868.68	2,715.53	2,640.95	13.43	14.28	147.18	-359.85	500.26	943.77	918.09	25.69	36.743		
3,000.00	2,967.31	2,808.10	2,729.85	13.88	14.80	146.87	-370.22	523.93	981.29	954.74	26.55	36.959		
3,100.00	3,065.94	2,900.67	2,818.74	14.34	15.33	146.59	-380.59	547.60	1,018.82	991.40	27.42	37.160		
3,200.00	3,164.57	2,993.24	2,907.63	14.79	15.85	146.32	-390.96	571.27	1,056.38	1,028.09	28.29	37.345		
3,300.00	3,263.20	3,085.82	2,996.52	15.25	16.38	146.07	-401.32	594.95	1,093.95	1,064.80	29.16	37.518		
3,400.00	3,361.83	3,178.39	3,085.41	15.71	16.91	145.84	-411.69	618.62	1,131.55	1,101.51	30.03	37.679		
3,500.00	3,460.45	3,270.96	3,174.31	16.17	17.44	145.63	-422.06	642.29	1,169.15	1,138.25	30.91	37.829		
3,600.00	3,559.08	3,401.96	3,300.61	16.62	18.17	145.39	-436.00	674.12	1,205.73	1,173.57	32.15	37.500		
3,700.00	3,657.71	3,553.21	3,448.19	17.08	18.94	145.31	-449.25	704.38	1,238.21	1,204.70	33.51	36.948		
3,800.00	3,756.34	3,709.04	3,601.83	17.54	19.68	145.42	-459.62	728.05	1,266.20	1,231.39	34.81	36.372		
3,900.00	3,854.97	3,868.68	3,760.46	18.00	20.36	145.71	-466.75	744.33	1,289.53	1,253.50	36.03	35.790		
4,000.00	3,953.60	4,031.27	3,922.78	18.46	20.99	146.19	-470.36	752.57	1,308.07	1,270.92	37.15	35.208		
4,100.00	4,052.23	4,160.72	4,052.23	18.92	21.44	146.69	-470.77	753.52	1,322.44	1,284.36	38.08	34.730		
4,200.00	4,150.85	4,259.35	4,150.85	19.39	21.78	147.08	-470.77	753.52	1,336.32	1,297.41	38.90	34.350		
4,300.00	4,249.48	4,357.98	4,249.48	19.85	22.12	147.46	-470.77	753.52	1,350.26	1,310.53	39.73	33.985		
4,400.00	4,348.11	4,456.61	4,348.11	20.31	22.47	147.83	-470.77	753.52	1,364.25	1,323.69	40.56	33.635		
4,500.00	4,446.74	4,555.24	4,446.74	20.77	22.82	148.19	-470.77	753.52	1,378.30	1,336.91	41.39	33.298		
4,600.00	4,545.37	4,653.87	4,545.37	21.23	23.17	148.55	-470.77	753.52	1,392.41	1,350.18	42.23	32.974		
4,700.00	4,644.00	4,752.50	4,644.00	21.70	23.52	148.90	-470.77	753.52	1,406.57	1,363.51	43.06	32.662		
4,800.00	4,742.63	4,851.12	4,742.63	22.16	23.88	149.24	-470.77	753.52	1,420.78	1,376.88	43.90	32.362		
4,900.00	4,841.25	4,949.75	4,841.25	22.62	24.23	149.58	-470.77	753.52	1,435.04	1,390.29	44.74	32.072		
5,000.00	4,939.88	5,048.38	4,939.88	23.09	24.60	149.91	-470.77	753.52	1,449.34	1,403.76	45.59	31.794		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,147.01	5,038.51	23.55	24.96	150.23	-470.77	753.52	1,463.69	1,417.27	46.43	31.525		
5,200.00	5,137.14	5,245.64	5,137.14	24.02	25.32	150.55	-470.77	753.52	1,478.09	1,430.82	47.28	31.266		
5,300.00	5,235.77	5,344.27	5,235.77	24.48	25.69	150.86	-470.77	753.52	1,492.53	1,444.41	48.12	31.015		
5,400.00	5,334.40	5,442.90	5,334.40	24.94	26.06	151.16	-470.77	753.52	1,507.02	1,458.05	48.97	30.774		
5,500.00	5,433.03	5,541.52	5,433.03	25.41	26.43	151.46	-470.77	753.52	1,521.54	1,471.72	49.82	30.541		
5,600.00	5,531.65	5,640.15	5,531.65	25.87	26.81	151.75	-470.77	753.52	1,536.10	1,485.43	50.67	30.315		
5,700.00	5,630.28	5,738.78	5,630.28	26.34	27.18	152.04	-470.77	753.52	1,550.71	1,499.18	51.52	30.097		
5,800.00	5,728.91	5,837.41	5,728.91	26.80	27.56	152.32	-470.77	753.52	1,565.35	1,512.97	52.38	29.886		
5,900.00	5,827.54	5,936.04	5,827.54	27.27	27.94	152.60	-470.77	753.52	1,580.03	1,526.79	53.23	29.682		
6,000.00	5,926.17	6,034.67	5,926.17	27.73	28.32	152.87	-470.77	753.52	1,594.74	1,540.65	54.09	29.485		
6,100.00	6,024.80	6,133.30	6,024.80	28.20	28.70	153.14	-470.77	753.52	1,609.49	1,554.54	54.94	29.294		
6,200.00	6,123.43	6,231.92	6,123.43	28.66	29.08	153.40	-470.77	753.52	1,624.27	1,568.47	55.80	29.108		
6,272.77	6,195.20	6,303.70	6,195.20	29.00	29.36	153.59	-470.77	753.52	1,635.05	1,578.62	56.43	28.977		
6,300.00	6,222.05	6,330.55	6,222.05	29.13	29.46	138.84	-470.77	753.52	1,638.79	1,582.14	56.66	28.924		
6,350.00	6,271.23	6,379.73	6,271.23	29.36	29.66	116.05	-470.77	753.52	1,644.17	1,587.08	57.09	28.800		
6,400.00	6,319.99	6,428.49	6,319.99	29.58	29.85	101.18	-470.77	753.52	1,647.60	1,590.08	57.52	28.644		
6,450.00	6,368.01	6,476.51	6,368.01	29.79	30.04	92.16	-470.77	753.52	1,649.14	1,591.20	57.94	28.461		
6,500.00	6,415.02	6,523.52	6,415.02	29.99	30.22	86.67	-470.77	753.52	1,648.86	1,590.49	58.36	28.251		
6,550.00	6,460.71	7,728.52	7,166.86	30.18	38.99	117.68	-494.21	28.72	1,643.06	1,579.84	63.22	25.989		
6,600.00	6,504.81	7,705.32	7,167.19	30.36	38.65	115.11	-493.46	51.91	1,630.84	1,567.08	63.76	25.577		
6,650.00	6,547.04	7,678.71	7,167.58	30.53	38.28	113.09	-492.60	78.50	1,620.09	1,555.87	64.22	25.228		
6,700.00	6,587.14	7,646.12	7,168.04	30.69	37.85	111.34	-491.54	111.07	1,610.74	1,546.19	64.54	24.956		
6,750.00	6,624.87	7,431.01	7,134.09	30.83	35.30	104.30	-484.71	322.34	1,600.76	1,538.00	62.75	25.509		
6,800.00	6,660.00	7,333.87	7,095.90	30.96	34.37	100.92	-481.83	411.50	1,590.37	1,527.67	62.71	25.361		
6,850.00	6,692.30	7,271.88	7,064.60	31.07	33.85	98.84	-480.10	464.96	1,580.54	1,517.57	62.98	25.097		
6,900.00	6,721.58	7,224.51	7,037.26	31.23	33.49	97.35	-478.85	503.61	1,571.48	1,508.15	63.33	24.816		
6,950.00	6,747.66	7,184.56	7,012.02	31.56	33.21	96.17	-477.85	534.55	1,563.24	1,499.54	63.70	24.542		
7,000.00	6,770.37	7,148.88	6,987.88	31.92	32.98	95.18	-477.00	560.80	1,555.83	1,491.76	64.07	24.282		
7,050.00	6,789.58	7,115.89	6,964.28	32.33	32.78	94.30	-476.26	583.84	1,549.25	1,484.79	64.46	24.033		
7,100.00	6,805.17	7,084.68	6,940.88	32.78	32.60	93.50	-475.59	604.47	1,543.47	1,478.61	64.86	23.797		
7,150.00	6,817.03	7,054.75	6,917.52	33.27	32.43	92.75	-474.99	623.17	1,538.46	1,473.19	65.27	23.571		
7,200.00	6,825.11	7,025.73	6,894.05	33.80	32.29	92.04	-474.44	640.23	1,534.16	1,468.46	65.70	23.352		
7,250.00	6,829.35	6,997.41	6,870.42	34.37	32.14	91.37	-473.93	655.83	1,530.54	1,464.40	66.14	23.141		
7,273.12	6,830.00	6,984.50	6,859.42	34.65	32.08	91.07	-473.71	662.59	1,529.08	1,462.73	66.35	23.046		
7,300.00	6,830.28	6,970.13	6,847.03	34.98	32.01	90.60	-473.48	669.85	1,527.63	1,461.03	66.60	22.937		
7,391.55	6,831.22	6,928.66	6,810.36	36.21	31.82	89.22	-472.85	689.21	1,525.42	1,457.85	67.57	22.575		
7,400.00	6,831.31	6,925.33	6,807.37	36.32	31.81	89.10	-472.81	690.66	1,525.44	1,457.78	67.66	22.546		
7,500.00	6,832.34	6,890.87	6,775.92	37.83	31.66	87.92	-472.35	704.74	1,528.69	1,459.83	68.86	22.200		
7,600.00	6,833.37	6,863.69	6,750.61	39.49	31.54	86.96	-472.03	714.63	1,537.71	1,467.55	70.15	21.920		
7,700.00	6,834.40	6,841.78	6,729.91	41.27	31.45	86.19	-471.80	721.82	1,552.59	1,481.10	71.49	21.718		
7,800.00	6,835.44	6,823.77	6,712.73	43.17	31.38	85.54	-471.62	727.18	1,573.32	1,500.49	72.82	21.604		
7,900.00	6,836.47	6,808.75	6,698.28	45.17	31.32	85.00	-471.49	731.29	1,599.75	1,525.63	74.12	21.582		
8,000.00	6,837.50	6,800.00	6,689.82	47.26	31.29	84.68	-471.42	733.52	1,631.69	1,556.29	75.40	21.641		
8,100.00	6,838.53	6,785.12	6,675.37	49.43	31.23	84.14	-471.31	737.05	1,668.84	1,592.32	76.52	21.810		
8,200.00	6,839.56	6,775.68	6,666.16	51.66	31.19	83.80	-471.24	739.12	1,710.91	1,633.33	77.58	22.055		
8,300.00	6,840.59	6,767.43	6,658.08	53.95	31.16	83.50	-471.18	740.81	1,757.57	1,679.03	78.54	22.379		
8,400.00	6,841.62	6,750.00	6,640.95	56.29	31.09	82.86	-471.08	744.04	1,808.55	1,729.26	79.29	22.808		
8,500.00	6,842.65	6,750.00	6,640.95	58.67	31.09	82.86	-471.08	744.04	1,863.31	1,783.19	80.12	23.257		
8,600.00	6,843.68	6,750.00	6,640.95	61.10	31.09	82.86	-471.08	744.04	1,921.72	1,840.88	80.84	23.771		
8,700.00	6,844.71	6,750.00	6,640.95	63.56	31.09	82.86	-471.08	744.04	1,983.45	1,901.98	81.47	24.344		
8,800.00	6,845.75	6,750.00	6,640.95	66.05	31.09	82.86	-471.08	744.04	2,048.21	1,966.19	82.02	24.972		
8,900.00	6,846.78	6,733.83	6,624.99	68.58	31.03	82.27	-471.00	746.62	2,115.50	2,033.15	82.35	25.688		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,847.81	6,729.95	6,621.15	71.12	31.02	82.13	-470.98	747.18	2,185.38	2,102.65	82.73	26.416		
9,100.00	6,848.84	6,726.40	6,617.64	73.69	31.00	82.00	-470.96	747.67	2,257.50	2,174.45	83.05	27.183		
9,200.00	6,849.87	6,723.14	6,614.41	76.28	30.99	81.88	-470.95	748.10	2,331.67	2,248.34	83.32	27.983		
9,300.00	6,850.90	6,720.14	6,611.43	78.89	30.98	81.77	-470.94	748.48	2,407.68	2,324.13	83.56	28.815		
9,400.00	6,851.93	6,700.00	6,591.41	81.51	30.90	81.03	-470.86	750.70	2,485.64	2,402.03	83.61	29.729		
9,500.00	6,852.96	6,700.00	6,591.41	84.15	30.90	81.03	-470.86	750.70	2,564.81	2,481.01	83.80	30.607		
9,600.00	6,853.99	6,700.00	6,591.41	86.80	30.90	81.03	-470.86	750.70	2,645.39	2,561.43	83.96	31.508		
9,700.00	6,855.03	6,700.00	6,591.41	89.46	30.90	81.03	-470.86	750.70	2,727.26	2,643.16	84.09	32.431		
9,800.00	6,856.06	6,700.00	6,591.41	92.14	30.90	81.03	-470.86	750.70	2,810.30	2,726.09	84.21	33.373		
9,900.00	6,857.09	6,700.00	6,591.41	94.83	30.90	81.03	-470.86	750.70	2,894.41	2,810.11	84.30	34.333		
10,000.00	6,858.12	6,700.00	6,591.41	97.52	30.90	81.03	-470.86	750.70	2,979.51	2,895.12	84.38	35.309		
10,100.00	6,859.15	6,700.00	6,591.41	100.23	30.90	81.03	-470.86	750.70	3,065.50	2,981.05	84.45	36.300		
10,200.00	6,860.18	6,700.00	6,591.41	102.94	30.90	81.03	-470.86	750.70	3,152.32	3,067.82	84.50	37.304		
10,300.00	6,861.21	6,700.00	6,591.41	105.66	30.90	81.03	-470.86	750.70	3,239.90	3,155.36	84.55	38.321		
10,400.00	6,862.24	6,700.00	6,591.41	108.39	30.90	81.03	-470.86	750.70	3,328.19	3,243.60	84.58	39.348		
10,500.00	6,863.27	6,700.00	6,591.41	111.12	30.90	81.03	-470.86	750.70	3,417.11	3,332.50	84.61	40.386		
10,600.00	6,864.30	6,700.00	6,591.41	113.86	30.90	81.03	-470.86	750.70	3,506.64	3,422.00	84.64	41.432		
10,700.00	6,865.34	6,700.00	6,591.41	116.60	30.90	81.03	-470.86	750.70	3,596.71	3,512.06	84.65	42.487		
10,800.00	6,866.37	6,700.00	6,591.41	119.35	30.90	81.03	-470.86	750.70	3,687.30	3,602.63	84.67	43.550		
10,900.00	6,867.40	6,700.00	6,591.41	122.11	30.90	81.03	-470.86	750.70	3,778.36	3,693.69	84.68	44.620		
11,000.00	6,868.43	6,700.00	6,591.41	124.87	30.90	81.03	-470.86	750.70	3,869.87	3,785.18	84.69	45.697		
11,100.00	6,869.46	6,700.00	6,591.41	127.63	30.90	81.03	-470.86	750.70	3,961.78	3,877.09	84.69	46.779		
11,200.00	6,870.49	6,700.00	6,591.41	130.40	30.90	81.03	-470.86	750.70	4,054.08	3,969.38	84.70	47.866		
11,300.00	6,871.52	6,700.00	6,591.41	133.17	30.90	81.03	-470.86	750.70	4,146.73	4,062.04	84.70	48.959		
11,400.00	6,872.55	6,700.00	6,591.41	135.94	30.90	81.03	-470.86	750.70	4,239.72	4,155.02	84.70	50.056		
11,500.00	6,873.58	6,700.00	6,591.41	138.72	30.90	81.03	-470.86	750.70	4,333.02	4,248.32	84.70	51.157		
11,600.00	6,874.62	6,700.00	6,591.41	141.50	30.90	81.03	-470.86	750.70	4,426.62	4,341.92	84.70	52.262		
11,700.00	6,875.65	6,700.00	6,591.41	144.28	30.90	81.03	-470.86	750.70	4,520.48	4,435.78	84.70	53.370		
11,800.00	6,876.68	6,700.00	6,591.41	147.07	30.90	81.03	-470.86	750.70	4,614.61	4,529.91	84.70	54.481		
11,900.00	6,877.71	6,700.00	6,591.41	149.85	30.90	81.03	-470.86	750.70	4,708.98	4,624.27	84.70	55.595		
12,000.00	6,878.74	6,700.00	6,591.41	152.65	30.90	81.03	-470.86	750.70	4,803.57	4,718.87	84.70	56.712		
12,100.00	6,879.77	6,700.00	6,591.41	155.44	30.90	81.03	-470.86	750.70	4,898.38	4,813.68	84.70	57.831		
12,200.00	6,880.80	6,700.00	6,591.41	158.23	30.90	81.03	-470.86	750.70	4,993.39	4,908.69	84.70	58.952		
12,300.00	6,881.83	6,700.00	6,591.41	161.03	30.90	81.03	-470.86	750.70	5,088.60	5,003.89	84.71	60.074		
12,400.00	6,882.86	6,700.00	6,591.41	163.83	30.90	81.03	-470.86	750.70	5,183.98	5,099.27	84.71	61.198		
12,500.00	6,883.89	6,700.00	6,591.41	166.63	30.90	81.03	-470.86	750.70	5,279.54	5,194.83	84.71	62.324		
12,600.00	6,884.93	6,700.00	6,591.41	169.43	30.90	81.03	-470.86	750.70	5,375.25	5,290.54	84.72	63.451		
12,700.00	6,885.96	6,678.02	6,569.50	172.24	30.82	80.23	-470.81	752.39	5,470.71	5,386.11	84.61	64.661		
12,800.00	6,886.99	6,677.50	6,568.98	175.04	30.82	80.21	-470.81	752.42	5,566.71	5,482.10	84.61	65.793		
12,900.00	6,888.02	6,676.99	6,568.47	177.85	30.82	80.19	-470.81	752.45	5,662.84	5,578.23	84.61	66.925		
13,000.00	6,889.05	6,676.50	6,567.98	180.66	30.82	80.17	-470.81	752.48	5,759.11	5,674.49	84.62	68.058		
13,100.00	6,890.08	6,676.03	6,567.51	183.47	30.81	80.16	-470.81	752.50	5,855.50	5,770.87	84.63	69.191		
13,200.00	6,891.11	6,675.57	6,567.05	186.28	30.81	80.14	-470.81	752.53	5,952.01	5,867.37	84.64	70.324		
13,300.00	6,892.14	6,675.13	6,566.61	189.10	30.81	80.12	-470.80	752.55	6,048.63	5,963.98	84.65	71.458		
13,400.00	6,893.17	6,674.70	6,566.18	191.91	30.81	80.11	-470.80	752.58	6,145.36	6,060.70	84.66	72.592		
13,500.00	6,894.21	6,674.28	6,565.76	194.73	30.81	80.09	-470.80	752.60	6,242.19	6,157.52	84.67	73.725		
13,600.00	6,895.24	6,673.87	6,565.36	197.54	30.81	80.08	-470.80	752.62	6,339.12	6,254.44	84.68	74.859		
13,700.00	6,896.27	6,673.48	6,564.96	200.36	30.80	80.06	-470.80	752.64	6,436.14	6,351.45	84.69	75.992		
13,800.00	6,897.30	6,673.09	6,564.58	203.18	30.80	80.05	-470.80	752.66	6,533.26	6,448.55	84.71	77.125		
13,900.00	6,898.33	6,672.72	6,564.21	206.00	30.80	80.04	-470.80	752.68	6,630.46	6,545.73	84.73	78.257		
14,000.00	6,899.36	6,650.00	6,541.50	208.82	30.72	79.21	-470.78	753.45	6,728.16	6,643.53	84.63	79.500		
14,100.00	6,900.39	6,650.00	6,541.50	211.64	30.72	79.21	-470.78	753.45	6,825.51	6,740.85	84.65	80.631		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,901.42	6,650.00	6,541.50	214.46	30.72	79.21	-470.78	753.45	6,922.93	6,838.25	84.67	81.760		
14,300.00	6,902.45	6,650.00	6,541.50	217.28	30.72	79.21	-470.78	753.45	7,020.42	6,935.73	84.70	82.889		
14,400.00	6,903.48	6,650.00	6,541.50	220.11	30.72	79.21	-470.78	753.45	7,117.99	7,033.26	84.72	84.017		
14,500.00	6,904.52	6,650.00	6,541.50	222.93	30.72	79.21	-470.78	753.45	7,215.62	7,130.87	84.75	85.145		
14,600.00	6,905.55	6,650.00	6,541.50	225.76	30.72	79.21	-470.78	753.45	7,313.31	7,228.54	84.77	86.271		
14,700.00	6,906.58	6,650.00	6,541.50	228.58	30.72	79.21	-470.78	753.45	7,411.07	7,326.27	84.80	87.396		
14,800.00	6,907.61	6,650.00	6,541.50	231.41	30.72	79.21	-470.78	753.45	7,508.88	7,424.05	84.83	88.521		
14,900.00	6,908.64	6,650.00	6,541.50	234.24	30.72	79.21	-470.78	753.45	7,606.75	7,521.90	84.86	89.644		
15,000.00	6,909.67	6,650.00	6,541.50	237.06	30.72	79.21	-470.78	753.45	7,704.68	7,619.79	84.89	90.766		
15,100.00	6,910.70	6,650.00	6,541.50	239.89	30.72	79.21	-470.78	753.45	7,802.66	7,717.74	84.92	91.886		
15,200.00	6,911.73	6,650.00	6,541.50	242.72	30.72	79.21	-470.78	753.45	7,900.69	7,815.74	84.95	93.006		
15,300.00	6,912.76	6,650.00	6,541.50	245.55	30.72	79.21	-470.78	753.45	7,998.77	7,913.79	84.98	94.123		
15,400.00	6,913.80	6,650.00	6,541.50	248.38	30.72	79.21	-470.78	753.45	8,096.89	8,011.88	85.02	95.240		
15,500.00	6,914.83	6,650.00	6,541.50	251.21	30.72	79.21	-470.78	753.45	8,195.06	8,110.01	85.05	96.355		
15,600.00	6,915.86	6,650.00	6,541.50	254.04	30.72	79.21	-470.78	753.45	8,293.28	8,208.19	85.09	97.469		
15,700.00	6,916.89	6,650.00	6,541.50	256.88	30.72	79.21	-470.78	753.45	8,391.53	8,306.41	85.12	98.581		
15,800.00	6,917.92	6,650.00	6,541.50	259.71	30.72	79.21	-470.78	753.45	8,489.83	8,404.67	85.16	99.691		
15,900.00	6,918.95	6,650.00	6,541.50	262.54	30.72	79.21	-470.78	753.45	8,588.17	8,502.97	85.20	100.800		
16,000.00	6,919.98	6,650.00	6,541.50	265.37	30.72	79.21	-470.78	753.45	8,686.54	8,601.30	85.24	101.907		
16,100.00	6,921.01	6,650.00	6,541.50	268.21	30.72	79.21	-470.78	753.45	8,784.95	8,699.67	85.28	103.012		
16,200.00	6,922.04	6,650.00	6,541.50	271.04	30.72	79.21	-470.78	753.45	8,883.40	8,798.08	85.32	104.116		
16,300.00	6,923.08	6,650.00	6,541.50	273.88	30.72	79.21	-470.78	753.45	8,981.88	8,896.52	85.36	105.218		
16,400.00	6,924.11	6,650.00	6,541.50	276.71	30.72	79.21	-470.78	753.45	9,080.40	8,994.99	85.41	106.317		
16,500.00	6,925.14	6,650.00	6,541.50	279.55	30.72	79.21	-470.78	753.45	9,178.94	9,093.49	85.45	107.416		
16,600.00	6,926.17	6,650.00	6,541.50	282.38	30.72	79.21	-470.78	753.45	9,277.52	9,192.02	85.50	108.512		
16,700.00	6,927.20	6,650.00	6,541.50	285.22	30.72	79.21	-470.78	753.45	9,376.13	9,290.59	85.54	109.606		
16,800.00	6,928.23	6,650.00	6,541.50	288.05	30.72	79.21	-470.78	753.45	9,474.77	9,389.18	85.59	110.698		
16,900.00	6,929.26	6,650.00	6,541.50	290.89	30.72	79.21	-470.78	753.45	9,573.43	9,487.79	85.64	111.788		
17,000.00	6,930.29	6,650.00	6,541.50	293.73	30.72	79.21	-470.78	753.45	9,672.12	9,586.44	85.69	112.876		
17,100.00	6,931.32	6,650.00	6,541.50	296.56	30.72	79.21	-470.78	753.45	9,770.84	9,685.11	85.74	113.963		
17,200.00	6,932.35	6,650.00	6,541.50	299.40	30.72	79.21	-470.78	753.45	9,869.59	9,783.80	85.79	115.047		
17,300.00	6,933.39	6,650.00	6,541.50	302.24	30.72	79.21	-470.78	753.45	9,968.36	9,882.52	85.84	116.128		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-173.75	-119.49	-13.08	120.20					
100.00	100.00	100.00	100.00	3.28	3.28	-173.75	-119.49	-13.08	120.20	113.63	6.57	18.297		
200.00	200.00	200.00	200.00	3.34	3.34	-173.75	-119.49	-13.08	120.20	113.53	6.67	18.010 CC		
300.00	300.00	299.76	299.74	3.44	3.44	-174.58	-119.76	-11.37	120.30	113.41	6.89	17.468 ES		
400.00	399.98	399.23	399.07	3.60	3.60	-173.17	-120.57	-6.24	122.47	115.27	7.20	17.011		
500.00	499.84	497.99	497.46	3.81	3.80	-177.23	-121.91	2.21	128.92	121.31	7.61	16.948 SF		
600.00	599.45	604.23	594.52	4.06	4.06	177.82	-123.75	13.85	140.29	132.17	8.12	17.278		
700.00	698.70	706.24	691.63	4.34	4.35	173.26	-125.80	26.80	156.44	147.75	8.69	18.002		
775.00	772.83	766.88	764.08	4.57	4.54	170.51	-127.33	36.47	171.30	162.19	9.11	18.812		
800.00	797.48	808.81	788.18	4.65	4.67	169.73	-127.84	39.68	176.64	167.32	9.32	18.954		
900.00	896.11	888.43	884.55	4.97	4.94	167.03	-129.88	52.53	198.28	188.38	9.90	20.030		
1,000.00	994.74	985.68	980.92	5.31	5.28	164.86	-131.91	65.39	220.26	209.69	10.57	20.834		
1,100.00	1,093.37	1,082.93	1,077.29	5.68	5.65	163.08	-133.95	78.24	242.49	231.21	11.27	21.507		
1,200.00	1,192.00	1,180.17	1,173.66	6.06	6.02	161.60	-135.99	91.09	264.90	252.89	12.00	22.070		
1,300.00	1,290.63	1,277.42	1,270.03	6.45	6.40	160.35	-138.02	103.94	287.45	274.70	12.75	22.543		
1,400.00	1,389.26	1,374.67	1,366.41	6.86	6.80	159.28	-140.06	116.80	310.12	296.60	13.52	22.943		
1,500.00	1,487.88	1,471.91	1,462.78	7.27	7.20	158.36	-142.09	129.65	332.87	318.57	14.30	23.281		
1,600.00	1,586.51	1,569.16	1,559.15	7.69	7.60	157.56	-144.13	142.50	355.70	340.61	15.09	23.570		
1,700.00	1,685.14	1,666.40	1,655.52	8.11	8.02	156.85	-146.16	155.35	378.58	362.69	15.90	23.817		
1,800.00	1,783.77	1,763.65	1,751.89	8.54	8.43	156.22	-148.20	168.21	401.51	384.81	16.71	24.031		
1,900.00	1,882.40	1,860.90	1,848.26	8.97	8.85	155.66	-150.24	181.06	424.49	406.96	17.53	24.216		
2,000.00	1,981.03	1,958.14	1,944.64	9.41	9.27	155.16	-152.27	193.91	447.50	429.14	18.36	24.377		
2,100.00	2,079.66	2,055.39	2,041.01	9.84	9.70	154.71	-154.31	206.76	470.53	451.34	19.19	24.518		
2,200.00	2,178.28	2,152.64	2,137.38	10.29	10.13	154.30	-156.34	219.62	493.59	473.56	20.03	24.642		
2,300.00	2,276.91	2,249.88	2,233.75	10.73	10.56	153.92	-158.38	232.47	516.68	495.80	20.87	24.752		
2,400.00	2,375.54	2,347.13	2,330.12	11.18	10.99	153.58	-160.41	245.32	539.78	518.06	21.72	24.849		
2,500.00	2,474.17	2,444.37	2,426.49	11.62	11.43	153.27	-162.45	258.18	562.90	540.33	22.57	24.936		
2,600.00	2,572.80	2,541.62	2,522.87	12.07	11.86	152.98	-164.49	271.03	586.04	562.61	23.43	25.014		
2,700.00	2,671.43	2,638.87	2,619.24	12.52	12.30	152.71	-166.52	283.88	609.18	584.90	24.29	25.084		
2,800.00	2,770.05	2,736.11	2,715.61	12.97	12.74	152.46	-168.56	296.73	632.34	607.20	25.15	25.147		
2,900.00	2,868.68	2,833.36	2,811.98	13.43	13.18	152.23	-170.59	309.59	655.51	629.50	26.01	25.203		
3,000.00	2,967.31	2,930.61	2,908.35	13.88	13.62	152.02	-172.63	322.44	678.69	651.82	26.87	25.255		
3,100.00	3,065.94	3,027.85	3,004.72	14.34	14.06	151.82	-174.66	335.29	701.88	674.14	27.74	25.302		
3,200.00	3,164.57	3,125.10	3,101.10	14.79	14.51	151.63	-176.70	348.14	725.08	696.47	28.61	25.344		
3,300.00	3,263.20	3,222.34	3,197.47	15.25	14.95	151.46	-178.74	361.00	748.28	718.80	29.48	25.383		
3,400.00	3,361.83	3,319.59	3,293.84	15.71	15.39	151.29	-180.77	373.85	771.49	741.14	30.35	25.419		
3,500.00	3,460.45	3,416.84	3,390.21	16.17	15.84	151.14	-182.81	386.70	794.70	763.48	31.22	25.452		
3,600.00	3,559.08	3,514.08	3,486.58	16.62	16.28	150.99	-184.84	399.55	817.92	785.82	32.10	25.482		
3,700.00	3,657.71	3,611.33	3,582.95	17.08	16.73	150.85	-186.88	412.41	841.14	808.17	32.97	25.510		
3,800.00	3,756.34	3,708.58	3,679.33	17.54	17.17	150.72	-188.91	425.26	864.37	830.52	33.85	25.536		
3,900.00	3,854.97	3,805.82	3,775.70	18.00	17.62	150.59	-190.95	438.11	887.60	852.88	34.73	25.560		
4,000.00	3,953.60	3,903.07	3,872.07	18.46	18.07	150.48	-192.98	450.96	910.84	875.24	35.60	25.582		
4,100.00	4,052.23	4,000.31	3,968.44	18.92	18.52	150.36	-195.02	463.82	934.08	897.60	36.48	25.603		
4,200.00	4,150.85	4,102.44	4,064.81	19.39	18.99	150.26	-197.06	476.67	957.32	919.94	37.39	25.607		
4,300.00	4,249.48	4,205.19	4,161.18	19.85	19.46	150.16	-199.09	489.52	980.57	942.28	38.29	25.608		
4,400.00	4,348.11	4,307.95	4,257.56	20.31	19.93	150.06	-201.13	502.38	1,003.82	964.62	39.20	25.610		
4,500.00	4,446.74	4,389.30	4,353.93	20.77	20.31	149.97	-203.16	515.23	1,027.07	987.06	40.01	25.672		
4,600.00	4,545.37	4,486.55	4,450.30	21.23	20.76	149.88	-205.20	528.08	1,050.32	1,009.43	40.89	25.687		
4,700.00	4,644.00	4,583.79	4,546.67	21.70	21.21	149.79	-207.23	540.93	1,073.58	1,031.81	41.77	25.700		
4,800.00	4,742.63	4,681.04	4,643.04	22.16	21.66	149.71	-209.27	553.79	1,096.84	1,054.18	42.66	25.713		
4,900.00	4,841.25	4,778.28	4,739.41	22.62	22.11	149.63	-211.31	566.64	1,120.10	1,076.56	43.54	25.725		
5,000.00	4,939.88	4,875.53	4,835.79	23.09	22.56	149.56	-213.34	579.49	1,143.36	1,098.93	44.43	25.737		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	4,972.78	4,932.16	23.55	23.01	149.49	-215.38	592.34	1,166.62	1,121.31	45.31	25.747		
5,200.00	5,137.14	5,070.02	5,028.53	24.02	23.46	149.42	-217.41	605.20	1,189.89	1,143.69	46.20	25.758		
5,300.00	5,235.77	5,167.27	5,124.90	24.48	23.91	149.35	-219.45	618.05	1,213.16	1,166.07	47.08	25.767		
5,400.00	5,334.40	5,264.52	5,221.27	24.94	24.36	149.29	-221.48	630.90	1,236.42	1,188.46	47.97	25.776		
5,500.00	5,433.03	5,361.76	5,317.64	25.41	24.81	149.23	-223.52	643.75	1,259.69	1,210.84	48.85	25.785		
5,600.00	5,531.65	5,459.01	5,414.02	25.87	25.26	149.17	-225.56	656.61	1,282.96	1,233.22	49.74	25.793		
5,700.00	5,630.28	5,556.25	5,510.39	26.34	25.71	149.11	-227.59	669.46	1,306.24	1,255.61	50.63	25.800		
5,800.00	5,728.91	5,653.50	5,606.76	26.80	26.16	149.06	-229.63	682.31	1,329.51	1,277.99	51.52	25.807		
5,900.00	5,827.54	5,750.75	5,703.13	27.27	26.61	149.00	-231.66	695.16	1,352.79	1,300.38	52.40	25.814		
6,000.00	5,926.17	5,847.99	5,799.50	27.73	27.07	148.95	-233.70	708.02	1,376.06	1,322.77	53.29	25.821		
6,100.00	6,024.80	5,945.24	5,895.87	28.20	27.52	148.90	-235.73	720.87	1,399.34	1,345.16	54.18	25.827		
6,200.00	6,123.43	6,042.49	5,992.25	28.66	27.97	148.86	-237.77	733.72	1,422.62	1,367.55	55.07	25.833		
6,272.77	6,195.20	6,113.25	6,062.38	29.00	28.30	148.82	-239.25	743.08	1,439.56	1,383.84	55.72	25.837		
6,300.00	6,222.05	6,139.81	6,088.69	29.13	28.42	133.84	-239.81	746.58	1,445.57	1,389.61	55.96	25.832		
6,350.00	6,271.23	7,552.27	6,969.96	29.36	38.06	147.46	-291.17	-25.24	1,431.01	1,370.72	60.29	23.737		
6,400.00	6,319.99	7,543.90	6,970.07	29.58	37.93	133.69	-290.86	-16.88	1,414.89	1,353.61	61.28	23.091		
6,450.00	6,368.01	7,531.70	6,970.23	29.79	37.75	125.19	-290.42	-4.69	1,400.42	1,338.27	62.15	22.531		
6,500.00	6,415.02	7,515.74	6,970.44	29.99	37.52	119.66	-289.84	11.26	1,387.66	1,324.74	62.91	22.057		
6,550.00	6,460.71	7,503.89	6,970.70	30.18	37.34	115.77	-289.12	30.88	1,376.59	1,312.93	63.65	21.626		
6,600.00	6,504.81	7,472.93	6,971.00	30.36	36.93	112.80	-288.28	54.04	1,367.17	1,303.08	64.09	21.331		
6,650.00	6,547.04	7,446.36	6,971.35	30.53	36.58	110.36	-287.31	80.59	1,359.32	1,294.80	64.51	21.071		
6,700.00	6,587.14	7,416.54	6,971.74	30.69	36.19	108.25	-286.22	110.38	1,352.91	1,288.10	64.82	20.873		
6,750.00	6,624.87	7,386.00	6,969.96	30.83	30.26	104.95	-283.38	186.13	1,347.71	1,289.77	57.93	23.263		
6,800.00	6,660.00	7,290.49	6,964.53	30.96	34.70	102.71	-281.41	235.95	1,342.78	1,278.25	64.53	20.809		
6,850.00	6,692.30	7,228.25	6,952.00	31.07	34.05	100.20	-278.84	296.85	1,338.12	1,273.67	64.45	20.763		
6,900.00	6,721.58	7,173.87	6,936.23	31.23	33.53	98.06	-276.52	348.81	1,333.87	1,269.40	64.46	20.692		
6,950.00	6,747.66	7,125.17	6,918.38	31.56	33.11	96.19	-274.39	394.07	1,330.09	1,265.56	64.54	20.610		
7,000.00	6,770.37	7,080.66	6,899.08	31.92	32.75	94.53	-272.41	434.12	1,326.82	1,262.17	64.65	20.523		
7,050.00	6,789.58	7,039.32	6,878.70	32.33	32.45	93.03	-270.56	470.02	1,324.03	1,259.24	64.79	20.434		
7,100.00	6,805.17	7,000.45	6,857.43	32.78	32.19	91.67	-268.81	502.51	1,321.71	1,256.74	64.96	20.345		
7,150.00	6,817.03	6,963.52	6,835.43	33.27	31.96	90.42	-267.14	532.12	1,319.81	1,254.64	65.17	20.252		
7,200.00	6,825.11	6,928.14	6,812.78	33.80	31.76	89.27	-265.55	559.24	1,318.29	1,252.89	65.40	20.157		
7,250.00	6,829.35	6,894.03	6,789.54	34.37	31.58	88.21	-264.03	584.16	1,317.09	1,251.44	65.66	20.060		
7,273.12	6,830.00	6,878.62	6,778.60	34.65	31.50	87.75	-263.35	595.00	1,316.63	1,250.85	65.79	20.014		
7,300.00	6,830.28	6,861.34	6,766.04	34.98	31.41	87.20	-262.59	606.83	1,316.28	1,250.34	65.95	19.960		
7,316.15	6,830.45	6,851.44	6,758.70	35.19	31.37	86.87	-262.15	613.46	1,316.22	1,250.16	66.06	19.925		
7,400.00	6,831.31	6,805.22	6,723.10	36.32	31.15	85.31	-260.14	642.85	1,317.92	1,251.27	66.65	19.773		
7,500.00	6,832.34	6,759.76	6,686.09	37.83	30.96	83.69	-258.21	669.16	1,324.83	1,257.33	67.50	19.628		
7,600.00	6,833.37	6,722.55	6,654.46	39.49	30.80	82.31	-256.67	688.69	1,337.51	1,269.08	68.43	19.545		
7,700.00	6,834.40	6,691.72	6,627.42	41.27	30.68	81.14	-255.42	703.44	1,356.23	1,286.81	69.41	19.539		
7,800.00	6,835.44	6,665.88	6,604.23	43.17	30.58	80.14	-254.40	714.79	1,381.03	1,310.63	70.40	19.617		
7,900.00	6,836.47	6,650.00	6,589.76	45.17	30.52	79.51	-253.78	721.30	1,411.81	1,340.37	71.44	19.762		
8,000.00	6,837.50	6,625.20	6,566.84	47.26	30.42	78.53	-252.84	730.72	1,448.28	1,376.01	72.27	20.040		
8,100.00	6,838.53	6,600.00	6,543.19	49.43	30.33	77.53	-251.90	739.38	1,490.24	1,417.26	72.98	20.419		
8,200.00	6,839.56	6,600.00	6,543.19	51.66	30.33	77.53	-251.90	739.38	1,537.16	1,463.22	73.94	20.789		
8,300.00	6,840.59	6,582.36	6,526.45	53.95	30.26	76.82	-251.27	744.88	1,588.74	1,514.19	74.55	21.311		
8,400.00	6,841.62	6,571.34	6,515.91	56.29	30.22	76.38	-250.87	748.08	1,644.61	1,569.46	75.15	21.884		
8,500.00	6,842.65	6,550.00	6,495.35	58.67	30.14	75.52	-250.13	753.76	1,704.46	1,628.94	75.52	22.569		
8,600.00	6,843.68	6,550.00	6,495.35	61.10	30.14	75.52	-250.13	753.76	1,767.61	1,691.51	76.09	23.230		
8,700.00	6,844.71	6,550.00	6,495.35	63.56	30.14	75.52	-250.13	753.76	1,834.03	1,757.46	76.57	23.951		
8,800.00	6,845.75	6,550.00	6,495.35	66.05	30.14	75.52	-250.13	753.76	1,903.40	1,826.41	76.99	24.724		
8,900.00	6,846.78	6,531.07	6,476.97	68.58	30.07	74.75	-249.49	758.22	1,975.08	1,897.96	77.12	25.610		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,847.81	6,525.11	6,471.15	71.12	30.05	74.51	-249.29	759.51	2,049.20	1,971.84	77.36	26.490		
9,100.00	6,848.84	6,519.64	6,465.80	73.69	30.03	74.29	-249.11	760.64	2,125.38	2,047.83	77.56	27.405		
9,200.00	6,849.87	6,500.00	6,446.53	76.28	29.96	73.50	-248.47	764.34	2,203.61	2,126.05	77.57	28.410		
9,300.00	6,850.90	6,500.00	6,446.53	78.89	29.96	73.50	-248.47	764.34	2,283.23	2,205.47	77.76	29.364		
9,400.00	6,851.93	6,500.00	6,446.53	81.51	29.96	73.50	-248.47	764.34	2,364.39	2,286.48	77.92	30.345		
9,500.00	6,852.96	6,500.00	6,446.53	84.15	29.96	73.50	-248.47	764.34	2,446.96	2,368.90	78.05	31.350		
9,600.00	6,853.99	6,500.00	6,446.53	86.80	29.96	73.50	-248.47	764.34	2,530.77	2,452.61	78.16	32.377		
9,700.00	6,855.03	6,500.00	6,446.53	89.46	29.96	73.50	-248.47	764.34	2,615.73	2,537.47	78.26	33.424		
9,800.00	6,856.06	6,500.00	6,446.53	92.14	29.96	73.50	-248.47	764.34	2,701.72	2,623.38	78.34	34.488		
9,900.00	6,857.09	6,500.00	6,446.53	94.83	29.96	73.50	-248.47	764.34	2,788.64	2,710.24	78.40	35.568		
10,000.00	6,858.12	6,500.00	6,446.53	97.52	29.96	73.50	-248.47	764.34	2,876.41	2,797.95	78.46	36.662		
10,100.00	6,859.15	6,500.00	6,446.53	100.23	29.96	73.50	-248.47	764.34	2,964.96	2,886.45	78.50	37.769		
10,200.00	6,860.18	6,480.18	6,426.96	102.94	29.89	72.70	-247.84	767.47	3,053.86	2,975.48	78.38	38.961		
10,300.00	6,861.21	6,477.80	6,424.61	105.66	29.88	72.61	-247.77	767.80	3,143.67	3,065.27	78.40	40.098		
10,400.00	6,862.24	6,475.54	6,422.37	108.39	29.87	72.52	-247.70	768.11	3,234.07	3,155.66	78.41	41.245		
10,500.00	6,863.27	6,473.41	6,420.26	111.12	29.86	72.43	-247.64	768.40	3,325.02	3,246.59	78.42	42.399		
10,600.00	6,864.30	6,471.38	6,418.25	113.86	29.85	72.35	-247.57	768.66	3,416.46	3,338.03	78.43	43.561		
10,700.00	6,865.34	6,450.00	6,397.02	116.60	29.78	71.49	-246.93	771.06	3,508.69	3,430.40	78.29	44.817		
10,800.00	6,866.37	6,450.00	6,397.02	119.35	29.78	71.49	-246.93	771.06	3,600.96	3,522.65	78.31	45.984		
10,900.00	6,867.40	6,450.00	6,397.02	122.11	29.78	71.49	-246.93	771.06	3,693.63	3,615.30	78.33	47.156		
11,000.00	6,868.43	6,450.00	6,397.02	124.87	29.78	71.49	-246.93	771.06	3,786.67	3,708.33	78.34	48.334		
11,100.00	6,869.46	6,450.00	6,397.02	127.63	29.78	71.49	-246.93	771.06	3,880.06	3,801.70	78.36	49.517		
11,200.00	6,870.49	6,450.00	6,397.02	130.40	29.78	71.49	-246.93	771.06	3,973.77	3,895.40	78.37	50.704		
11,300.00	6,871.52	6,450.00	6,397.02	133.17	29.78	71.49	-246.93	771.06	4,067.78	3,989.39	78.39	51.894		
11,400.00	6,872.55	6,450.00	6,397.02	135.94	29.78	71.49	-246.93	771.06	4,162.07	4,083.67	78.40	53.089		
11,500.00	6,873.58	6,450.00	6,397.02	138.72	29.78	71.49	-246.93	771.06	4,256.62	4,178.21	78.41	54.286		
11,600.00	6,874.62	6,450.00	6,397.02	141.50	29.78	71.49	-246.93	771.06	4,351.41	4,272.99	78.42	55.486		
11,700.00	6,875.65	6,450.00	6,397.02	144.28	29.78	71.49	-246.93	771.06	4,446.43	4,368.00	78.44	56.689		
11,800.00	6,876.68	6,450.00	6,397.02	147.07	29.78	71.49	-246.93	771.06	4,541.67	4,463.22	78.45	57.894		
11,900.00	6,877.71	6,450.00	6,397.02	149.85	29.78	71.49	-246.93	771.06	4,637.11	4,558.64	78.46	59.101		
12,000.00	6,878.74	6,450.00	6,397.02	152.65	29.78	71.49	-246.93	771.06	4,732.73	4,654.26	78.47	60.309		
12,100.00	6,879.77	6,450.00	6,397.02	155.44	29.78	71.49	-246.93	771.06	4,828.53	4,750.04	78.49	61.519		
12,200.00	6,880.80	6,450.00	6,397.02	158.23	29.78	71.49	-246.93	771.06	4,924.50	4,846.00	78.50	62.730		
12,300.00	6,881.83	6,450.00	6,397.02	161.03	29.78	71.49	-246.93	771.06	5,020.63	4,942.11	78.52	63.942		
12,400.00	6,882.86	6,450.00	6,397.02	163.83	29.78	71.49	-246.93	771.06	5,116.90	5,038.37	78.53	65.155		
12,500.00	6,883.89	6,450.00	6,397.02	166.63	29.78	71.49	-246.93	771.06	5,213.32	5,134.76	78.55	66.368		
12,600.00	6,884.93	6,450.00	6,397.02	169.43	29.78	71.49	-246.93	771.06	5,309.86	5,231.29	78.57	67.582		
12,700.00	6,885.96	6,450.00	6,397.02	172.24	29.78	71.49	-246.93	771.06	5,406.54	5,327.95	78.59	68.796		
12,800.00	6,886.99	6,450.00	6,397.02	175.04	29.78	71.49	-246.93	771.06	5,503.33	5,424.72	78.61	70.010		
12,900.00	6,888.02	6,450.00	6,397.02	177.85	29.78	71.49	-246.93	771.06	5,600.23	5,521.61	78.63	71.224		
13,000.00	6,889.05	6,450.00	6,397.02	180.66	29.78	71.49	-246.93	771.06	5,697.24	5,618.60	78.65	72.438		
13,100.00	6,890.08	6,450.00	6,397.02	183.47	29.78	71.49	-246.93	771.06	5,794.36	5,715.69	78.67	73.652		
13,200.00	6,891.11	6,450.00	6,397.02	186.28	29.78	71.49	-246.93	771.06	5,891.57	5,812.87	78.70	74.865		
13,300.00	6,892.14	6,450.00	6,397.02	189.10	29.78	71.49	-246.93	771.06	5,988.87	5,910.15	78.72	76.078		
13,400.00	6,893.17	6,450.00	6,397.02	191.91	29.78	71.49	-246.93	771.06	6,086.26	6,007.51	78.75	77.290		
13,500.00	6,894.21	6,450.00	6,397.02	194.73	29.78	71.49	-246.93	771.06	6,183.73	6,104.96	78.77	78.502		
13,600.00	6,895.24	6,450.00	6,397.02	197.54	29.78	71.49	-246.93	771.06	6,281.28	6,202.48	78.80	79.712		
13,700.00	6,896.27	6,450.00	6,397.02	200.36	29.78	71.49	-246.93	771.06	6,378.91	6,300.08	78.83	80.922		
13,800.00	6,897.30	6,450.00	6,397.02	203.18	29.78	71.49	-246.93	771.06	6,476.61	6,397.75	78.86	82.130		
13,900.00	6,898.33	6,450.00	6,397.02	206.00	29.78	71.49	-246.93	771.06	6,574.38	6,495.49	78.89	83.338		
14,000.00	6,899.36	6,450.00	6,397.02	208.82	29.78	71.49	-246.93	771.06	6,672.22	6,593.30	78.92	84.544		
14,100.00	6,900.39	6,450.00	6,397.02	211.64	29.78	71.49	-246.93	771.06	6,770.11	6,691.16	78.95	85.749		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,901.42	6,450.00	6,397.02	214.46	29.78	71.49	-246.93	771.06	6,868.07	6,789.09	78.99	86.953		
14,300.00	6,902.45	6,450.00	6,397.02	217.28	29.78	71.49	-246.93	771.06	6,966.09	6,887.07	79.02	88.155		
14,400.00	6,903.48	6,450.00	6,397.02	220.11	29.78	71.49	-246.93	771.06	7,064.16	6,985.11	79.06	89.356		
14,500.00	6,904.52	6,450.00	6,397.02	222.93	29.78	71.49	-246.93	771.06	7,162.29	7,083.20	79.09	90.555		
14,600.00	6,905.55	6,450.00	6,397.02	225.76	29.78	71.49	-246.93	771.06	7,260.47	7,181.34	79.13	91.753		
14,700.00	6,906.58	6,450.00	6,397.02	228.58	29.78	71.49	-246.93	771.06	7,358.69	7,279.52	79.17	92.949		
14,800.00	6,907.61	6,450.00	6,397.02	231.41	29.78	71.49	-246.93	771.06	7,456.97	7,377.76	79.21	94.143		
14,900.00	6,908.64	6,450.00	6,397.02	234.24	29.78	71.49	-246.93	771.06	7,555.29	7,476.04	79.25	95.335		
15,000.00	6,909.67	6,450.00	6,397.02	237.06	29.78	71.49	-246.93	771.06	7,653.65	7,574.36	79.29	96.526		
15,100.00	6,910.70	6,450.00	6,397.02	239.89	29.78	71.49	-246.93	771.06	7,752.05	7,672.72	79.33	97.714		
15,200.00	6,911.73	6,450.00	6,397.02	242.72	29.78	71.49	-246.93	771.06	7,850.50	7,771.12	79.38	98.901		
15,300.00	6,912.76	6,450.00	6,397.02	245.55	29.78	71.49	-246.93	771.06	7,948.98	7,869.56	79.42	100.085		
15,400.00	6,913.80	6,450.00	6,397.02	248.38	29.78	71.49	-246.93	771.06	8,047.50	7,968.03	79.47	101.268		
15,500.00	6,914.83	6,450.00	6,397.02	251.21	29.78	71.49	-246.93	771.06	8,146.06	8,066.54	79.51	102.448		
15,600.00	6,915.86	6,450.00	6,397.02	254.04	29.78	71.49	-246.93	771.06	8,244.65	8,165.09	79.56	103.627		
15,700.00	6,916.89	6,450.00	6,397.02	256.88	29.78	71.49	-246.93	771.06	8,343.27	8,263.67	79.61	104.803		
15,800.00	6,917.92	6,450.00	6,397.02	259.71	29.78	71.49	-246.93	771.06	8,441.93	8,362.27	79.66	105.977		
15,900.00	6,918.95	6,450.00	6,397.02	262.54	29.78	71.49	-246.93	771.06	8,540.62	8,460.91	79.71	107.148		
16,000.00	6,919.98	6,450.00	6,397.02	265.37	29.78	71.49	-246.93	771.06	8,639.34	8,559.58	79.76	108.318		
16,100.00	6,921.01	6,426.74	6,373.83	268.21	29.69	70.57	-246.26	772.86	8,737.63	8,657.93	79.70	109.632		
16,200.00	6,922.04	6,426.41	6,373.51	271.04	29.69	70.56	-246.25	772.87	8,836.40	8,756.65	79.75	110.800		
16,300.00	6,923.08	6,426.09	6,373.18	273.88	29.69	70.54	-246.24	772.89	8,935.19	8,855.39	79.80	111.965		
16,400.00	6,924.11	6,425.77	6,372.87	276.71	29.69	70.53	-246.24	772.91	9,034.01	8,954.15	79.86	113.127		
16,500.00	6,925.14	6,425.46	6,372.56	279.55	29.69	70.52	-246.23	772.93	9,132.85	9,052.94	79.91	114.288		
16,600.00	6,926.17	6,425.15	6,372.25	282.38	29.69	70.51	-246.22	772.95	9,231.72	9,151.75	79.97	115.445		
16,700.00	6,927.20	6,424.86	6,371.96	285.22	29.68	70.50	-246.21	772.96	9,330.61	9,250.59	80.02	116.600		
16,800.00	6,928.23	6,424.57	6,371.67	288.05	29.68	70.48	-246.20	772.98	9,429.52	9,349.44	80.08	117.752		
16,900.00	6,929.26	6,424.28	6,371.38	290.89	29.68	70.47	-246.19	773.00	9,528.46	9,448.32	80.14	118.902		
17,000.00	6,930.29	6,424.00	6,371.10	293.73	29.68	70.46	-246.19	773.01	9,627.42	9,547.22	80.20	120.049		
17,100.00	6,931.32	6,423.72	6,370.83	296.56	29.68	70.45	-246.18	773.03	9,726.40	9,646.14	80.26	121.194		
17,200.00	6,932.35	6,423.45	6,370.56	299.40	29.68	70.44	-246.17	773.04	9,825.40	9,745.09	80.32	122.335		
17,300.00	6,933.39	6,423.19	6,370.29	302.24	29.68	70.43	-246.16	773.05	9,924.42	9,844.04	80.38	123.474		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	1.07	14.94	0.28	14.94					
100.00	100.00	100.00	100.00	3.28	3.28	1.07	14.94	0.28	14.94	8.37	6.57	2.275		
200.00	200.00	200.00	200.00	3.34	3.34	1.07	14.94	0.28	14.94	8.27	6.67	2.239 CC		
300.00	300.00	299.44	299.42	3.44	3.44	0.66	16.66	0.19	16.68	9.77	6.90	2.417		
400.00	399.98	398.75	398.59	3.60	3.61	4.10	21.82	-0.07	20.13	12.89	7.24	2.779		
500.00	499.84	497.93	497.39	3.81	3.81	3.89	30.40	-0.50	23.56	15.88	7.68	3.067		
600.00	599.45	597.00	595.73	4.06	4.06	3.87	42.37	-1.11	26.97	18.77	8.20	3.289		
700.00	698.70	703.88	693.65	4.34	4.37	3.98	57.69	-1.89	30.30	21.50	8.80	3.443		
775.00	772.83	771.11	767.59	4.57	4.57	4.26	70.18	-2.52	31.43	22.20	9.23	3.406		
800.00	797.48	803.89	792.24	4.65	4.67	4.39	74.35	-2.73	31.48	22.07	9.40	3.348		
900.00	896.11	903.89	890.84	4.97	5.00	4.92	91.00	-3.57	31.67	21.62	10.05	3.151		
1,000.00	994.74	1,003.89	989.44	5.31	5.35	5.45	107.66	-4.42	31.87	21.13	10.74	2.967		
1,100.00	1,093.37	1,103.89	1,088.04	5.68	5.73	5.97	124.31	-5.26	32.07	20.61	11.47	2.797		
1,200.00	1,192.00	1,196.11	1,186.64	6.06	6.08	6.48	140.97	-6.11	32.28	20.09	12.19	2.648		
1,300.00	1,290.63	1,303.89	1,285.24	6.45	6.51	6.99	157.62	-6.95	32.48	19.49	12.99	2.500		
1,400.00	1,389.26	1,403.89	1,383.84	6.86	6.92	7.49	174.28	-7.79	32.69	18.91	13.78	2.372		
1,500.00	1,487.88	1,503.89	1,482.44	7.27	7.33	7.98	190.93	-8.64	32.90	18.31	14.59	2.255		
1,600.00	1,586.51	1,603.89	1,581.04	7.69	7.75	8.47	207.59	-9.48	33.12	17.71	15.41	2.149		
1,700.00	1,685.14	1,696.11	1,679.63	8.11	8.14	8.95	224.25	-10.32	33.33	17.12	16.21	2.056		
1,800.00	1,783.77	1,803.89	1,778.23	8.54	8.61	9.43	240.90	-11.17	33.55	16.47	17.09	1.964		
1,900.00	1,882.40	1,903.89	1,876.83	8.97	9.04	9.89	257.56	-12.01	33.77	15.84	17.94	1.883		
2,000.00	1,981.03	1,996.10	1,975.43	9.41	9.45	10.36	274.21	-12.86	34.00	15.24	18.76	1.812		
2,100.00	2,079.66	2,103.90	2,074.03	9.84	9.92	10.81	290.87	-13.70	34.22	14.56	19.66	1.741		
2,200.00	2,178.28	2,203.90	2,172.63	10.29	10.36	11.26	307.52	-14.54	34.45	13.92	20.53	1.678		
2,300.00	2,276.91	2,303.90	2,271.23	10.73	10.81	11.71	324.18	-15.39	34.68	13.28	21.40	1.620		
2,400.00	2,375.54	2,403.90	2,369.83	11.18	11.26	12.15	340.83	-16.23	34.91	12.63	22.28	1.567		
2,500.00	2,474.17	2,503.90	2,468.43	11.62	11.70	12.58	357.49	-17.07	35.15	11.98	23.16	1.517		
2,600.00	2,572.80	2,603.90	2,567.03	12.07	12.16	13.01	374.14	-17.92	35.38	11.33	24.05	1.471 Level 3		
2,700.00	2,671.43	2,703.90	2,665.62	12.52	12.61	13.43	390.80	-18.76	35.62	10.68	24.94	1.428 Level 3		
2,800.00	2,770.05	2,803.90	2,764.22	12.97	13.06	13.84	407.45	-19.61	35.86	10.03	25.83	1.388 Level 3		
2,900.00	2,868.68	2,903.90	2,862.82	13.43	13.51	14.25	424.11	-20.45	36.10	9.38	26.73	1.351 Level 3		
3,000.00	2,967.31	3,003.90	2,961.42	13.88	13.97	14.66	440.77	-21.29	36.34	8.72	27.62	1.316 Level 3		
3,100.00	3,065.94	3,103.90	3,060.02	14.34	14.43	15.06	457.42	-22.14	36.59	8.07	28.52	1.283 Level 3		
3,200.00	3,164.57	3,203.90	3,158.62	14.79	14.88	15.45	474.08	-22.98	36.84	7.42	29.42	1.252 Level 3		
3,300.00	3,263.20	3,303.90	3,257.22	15.25	15.34	15.84	490.73	-23.82	37.08	6.76	30.32	1.223 Level 2		
3,400.00	3,361.83	3,403.90	3,355.82	15.71	15.80	16.22	507.39	-24.67	37.33	6.11	31.23	1.196 Level 2		
3,500.00	3,460.45	3,503.90	3,454.42	16.17	16.26	16.60	524.04	-25.51	37.59	5.45	32.13	1.170 Level 2		
3,600.00	3,559.08	3,596.09	3,553.02	16.62	16.68	16.98	540.70	-26.36	37.84	4.84	33.00	1.147 Level 2		
3,700.00	3,657.71	3,703.91	3,651.61	17.08	17.18	17.34	557.35	-27.20	38.10	4.15	33.95	1.122 Level 2		
3,800.00	3,756.34	3,803.91	3,750.21	17.54	17.64	17.71	574.01	-28.04	38.35	3.50	34.86	1.100 Level 2		
3,900.00	3,854.97	3,903.91	3,848.81	18.00	18.10	18.07	590.66	-28.89	38.61	2.84	35.77	1.079 Level 2		
4,000.00	3,953.60	4,003.91	3,947.41	18.46	18.56	18.42	607.32	-29.73	38.87	2.19	36.68	1.060 Level 2		
4,100.00	4,052.23	4,103.91	4,046.01	18.92	19.02	18.77	623.98	-30.57	39.13	1.54	37.59	1.041 Level 2		
4,200.00	4,150.85	4,203.91	4,144.61	19.39	19.49	19.11	640.63	-31.42	39.39	0.89	38.50	1.023 Level 2		
4,300.00	4,249.48	4,303.91	4,243.21	19.85	19.95	19.45	657.29	-32.26	39.66	0.24	39.42	1.006 Level 2		
4,400.00	4,348.11	4,403.91	4,341.81	20.31	20.41	19.79	673.94	-33.11	39.92	-0.41	40.33	0.990 Level 1		
4,500.00	4,446.74	4,503.91	4,440.41	20.77	20.87	20.12	690.60	-33.95	40.19	-1.06	41.25	0.974 Level 1		
4,600.00	4,545.37	4,596.09	4,539.01	21.23	21.30	20.45	707.25	-34.79	40.46	-1.67	42.13	0.960 Level 1		
4,700.00	4,644.00	4,703.91	4,637.60	21.70	21.80	20.77	723.91	-35.64	40.73	-2.35	43.08	0.945 Level 1		
4,800.00	4,742.63	4,803.91	4,736.20	22.16	22.27	21.09	740.56	-36.48	41.00	-3.00	44.00	0.932 Level 1		
4,900.00	4,841.25	4,903.91	4,834.80	22.62	22.73	21.40	757.22	-37.32	41.27	-3.65	44.92	0.919 Level 1		
5,000.00	4,939.88	5,003.91	4,933.40	23.09	23.19	21.71	773.87	-38.17	41.54	-4.29	45.84	0.906 Level 1		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,103.91	5,032.00	23.55	23.66	22.02	790.53	-39.01	41.82	-4.94	46.76	0.894 Level 1		
5,200.00	5,137.14	5,203.92	5,130.60	24.02	24.12	22.32	807.18	-39.86	42.09	-5.58	47.68	0.883 Level 1		
5,300.00	5,235.77	5,303.92	5,229.20	24.48	24.59	22.62	823.84	-40.70	42.37	-6.23	48.60	0.872 Level 1		
5,400.00	5,334.40	5,403.92	5,327.80	24.94	25.05	22.91	840.50	-41.54	42.65	-6.87	49.52	0.861 Level 1		
5,500.00	5,433.03	5,503.92	5,426.40	25.41	25.52	23.20	857.15	-42.39	42.93	-7.51	50.44	0.851 Level 1		
5,600.00	5,531.65	5,603.92	5,525.00	25.87	25.98	23.49	873.81	-43.23	43.20	-8.15	51.36	0.841 Level 1		
5,700.00	5,630.28	5,703.92	5,623.59	26.34	26.45	23.77	890.46	-44.07	43.49	-8.80	52.28	0.832 Level 1		
5,800.00	5,728.91	5,803.92	5,722.19	26.80	26.92	24.05	907.12	-44.92	43.77	-9.44	53.20	0.823 Level 1		
5,900.00	5,827.54	5,903.92	5,820.79	27.27	27.38	24.32	923.77	-45.76	44.05	-10.08	54.13	0.814 Level 1		
6,000.00	5,926.17	5,996.08	5,919.39	27.73	27.81	24.60	940.43	-46.60	44.34	-10.68	55.01	0.806 Level 1		
6,100.00	6,024.80	6,103.92	6,017.99	28.20	28.31	24.86	957.08	-47.45	44.62	-11.35	55.97	0.797 Level 1		
6,200.00	6,123.43	6,203.92	6,116.59	28.66	28.78	25.13	973.74	-48.29	44.91	-11.99	56.90	0.789 Level 1		
6,272.77	6,195.20	6,268.85	6,188.34	29.00	29.08	25.32	985.86	-48.91	45.11	-12.42	57.53	0.784 Level 1		
6,300.00	6,222.05	6,303.93	6,215.18	29.13	29.25	10.15	990.39	-49.14	44.98	-12.83	57.81	0.778 Level 1		
6,350.00	6,271.23	6,345.90	6,264.31	29.36	29.44	-17.43	998.69	-49.56	43.82	-14.36	58.17	0.753 Level 1		
6,400.00	6,319.99	6,395.27	6,312.99	29.58	29.67	-42.66	1,006.92	-49.97	42.42	-16.11	58.53	0.725 Level 1		
6,418.68	6,338.03	6,413.54	6,331.00	29.66	29.76	-51.87	1,009.96	-50.13	42.24	-16.42	58.66	0.720 Level 1		
6,450.00	6,368.01	6,444.25	6,361.27	29.79	29.90	-65.90	1,015.08	-49.22	42.77	-16.15	58.92	0.726 Level 1		
6,500.00	6,415.02	6,493.97	6,410.07	29.99	30.12	-85.03	1,023.39	-44.69	45.70	-13.66	59.35	0.770 Level 1		
6,550.00	6,460.71	6,544.56	6,459.20	30.18	30.35	-100.19	1,031.79	-36.13	50.77	-8.83	59.59	0.852 Level 1		
6,600.00	6,504.81	6,596.06	6,508.36	30.36	30.56	-111.90	1,040.25	-23.39	57.36	-2.07	59.43	0.965 Level 1		
6,650.00	6,547.04	6,648.50	6,557.21	30.53	30.77	-120.85	1,048.70	-6.31	64.93	6.14	58.78	1.105 Level 2		
6,700.00	6,587.14	6,701.93	6,605.36	30.69	30.98	-127.72	1,057.09	15.22	73.03	15.40	57.64	1.267 Level 3		
6,750.00	6,624.87	6,756.36	6,652.40	30.83	31.17	-133.04	1,065.35	41.29	81.37	25.35	56.02	1.453 Level 3		
6,800.00	6,660.00	6,811.81	6,697.88	30.96	31.35	-137.20	1,073.40	71.95	89.71	35.76	53.95	1.663		
6,850.00	6,692.30	6,868.30	6,741.32	31.07	31.51	-140.49	1,081.15	107.18	97.87	46.39	51.48	1.901		
6,900.00	6,721.58	6,925.80	6,782.20	31.23	31.67	-143.09	1,088.53	146.93	105.69	57.05	48.65	2.173		
6,950.00	6,747.66	6,984.31	6,819.98	31.56	31.80	-145.16	1,095.43	191.04	113.05	67.55	45.50	2.485		
7,000.00	6,770.37	7,043.78	6,854.11	31.92	31.99	-146.80	1,101.76	239.30	119.85	77.71	42.14	2.844		
7,050.00	6,789.58	7,104.16	6,884.07	32.33	32.38	-148.07	1,107.44	291.39	125.97	87.30	38.67	3.257		
7,100.00	6,805.17	7,165.37	6,909.33	32.78	32.86	-149.03	1,112.35	346.89	131.34	96.07	35.27	3.724		
7,150.00	6,817.03	7,227.30	6,929.42	33.27	33.40	-149.73	1,116.43	405.31	135.89	103.73	32.15	4.226		
7,200.00	6,825.11	7,289.85	6,943.92	33.80	34.01	-150.19	1,119.60	466.05	139.54	109.92	29.62	4.711		
7,250.00	6,829.35	7,352.88	6,952.52	34.37	34.68	-150.42	1,121.78	528.43	142.26	114.24	28.02	5.077		
7,273.12	6,830.00	7,382.16	6,954.44	34.65	35.02	-150.46	1,122.45	557.63	143.19	115.50	27.68	5.172		
7,300.00	6,830.28	7,413.47	6,955.10	34.98	35.39	-150.41	1,122.93	588.93	143.57	115.73	27.84	5.157		
7,400.00	6,831.31	7,513.47	6,956.13	36.32	36.69	-150.08	1,124.27	688.91	144.03	114.14	29.89	4.819		
7,500.00	6,832.34	7,613.46	6,957.16	37.83	38.15	-149.76	1,125.62	788.89	144.50	112.31	32.19	4.489		
7,600.00	6,833.37	7,713.46	6,958.19	39.49	39.75	-149.44	1,126.96	888.87	144.97	110.27	34.70	4.178		
7,700.00	6,834.40	7,813.45	6,959.23	41.27	41.49	-149.13	1,128.30	988.85	145.45	108.05	37.40	3.889		
7,800.00	6,835.44	7,913.45	6,960.26	43.17	43.35	-148.81	1,129.65	1,088.83	145.93	105.67	40.26	3.625		
7,900.00	6,836.47	8,013.45	6,961.29	45.17	45.31	-148.50	1,130.99	1,188.82	146.41	103.17	43.25	3.385		
8,000.00	6,837.50	8,113.44	6,962.32	47.26	47.36	-148.19	1,132.34	1,288.80	146.90	100.55	46.36	3.169		
8,100.00	6,838.53	8,213.44	6,963.35	49.43	49.49	-147.88	1,133.68	1,388.78	147.40	97.83	49.57	2.973		
8,200.00	6,839.56	8,313.43	6,964.38	51.66	51.69	-147.57	1,135.03	1,488.76	147.90	95.02	52.88	2.797		
8,300.00	6,840.59	8,413.43	6,965.41	53.95	53.95	-147.27	1,136.37	1,588.74	148.40	92.13	56.27	2.637		
8,400.00	6,841.62	8,513.42	6,966.44	56.29	56.27	-146.97	1,137.72	1,688.72	148.91	89.17	59.74	2.493		
8,500.00	6,842.65	8,613.42	6,967.47	58.67	58.63	-146.67	1,139.06	1,788.70	149.42	86.14	63.28	2.361		
8,600.00	6,843.68	8,713.41	6,968.50	61.10	61.03	-146.37	1,140.41	1,888.68	149.93	83.05	66.88	2.242		
8,700.00	6,844.71	8,813.41	6,969.54	63.56	63.47	-146.07	1,141.75	1,988.67	150.45	79.90	70.55	2.133		
8,800.00	6,845.75	8,913.41	6,970.57	66.05	65.94	-145.78	1,143.10	2,088.65	150.97	76.71	74.27	2.033		
8,900.00	6,846.78	9,013.40	6,971.60	68.58	68.44	-145.49	1,144.44	2,188.63	151.50	73.46	78.04	1.941		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,847.81	9,113.40	6,972.63	71.12	70.97	-145.20	1,145.79	2,288.61	152.03	70.16	81.87	1.857		
9,100.00	6,848.84	9,213.39	6,973.66	73.69	73.52	-144.91	1,147.13	2,388.59	152.57	66.82	85.74	1.779		
9,200.00	6,849.87	9,313.39	6,974.69	76.28	76.09	-144.62	1,148.48	2,488.57	153.11	63.44	89.67	1.707		
9,300.00	6,850.90	9,413.38	6,975.72	78.89	78.68	-144.34	1,149.82	2,588.55	153.65	60.01	93.63	1.641		
9,400.00	6,851.93	9,513.38	6,976.75	81.51	81.29	-144.06	1,151.17	2,688.54	154.19	56.55	97.64	1.579		
9,500.00	6,852.96	9,613.38	6,977.78	84.15	83.92	-143.78	1,152.51	2,788.52	154.74	53.05	101.69	1.522		
9,600.00	6,853.99	9,713.37	6,978.81	86.80	86.56	-143.50	1,153.86	2,888.50	155.30	49.51	105.78	1.468	Level 3	
9,700.00	6,855.03	9,813.37	6,979.84	89.46	89.21	-143.22	1,155.20	2,988.48	155.85	45.94	109.91	1.418	Level 3	
9,800.00	6,856.06	9,913.36	6,980.88	92.14	91.87	-142.95	1,156.55	3,088.46	156.41	42.33	114.08	1.371	Level 3	
9,900.00	6,857.09	10,013.36	6,981.91	94.83	94.55	-142.68	1,157.89	3,188.44	156.98	38.69	118.29	1.327	Level 3	
10,000.00	6,858.12	10,113.35	6,982.94	97.52	97.23	-142.41	1,159.23	3,288.42	157.55	35.02	122.53	1.286	Level 3	
10,100.00	6,859.15	10,213.35	6,983.97	100.23	99.93	-142.14	1,160.58	3,388.40	158.12	31.32	126.80	1.247	Level 2	
10,200.00	6,860.18	10,313.35	6,985.00	102.94	102.63	-141.87	1,161.92	3,488.39	158.69	27.58	131.11	1.210	Level 2	
10,300.00	6,861.21	10,413.34	6,986.03	105.66	105.34	-141.61	1,163.27	3,588.37	159.27	23.82	135.45	1.176	Level 2	
10,400.00	6,862.24	10,513.34	6,987.06	108.39	108.05	-141.35	1,164.61	3,688.35	159.85	20.03	139.82	1.143	Level 2	
10,500.00	6,863.27	10,613.33	6,988.09	111.12	110.78	-141.09	1,165.96	3,788.33	160.44	16.21	144.23	1.112	Level 2	
10,600.00	6,864.30	10,713.33	6,989.12	113.86	113.51	-140.83	1,167.30	3,888.31	161.02	12.36	148.66	1.083	Level 2	
10,700.00	6,865.34	10,813.32	6,990.15	116.60	116.24	-140.57	1,168.65	3,988.29	161.62	8.49	153.13	1.055	Level 2	
10,800.00	6,866.37	10,913.32	6,991.18	119.35	118.99	-140.32	1,169.99	4,088.27	162.21	4.59	157.62	1.029	Level 2	
10,900.00	6,867.40	11,013.31	6,992.22	122.11	121.73	-140.06	1,171.34	4,188.25	162.81	0.67	162.14	1.004	Level 2	
11,000.00	6,868.43	11,113.31	6,993.25	124.87	124.48	-139.81	1,172.68	4,288.24	163.41	-3.28	166.69	0.980	Level 1	
11,100.00	6,869.46	11,213.31	6,994.28	127.63	127.24	-139.56	1,174.03	4,388.22	164.01	-7.26	171.27	0.958	Level 1	
11,200.00	6,870.49	11,313.30	6,995.31	130.40	130.00	-139.32	1,175.37	4,488.20	164.62	-11.25	175.87	0.936	Level 1	
11,300.00	6,871.52	11,413.30	6,996.34	133.17	132.76	-139.07	1,176.72	4,588.18	165.23	-15.28	180.51	0.915	Level 1	
11,400.00	6,872.55	11,513.29	6,997.37	135.94	135.53	-138.83	1,178.06	4,688.16	165.84	-19.32	185.16	0.896	Level 1	
11,500.00	6,873.58	11,613.29	6,998.40	138.72	138.30	-138.59	1,179.41	4,788.14	166.46	-23.38	189.84	0.877	Level 1	
11,600.00	6,874.62	11,713.28	6,999.43	141.50	141.07	-138.35	1,180.75	4,888.12	167.08	-27.47	194.55	0.859	Level 1	
11,700.00	6,875.65	11,813.28	7,000.46	144.28	143.85	-138.11	1,182.10	4,988.10	167.70	-31.58	199.28	0.842	Level 1	
11,800.00	6,876.68	11,913.28	7,001.49	147.07	146.63	-137.87	1,183.44	5,088.09	168.32	-35.71	204.03	0.825	Level 1	
11,900.00	6,877.71	12,013.27	7,002.53	149.85	149.41	-137.64	1,184.79	5,188.07	168.95	-39.86	208.81	0.809	Level 1	
12,000.00	6,878.74	12,113.27	7,003.56	152.65	152.19	-137.40	1,186.13	5,288.05	169.58	-44.03	213.61	0.794	Level 1	
12,100.00	6,879.77	12,213.26	7,004.59	155.44	154.98	-137.17	1,187.48	5,388.03	170.22	-48.22	218.43	0.779	Level 1	
12,200.00	6,880.80	12,313.26	7,005.62	158.23	157.77	-136.94	1,188.82	5,488.01	170.85	-52.42	223.28	0.765	Level 1	
12,300.00	6,881.83	12,413.25	7,006.65	161.03	160.56	-136.71	1,190.16	5,587.99	171.49	-56.65	228.14	0.752	Level 1	
12,400.00	6,882.86	12,513.25	7,007.68	163.83	163.35	-136.49	1,191.51	5,687.97	172.13	-60.89	233.03	0.739	Level 1	
12,500.00	6,883.89	12,613.24	7,008.71	166.63	166.15	-136.26	1,192.85	5,787.95	172.78	-65.16	237.93	0.726	Level 1	
12,600.00	6,884.93	12,713.24	7,009.74	169.43	168.95	-136.04	1,194.20	5,887.94	173.42	-69.44	242.86	0.714	Level 1	
12,700.00	6,885.96	12,813.24	7,010.77	172.24	171.75	-135.82	1,195.54	5,987.92	174.07	-73.73	247.80	0.702	Level 1	
12,800.00	6,886.99	12,913.23	7,011.80	175.04	174.55	-135.60	1,196.89	6,087.90	174.72	-78.05	252.77	0.691	Level 1	
12,900.00	6,888.02	13,013.23	7,012.83	177.85	177.35	-135.38	1,198.23	6,187.88	175.38	-82.38	257.75	0.680	Level 1	
13,000.00	6,889.05	13,113.22	7,013.87	180.66	180.15	-135.17	1,199.58	6,287.86	176.04	-86.72	262.76	0.670	Level 1	
13,100.00	6,890.08	13,213.22	7,014.90	183.47	182.96	-134.95	1,200.92	6,387.84	176.70	-91.08	267.78	0.660	Level 1	
13,200.00	6,891.11	13,313.21	7,015.93	186.28	185.76	-134.74	1,202.27	6,487.82	177.36	-95.46	272.82	0.650	Level 1	
13,300.00	6,892.14	13,413.21	7,016.96	189.10	188.57	-134.53	1,203.61	6,587.81	178.02	-99.85	277.87	0.641	Level 1	
13,400.00	6,893.17	13,513.21	7,017.99	191.91	191.38	-134.32	1,204.96	6,687.79	178.69	-104.26	282.95	0.632	Level 1	
13,500.00	6,894.21	13,613.20	7,019.02	194.73	194.19	-134.11	1,206.30	6,787.77	179.36	-108.68	288.04	0.623	Level 1	
13,600.00	6,895.24	13,713.20	7,020.05	197.54	197.00	-133.90	1,207.65	6,887.75	180.03	-113.11	293.14	0.614	Level 1	
13,700.00	6,896.27	13,813.19	7,021.08	200.36	199.81	-133.70	1,208.99	6,987.73	180.70	-117.56	298.26	0.606	Level 1	
13,800.00	6,897.30	13,913.19	7,022.11	203.18	202.63	-133.49	1,210.34	7,087.71	181.38	-122.02	303.40	0.598	Level 1	
13,900.00	6,898.33	14,013.18	7,023.14	206.00	205.44	-133.29	1,211.68	7,187.69	182.06	-126.50	308.56	0.590	Level 1	
14,000.00	6,899.36	14,113.18	7,024.17	208.82	208.26	-133.09	1,213.03	7,287.67	182.74	-130.99	313.72	0.582	Level 1	
14,100.00	6,900.39	14,213.18	7,025.21	211.64	211.07	-132.89	1,214.37	7,387.66	183.42	-135.49	318.91	0.575	Level 1	

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,901.42	14,313.17	7,026.24	214.46	213.89	-132.69	1,215.72	7,487.64	184.11	-140.00	324.11	0.568	Level 1	
14,300.00	6,902.45	14,413.17	7,027.27	217.28	216.71	-132.50	1,217.06	7,587.62	184.79	-144.53	329.32	0.561	Level 1	
14,400.00	6,903.48	14,513.16	7,028.30	220.11	219.53	-132.30	1,218.41	7,687.60	185.48	-149.06	334.54	0.554	Level 1	
14,500.00	6,904.52	14,613.16	7,029.33	222.93	222.35	-132.11	1,219.75	7,787.58	186.17	-153.61	339.78	0.548	Level 1	
14,600.00	6,905.55	14,713.15	7,030.36	225.76	225.17	-131.92	1,221.10	7,887.56	186.87	-158.17	345.04	0.542	Level 1	
14,700.00	6,906.58	14,813.15	7,031.39	228.58	227.99	-131.73	1,222.44	7,987.54	187.56	-162.74	350.30	0.535	Level 1	
14,800.00	6,907.61	14,913.14	7,032.42	231.41	230.81	-131.54	1,223.78	8,087.52	188.26	-167.32	355.58	0.529	Level 1	
14,900.00	6,908.64	15,013.14	7,033.45	234.24	233.64	-131.35	1,225.13	8,187.51	188.96	-171.92	360.88	0.524	Level 1	
15,000.00	6,909.67	15,113.14	7,034.48	237.06	236.46	-131.16	1,226.47	8,287.49	189.66	-176.52	366.18	0.518	Level 1	
15,100.00	6,910.70	15,213.13	7,035.51	239.89	239.28	-130.98	1,227.82	8,387.47	190.37	-181.13	371.50	0.512	Level 1	
15,200.00	6,911.73	15,313.13	7,036.55	242.72	242.11	-130.79	1,229.16	8,487.45	191.07	-185.75	376.83	0.507	Level 1	
15,300.00	6,912.76	15,413.12	7,037.58	245.55	244.93	-130.61	1,230.51	8,587.43	191.78	-190.39	382.17	0.502	Level 1	
15,400.00	6,913.80	15,513.12	7,038.61	248.38	247.76	-130.43	1,231.85	8,687.41	192.49	-195.03	387.52	0.497	Level 1	
15,500.00	6,914.83	15,613.11	7,039.64	251.21	250.59	-130.25	1,233.20	8,787.39	193.20	-199.68	392.88	0.492	Level 1	
15,600.00	6,915.86	15,713.11	7,040.67	254.04	253.41	-130.07	1,234.54	8,887.37	193.91	-204.34	398.25	0.487	Level 1	
15,700.00	6,916.89	15,813.11	7,041.70	256.88	256.24	-129.90	1,235.89	8,987.36	194.63	-209.01	403.64	0.482	Level 1	
15,800.00	6,917.92	15,913.10	7,042.73	259.71	259.07	-129.72	1,237.23	9,087.34	195.35	-213.68	409.03	0.478	Level 1	
15,900.00	6,918.95	16,013.10	7,043.76	262.54	261.90	-129.55	1,238.58	9,187.32	196.07	-218.37	414.44	0.473	Level 1	
16,000.00	6,919.98	16,113.09	7,044.79	265.37	264.72	-129.37	1,239.92	9,287.30	196.79	-223.06	419.85	0.469	Level 1	
16,100.00	6,921.01	16,213.09	7,045.82	268.21	267.55	-129.20	1,241.27	9,387.28	197.51	-227.77	425.28	0.464	Level 1	
16,200.00	6,922.04	16,313.08	7,046.86	271.04	270.38	-129.03	1,242.61	9,487.26	198.23	-232.48	430.71	0.460	Level 1	
16,300.00	6,923.08	16,413.08	7,047.89	273.88	273.21	-128.86	1,243.96	9,587.24	198.96	-237.20	436.15	0.456	Level 1	
16,400.00	6,924.11	16,513.08	7,048.92	276.71	276.04	-128.69	1,245.30	9,687.23	199.69	-241.92	441.61	0.452	Level 1	
16,500.00	6,925.14	16,613.07	7,049.95	279.55	278.88	-128.53	1,246.65	9,787.21	200.42	-246.65	447.07	0.448	Level 1	
16,600.00	6,926.17	16,713.07	7,050.98	282.38	281.71	-128.36	1,247.99	9,887.19	201.15	-251.39	452.54	0.444	Level 1	
16,700.00	6,927.20	16,813.06	7,052.01	285.22	284.54	-128.20	1,249.34	9,987.17	201.88	-256.14	458.02	0.441	Level 1	
16,800.00	6,928.23	16,913.06	7,053.04	288.05	287.37	-128.03	1,250.68	10,087.15	202.62	-260.89	463.51	0.437	Level 1	
16,900.00	6,929.26	17,013.05	7,054.07	290.89	290.20	-127.87	1,252.03	10,187.13	203.35	-265.66	469.01	0.434	Level 1	
17,000.00	6,930.29	17,113.05	7,055.10	293.73	293.04	-127.71	1,253.37	10,287.11	204.09	-270.42	474.51	0.430	Level 1	
17,100.00	6,931.32	17,213.04	7,056.13	296.56	295.87	-127.55	1,254.71	10,387.09	204.83	-275.20	480.02	0.427	Level 1	
17,200.00	6,932.35	17,313.04	7,057.16	299.40	298.70	-127.39	1,256.06	10,487.08	205.57	-279.98	485.55	0.423	Level 1	
17,300.00	6,933.39	17,413.04	7,058.20	302.24	301.54	-127.23	1,257.40	10,587.06	206.31	-284.76	491.07	0.420	Level 1	
17,400.00	6,934.42	17,513.03	7,059.23	305.08	304.37	-127.08	1,258.75	10,687.04	207.06	-289.55	496.61	0.417	Level 1	
17,500.00	6,935.45	17,613.03	7,060.26	307.92	307.21	-126.92	1,260.09	10,787.02	207.80	-294.35	502.15	0.414	Level 1	
17,553.57	6,936.00	17,666.60	7,060.81	309.44	308.72	-126.84	1,260.81	10,840.58	208.20	-296.92	505.13	0.412	Level 1	
17,553.96	6,936.00	17,666.98	7,060.81	309.45	308.74	-126.84	1,260.82	10,840.97	208.20	-296.94	505.15	0.412	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-174.07	-209.11	-21.71	210.23					
100.00	100.00	100.00	100.00	3.28	3.28	-174.07	-209.11	-21.71	210.23	203.66	6.57	32.002		
200.00	200.00	200.00	200.00	3.34	3.34	-174.07	-209.11	-21.71	210.23	203.56	6.67	31.500 CC, ES		
300.00	300.00	293.19	293.17	3.44	3.43	-174.02	-210.58	-22.08	211.84	204.96	6.89	30.765		
400.00	399.98	386.07	385.93	3.60	3.57	-169.94	-214.97	-23.16	218.39	211.18	7.21	30.308		
500.00	499.84	478.04	477.60	3.81	3.75	-169.86	-222.20	-24.93	231.53	223.91	7.62	30.378		
600.00	599.45	568.54	567.52	4.06	3.95	-169.79	-232.09	-27.37	251.18	243.07	8.11	30.970		
700.00	698.70	657.01	655.07	4.34	4.19	-169.74	-244.43	-30.41	277.18	268.53	8.65	32.044		
775.00	772.83	721.74	718.86	4.57	4.38	-169.71	-255.11	-33.03	300.75	291.67	9.08	33.124		
800.00	797.48	743.00	739.76	4.65	4.45	-169.73	-258.93	-33.97	309.26	300.03	9.23	33.514		
900.00	896.11	826.91	821.92	4.97	4.73	-169.76	-275.45	-38.04	345.01	335.21	9.80	35.192		
1,000.00	994.74	908.91	901.70	5.31	5.03	-169.73	-293.85	-42.57	383.42	373.03	10.39	36.893		
1,100.00	1,093.37	988.95	979.02	5.68	5.35	-169.66	-313.93	-47.51	424.41	413.42	10.99	38.617		
1,200.00	1,192.00	1,066.97	1,053.80	6.06	5.68	-169.56	-335.53	-52.82	467.87	456.28	11.59	40.372		
1,300.00	1,290.63	1,142.94	1,126.01	6.45	6.03	-169.44	-358.44	-58.46	513.72	501.54	12.18	42.161		
1,400.00	1,389.26	1,216.83	1,195.62	6.86	6.38	-169.32	-382.51	-64.38	561.86	549.09	12.77	43.989		
1,500.00	1,487.88	1,300.00	1,273.44	7.27	6.79	-169.17	-411.00	-71.39	611.59	598.17	13.43	45.543		
1,600.00	1,586.51	1,386.71	1,354.55	7.69	7.24	-169.05	-440.76	-78.72	661.40	647.27	14.13	46.815		
1,700.00	1,685.14	1,473.42	1,435.66	8.11	7.69	-168.94	-470.52	-86.04	711.21	696.36	14.85	47.908		
1,800.00	1,783.77	1,560.12	1,516.77	8.54	8.16	-168.84	-500.28	-93.36	761.02	745.44	15.58	48.851		
1,900.00	1,882.40	1,646.83	1,597.87	8.97	8.64	-168.76	-530.05	-100.69	810.83	794.50	16.32	49.668		
2,000.00	1,981.03	1,733.54	1,678.98	9.41	9.12	-168.69	-559.81	-108.01	860.64	843.55	17.08	50.379		
2,100.00	2,079.66	1,820.24	1,760.09	9.84	9.60	-168.62	-589.57	-115.34	910.45	892.60	17.85	51.000		
2,200.00	2,178.28	1,906.95	1,841.20	10.29	10.10	-168.56	-619.33	-122.66	960.26	941.63	18.63	51.546		
2,300.00	2,276.91	2,006.35	1,922.31	10.73	10.67	-168.51	-649.09	-129.98	1,010.08	990.60	19.48	51.861		
2,400.00	2,375.54	2,080.36	2,003.42	11.18	11.09	-168.46	-678.85	-137.31	1,059.89	1,039.68	20.21	52.451		
2,500.00	2,474.17	2,167.07	2,084.53	11.62	11.60	-168.42	-708.61	-144.63	1,109.70	1,088.70	21.01	52.828		
2,600.00	2,572.80	2,253.77	2,165.64	12.07	12.10	-168.38	-738.37	-151.95	1,159.52	1,137.71	21.81	53.165		
2,700.00	2,671.43	2,340.48	2,246.74	12.52	12.61	-168.34	-768.13	-159.28	1,209.34	1,186.72	22.62	53.465		
2,800.00	2,770.05	2,427.19	2,327.85	12.97	13.12	-168.31	-797.89	-166.60	1,259.15	1,235.72	23.43	53.735		
2,900.00	2,868.68	2,513.89	2,408.96	13.43	13.63	-168.27	-827.65	-173.92	1,308.97	1,284.72	24.25	53.978		
3,000.00	2,967.31	2,600.60	2,490.07	13.88	14.15	-168.25	-857.41	-181.25	1,358.78	1,333.71	25.07	54.198		
3,100.00	3,065.94	2,687.30	2,571.18	14.34	14.66	-168.22	-887.17	-188.57	1,408.60	1,382.71	25.89	54.397		
3,200.00	3,164.57	2,774.01	2,652.29	14.79	15.18	-168.19	-916.94	-195.89	1,458.42	1,431.70	26.72	54.577		
3,300.00	3,263.20	2,860.72	2,733.40	15.25	15.70	-168.17	-946.70	-203.22	1,508.24	1,480.68	27.55	54.741		
3,400.00	3,361.83	2,947.42	2,814.51	15.71	16.22	-168.15	-976.46	-210.54	1,558.05	1,529.67	28.38	54.891		
3,500.00	3,460.45	3,034.13	2,895.61	16.17	16.74	-168.13	-1,006.22	-217.86	1,607.87	1,578.65	29.22	55.029		
3,600.00	3,559.08	3,120.84	2,976.72	16.62	17.26	-168.11	-1,035.98	-225.19	1,657.69	1,627.63	30.06	55.154		
3,700.00	3,657.71	3,207.54	3,057.83	17.08	17.78	-168.09	-1,065.74	-232.51	1,707.51	1,676.61	30.89	55.270		
3,800.00	3,756.34	3,305.75	3,138.94	17.54	18.37	-168.07	-1,095.50	-239.83	1,757.32	1,725.53	31.79	55.272		
3,900.00	3,854.97	3,380.95	3,220.05	18.00	18.83	-168.06	-1,125.26	-247.16	1,807.14	1,774.57	32.58	55.474		
4,000.00	3,953.60	3,467.66	3,301.16	18.46	19.35	-168.04	-1,155.02	-254.48	1,856.96	1,823.54	33.42	55.565		
4,100.00	4,052.23	3,554.37	3,382.27	18.92	19.88	-168.03	-1,184.78	-261.80	1,906.78	1,872.51	34.26	55.649		
4,200.00	4,150.85	3,641.07	3,463.38	19.39	20.40	-168.01	-1,214.54	-269.13	1,956.60	1,921.49	35.11	55.726		
4,300.00	4,249.48	3,727.78	3,544.49	19.85	20.92	-168.00	-1,244.30	-276.46	2,006.42	1,971.31	35.96	55.799		
4,400.00	4,348.11	3,814.49	3,625.60	20.31	21.44	-168.00	-1,274.06	-283.79	2,056.24	2,021.03	36.81	55.871		
4,500.00	4,446.74	3,901.50	3,706.71	20.77	21.96	-168.00	-1,303.82	-291.12	2,106.06	2,070.85	37.66	55.942		
4,600.00	4,545.37	3,988.61	3,787.82	21.23	22.48	-168.00	-1,333.58	-298.45	2,155.88	2,120.67	38.51	56.013		
4,700.00	4,644.00	4,075.72	3,868.93	21.69	22.99	-168.00	-1,363.34	-305.78	2,205.70	2,170.49	39.36	56.084		
4,800.00	4,742.63	4,162.83	3,950.04	22.15	23.50	-168.00	-1,393.10	-313.11	2,255.52	2,220.31	40.21	56.155		
4,900.00	4,841.25	4,250.00	4,031.15	22.62	24.01	-168.00	-1,422.86	-320.44	2,305.34	2,270.13	41.06	56.226		
5,000.00	4,939.88	4,337.11	4,112.26	23.08	24.52	-168.00	-1,452.62	-327.77	2,355.16	2,320.00	41.91	56.297		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,240.23	5,038.51	23.55	27.08	-168.92	-1,402.93	-315.48	2,170.30	2,123.31	46.99	46.185		
5,200.00	5,137.14	5,338.86	5,137.14	24.02	27.40	-169.00	-1,402.93	-315.48	2,186.51	2,138.72	47.79	45.750		
5,300.00	5,235.77	5,437.49	5,235.77	24.48	27.71	-169.08	-1,402.93	-315.48	2,202.72	2,154.12	48.60	45.326		
5,400.00	5,334.40	5,536.12	5,334.40	24.94	28.03	-169.16	-1,402.93	-315.48	2,218.94	2,169.53	49.41	44.913		
5,500.00	5,433.03	5,634.75	5,433.03	25.41	28.35	-169.24	-1,402.93	-315.48	2,235.16	2,184.94	50.21	44.512		
5,600.00	5,531.65	5,733.38	5,531.65	25.87	28.67	-169.32	-1,402.93	-315.48	2,251.38	2,200.36	51.03	44.121		
5,700.00	5,630.28	5,832.00	5,630.28	26.34	29.00	-169.40	-1,402.93	-315.48	2,267.61	2,215.77	51.84	43.741		
5,800.00	5,728.91	5,930.63	5,728.91	26.80	29.32	-169.48	-1,402.93	-315.48	2,283.84	2,231.18	52.66	43.370		
5,900.00	5,827.54	6,029.26	5,827.54	27.27	29.66	-169.55	-1,402.93	-315.48	2,300.08	2,246.60	53.48	43.009		
6,000.00	5,926.17	6,127.89	5,926.17	27.73	29.99	-169.62	-1,402.93	-315.48	2,316.32	2,262.02	54.30	42.658		
6,100.00	6,024.80	6,226.52	6,024.80	28.20	30.33	-169.70	-1,402.93	-315.48	2,332.56	2,277.44	55.12	42.316		
6,200.00	6,123.43	6,325.15	6,123.43	28.66	30.67	-169.77	-1,402.93	-315.48	2,348.81	2,292.86	55.95	41.982		
6,272.77	6,195.20	6,403.08	6,195.20	29.00	30.93	-169.82	-1,402.93	-315.48	2,360.64	2,304.06	56.57	41.727		
6,300.00	6,222.05	6,423.77	6,222.05	29.13	31.01	175.23	-1,402.93	-315.48	2,365.13	2,308.35	56.77	41.658		
6,350.00	6,271.23	6,472.95	6,271.23	29.36	31.18	151.89	-1,402.93	-315.48	2,373.67	2,316.49	57.19	41.509		
6,400.00	6,319.99	6,521.71	6,319.99	29.58	31.35	136.28	-1,402.93	-315.48	2,382.59	2,325.00	57.59	41.372		
6,450.00	6,368.01	6,569.74	6,368.01	29.79	31.52	126.32	-1,402.93	-315.48	2,391.85	2,333.86	57.99	41.246		
6,500.00	6,415.02	6,616.74	6,415.02	29.99	31.68	119.70	-1,402.93	-315.48	2,401.44	2,343.06	58.38	41.134		
6,550.00	6,460.71	6,662.43	6,460.71	30.18	31.84	115.04	-1,402.93	-315.48	2,411.37	2,352.60	58.77	41.033		
6,600.00	6,504.81	6,706.53	6,504.81	30.36	32.00	111.59	-1,402.93	-315.48	2,421.66	2,362.51	59.14	40.944		
6,650.00	6,547.04	6,748.76	6,547.04	30.53	32.15	108.92	-1,402.93	-315.48	2,432.33	2,372.81	59.52	40.868		
6,700.00	6,587.14	6,788.87	6,587.14	30.69	32.29	106.77	-1,402.93	-315.48	2,443.42	2,383.53	59.89	40.802		
6,750.00	6,624.87	6,890.45	6,624.87	30.83	32.65	105.85	-1,402.90	-308.21	2,454.54	2,394.10	60.44	40.611		
6,800.00	6,660.00	7,025.26	6,818.49	30.96	33.12	105.43	-1,402.79	-273.98	2,464.71	2,403.70	61.01	40.398		
6,850.00	6,692.30	7,188.29	6,961.86	31.07	33.61	105.13	-1,402.55	-197.30	2,473.34	2,411.80	61.54	40.188		
6,900.00	6,721.58	7,374.83	7,095.86	31.23	34.05	104.56	-1,402.14	-68.48	2,479.78	2,417.57	62.21	39.864		
6,950.00	6,747.66	7,590.00	7,177.12	31.56	33.60	103.51	-1,401.69	70.40	2,483.57	2,424.31	59.26	41.907		
7,000.00	6,770.37	7,747.04	7,227.26	31.92	35.34	101.78	-1,401.04	274.11	2,484.87	2,419.42	65.46	37.961		
7,050.00	6,789.58	7,826.49	7,229.03	32.33	36.08	100.77	-1,400.78	353.52	2,484.62	2,417.73	66.89	37.145		
7,100.00	6,805.17	7,873.93	7,229.09	32.78	36.61	100.18	-1,400.63	400.96	2,484.44	2,416.43	68.01	36.532		
7,150.00	6,817.03	7,922.46	7,229.14	33.27	37.21	99.74	-1,400.47	449.49	2,484.37	2,415.17	69.20	35.901		
7,200.00	6,825.11	7,971.79	7,229.19	33.80	37.89	99.43	-1,400.32	498.82	2,484.34	2,413.87	70.47	35.254		
7,250.00	6,829.35	8,021.59	7,229.24	34.37	38.61	99.27	-1,400.16	548.62	2,484.32	2,412.53	71.80	34.603		
7,273.12	6,830.00	8,044.71	7,229.27	34.65	38.97	99.25	-1,400.08	571.73	2,484.31	2,411.88	72.43	34.298		
7,300.00	6,830.28	8,071.58	7,229.30	34.98	39.38	99.24	-1,400.00	598.61	2,484.29	2,411.11	73.18	33.946		
7,400.00	6,831.31	8,171.58	7,229.40	36.32	41.04	99.22	-1,399.67	698.61	2,484.23	2,408.04	76.19	32.606		
7,500.00	6,832.34	8,271.57	7,229.51	37.83	42.84	99.20	-1,399.35	798.60	2,484.17	2,404.69	79.48	31.253		
7,600.00	6,833.37	8,371.57	7,229.62	39.49	44.75	99.18	-1,399.03	898.60	2,484.12	2,401.08	83.03	29.917		
7,700.00	6,834.40	8,471.56	7,229.72	41.27	46.75	99.16	-1,398.71	998.59	2,484.06	2,397.25	86.81	28.616		
7,800.00	6,835.44	8,571.56	7,229.83	43.17	48.85	99.14	-1,398.39	1,098.59	2,484.00	2,393.23	90.78	27.364		
7,900.00	6,836.47	8,671.56	7,229.94	45.17	51.01	99.11	-1,398.07	1,198.58	2,483.94	2,389.03	94.92	26.170		
8,000.00	6,837.50	8,771.55	7,230.04	47.26	53.25	99.09	-1,397.75	1,298.58	2,483.89	2,384.68	99.21	25.038		
8,100.00	6,838.53	8,871.55	7,230.15	49.43	55.54	99.07	-1,397.43	1,398.57	2,483.83	2,380.20	103.63	23.969		
8,200.00	6,839.56	8,971.54	7,230.26	51.66	57.88	99.05	-1,397.11	1,498.57	2,483.77	2,375.61	108.16	22.963		
8,300.00	6,840.59	9,071.54	7,230.36	53.95	60.26	99.03	-1,396.79	1,598.56	2,483.72	2,370.91	112.80	22.018		
8,400.00	6,841.62	9,171.53	7,230.47	56.29	62.69	99.01	-1,396.47	1,698.56	2,483.66	2,366.13	117.53	21.132		
8,500.00	6,842.65	9,271.53	7,230.58	58.67	65.15	98.99	-1,396.14	1,798.55	2,483.61	2,361.27	122.34	20.301		
8,600.00	6,843.68	9,371.53	7,230.68	61.10	67.64	98.96	-1,395.82	1,898.55	2,483.55	2,356.33	127.22	19.522		
8,700.00	6,844.71	9,471.52	7,230.79	63.56	70.15	98.94	-1,395.50	1,998.54	2,483.50	2,351.34	132.16	18.792		
8,800.00	6,845.75	9,571.52	7,230.90	66.05	72.70	98.92	-1,395.18	2,098.54	2,483.44	2,346.29	137.15	18.107		
8,900.00	6,846.78	9,671.51	7,231.01	68.58	75.26	98.90	-1,394.86	2,198.53	2,483.39	2,341.19	142.20	17.464		
9,000.00	6,847.81	9,771.51	7,231.11	71.12	77.85	98.88	-1,394.54	2,298.53	2,483.34	2,336.04	147.29	16.860		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	6,848.84	9,871.50	7,231.22	73.69	80.45	98.86	-1,394.22	2,398.52	2,483.28	2,330.86	152.42	16.292		
9,200.00	6,849.87	9,971.50	7,231.33	76.28	83.07	98.84	-1,393.90	2,498.52	2,483.23	2,325.64	157.59	15.757		
9,300.00	6,850.90	10,071.50	7,231.43	78.89	85.71	98.82	-1,393.58	2,598.51	2,483.18	2,320.38	162.79	15.254		
9,400.00	6,851.93	10,171.49	7,231.54	81.51	88.35	98.79	-1,393.26	2,698.51	2,483.13	2,315.10	168.02	14.778		
9,500.00	6,852.96	10,271.49	7,231.65	84.15	91.01	98.77	-1,392.94	2,798.50	2,483.07	2,309.79	173.28	14.330		
9,600.00	6,853.99	10,371.48	7,231.75	86.80	93.69	98.75	-1,392.62	2,898.50	2,483.02	2,304.46	178.57	13.905		
9,700.00	6,855.03	10,471.48	7,231.86	89.46	96.37	98.73	-1,392.29	2,998.49	2,482.97	2,299.10	183.87	13.504		
9,800.00	6,856.06	10,571.47	7,231.97	92.14	99.06	98.71	-1,391.97	3,098.49	2,482.92	2,293.72	189.20	13.123		
9,900.00	6,857.09	10,671.47	7,232.07	94.83	101.76	98.69	-1,391.65	3,198.48	2,482.87	2,288.32	194.55	12.762		
10,000.00	6,858.12	10,771.47	7,232.18	97.52	104.47	98.67	-1,391.33	3,298.48	2,482.82	2,282.91	199.91	12.419		
10,100.00	6,859.15	10,871.46	7,232.29	100.23	107.19	98.64	-1,391.01	3,398.47	2,482.77	2,277.48	205.30	12.094		
10,200.00	6,860.18	10,971.46	7,232.39	102.94	109.91	98.62	-1,390.69	3,498.47	2,482.72	2,272.03	210.69	11.784		
10,300.00	6,861.21	11,071.45	7,232.50	105.66	112.64	98.60	-1,390.37	3,598.46	2,482.67	2,266.57	216.10	11.488		
10,400.00	6,862.24	11,171.45	7,232.61	108.39	115.38	98.58	-1,390.05	3,698.46	2,482.62	2,261.10	221.53	11.207		
10,500.00	6,863.27	11,271.44	7,232.71	111.12	118.12	98.56	-1,389.73	3,798.45	2,482.58	2,255.61	226.96	10.938		
10,600.00	6,864.30	11,371.44	7,232.82	113.86	120.87	98.54	-1,389.41	3,898.45	2,482.53	2,250.12	232.41	10.682		
10,700.00	6,865.34	11,471.44	7,232.93	116.60	123.62	98.52	-1,389.09	3,998.44	2,482.48	2,244.61	237.87	10.436		
10,800.00	6,866.37	11,571.43	7,233.03	119.35	126.37	98.49	-1,388.76	4,098.44	2,482.43	2,239.10	243.34	10.202		
10,900.00	6,867.40	11,671.43	7,233.14	122.11	129.14	98.47	-1,388.44	4,198.43	2,482.39	2,233.57	248.81	9.977		
11,000.00	6,868.43	11,771.42	7,233.25	124.87	131.90	98.45	-1,388.12	4,298.43	2,482.34	2,228.04	254.30	9.761		
11,100.00	6,869.46	11,871.42	7,233.35	127.63	134.67	98.43	-1,387.80	4,398.43	2,482.29	2,222.50	259.79	9.555		
11,200.00	6,870.49	11,971.41	7,233.46	130.40	137.44	98.41	-1,387.48	4,498.42	2,482.25	2,216.95	265.30	9.356		
11,300.00	6,871.52	12,071.41	7,233.57	133.17	140.21	98.39	-1,387.16	4,598.42	2,482.20	2,211.40	270.81	9.166		
11,400.00	6,872.55	12,171.41	7,233.67	135.94	142.99	98.37	-1,386.84	4,698.41	2,482.16	2,205.83	276.32	8.983		
11,500.00	6,873.58	12,271.40	7,233.78	138.72	145.77	98.34	-1,386.52	4,798.41	2,482.11	2,200.27	281.85	8.807		
11,600.00	6,874.62	12,371.40	7,233.89	141.50	148.56	98.32	-1,386.20	4,898.40	2,482.07	2,194.69	287.37	8.637		
11,700.00	6,875.65	12,471.39	7,233.99	144.28	151.34	98.30	-1,385.88	4,998.40	2,482.02	2,189.11	292.91	8.474		
11,800.00	6,876.68	12,571.39	7,234.10	147.07	154.13	98.28	-1,385.56	5,098.39	2,481.98	2,183.53	298.45	8.316		
11,900.00	6,877.71	12,671.38	7,234.21	149.85	156.92	98.26	-1,385.24	5,198.39	2,481.94	2,177.94	304.00	8.164		
12,000.00	6,878.74	12,771.38	7,234.32	152.65	159.72	98.24	-1,384.91	5,298.38	2,481.89	2,172.35	309.55	8.018		
12,100.00	6,879.77	12,871.37	7,234.42	155.44	162.51	98.22	-1,384.59	5,398.38	2,481.85	2,166.75	315.10	7.876		
12,200.00	6,880.80	12,971.37	7,234.53	158.23	165.31	98.19	-1,384.27	5,498.37	2,481.81	2,161.15	320.66	7.740		
12,300.00	6,881.83	13,071.37	7,234.64	161.03	168.11	98.17	-1,383.95	5,598.37	2,481.77	2,155.54	326.23	7.607		
12,400.00	6,882.86	13,171.36	7,234.74	163.83	170.91	98.15	-1,383.63	5,698.36	2,481.72	2,149.93	331.80	7.480		
12,500.00	6,883.89	13,271.36	7,234.85	166.63	173.71	98.13	-1,383.31	5,798.36	2,481.68	2,144.32	337.37	7.356		
12,600.00	6,884.93	13,371.35	7,234.96	169.43	176.52	98.11	-1,382.99	5,898.35	2,481.64	2,138.70	342.94	7.236		
12,700.00	6,885.96	13,471.35	7,235.06	172.24	179.32	98.09	-1,382.67	5,998.35	2,481.60	2,133.08	348.52	7.120		
12,800.00	6,886.99	13,571.34	7,235.17	175.04	182.13	98.07	-1,382.35	6,098.34	2,481.56	2,127.45	354.11	7.008		
12,900.00	6,888.02	13,671.34	7,235.28	177.85	184.94	98.04	-1,382.03	6,198.34	2,481.52	2,121.83	359.70	6.899		
13,000.00	6,889.05	13,771.34	7,235.38	180.66	187.75	98.02	-1,381.71	6,298.33	2,481.48	2,116.20	365.29	6.793		
13,100.00	6,890.08	13,871.33	7,235.49	183.47	190.56	98.00	-1,381.38	6,398.33	2,481.44	2,110.56	370.88	6.691		
13,200.00	6,891.11	13,971.33	7,235.60	186.28	193.37	97.98	-1,381.06	6,498.32	2,481.40	2,104.93	376.47	6.591		
13,300.00	6,892.14	14,071.32	7,235.70	189.10	196.19	97.96	-1,380.74	6,598.32	2,481.37	2,099.29	382.07	6.494		
13,400.00	6,893.17	14,171.32	7,235.81	191.91	199.00	97.94	-1,380.42	6,698.31	2,481.33	2,093.65	387.68	6.401		
13,500.00	6,894.21	14,271.31	7,235.92	194.73	201.82	97.92	-1,380.10	6,798.31	2,481.29	2,088.01	393.28	6.309		
13,600.00	6,895.24	14,371.31	7,236.02	197.54	204.64	97.89	-1,379.78	6,898.30	2,481.25	2,082.36	398.89	6.220		
13,700.00	6,896.27	14,471.31	7,236.13	200.36	207.45	97.87	-1,379.46	6,998.30	2,481.21	2,076.72	404.50	6.134		
13,800.00	6,897.30	14,571.30	7,236.24	203.18	210.27	97.85	-1,379.14	7,098.29	2,481.18	2,071.07	410.11	6.050		
13,900.00	6,898.33	14,671.30	7,236.34	206.00	213.09	97.83	-1,378.82	7,198.29	2,481.14	2,065.42	415.72	5.968		
14,000.00	6,899.36	14,771.29	7,236.45	208.82	215.91	97.81	-1,378.50	7,298.28	2,481.11	2,059.77	421.34	5.889		
14,100.00	6,900.39	14,871.29	7,236.56	211.64	218.74	97.79	-1,378.18	7,398.28	2,481.07	2,054.11	426.96	5.811		
14,200.00	6,901.42	14,971.28	7,236.66	214.46	221.56	97.77	-1,377.86	7,498.27	2,481.03	2,048.46	432.58	5.735		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,300.00	6,902.45	15,071.28	7,236.77	217.28	224.38	97.74	-1,377.53	7,598.27	2,481.00	2,042.80	438.20	5.662		
14,400.00	6,903.48	15,171.28	7,236.88	220.11	227.21	97.72	-1,377.21	7,698.26	2,480.96	2,037.14	443.82	5.590		
14,500.00	6,904.52	15,271.27	7,236.98	222.93	230.03	97.70	-1,376.89	7,798.26	2,480.93	2,031.48	449.45	5.520		
14,600.00	6,905.55	15,371.27	7,237.09	225.76	232.86	97.68	-1,376.57	7,898.25	2,480.90	2,025.82	455.08	5.452		
14,700.00	6,906.58	15,471.26	7,237.20	228.58	235.68	97.66	-1,376.25	7,998.25	2,480.86	2,020.15	460.71	5.385		
14,800.00	6,907.61	15,571.26	7,237.30	231.41	238.51	97.64	-1,375.93	8,098.24	2,480.83	2,014.49	466.34	5.320		
14,900.00	6,908.64	15,671.25	7,237.41	234.24	241.34	97.62	-1,375.61	8,198.24	2,480.80	2,008.82	471.97	5.256		
15,000.00	6,909.67	15,771.25	7,237.52	237.06	244.17	97.59	-1,375.29	8,298.23	2,480.76	2,003.15	477.61	5.194		
15,100.00	6,910.70	15,871.25	7,237.63	239.89	247.00	97.57	-1,374.97	8,398.23	2,480.73	1,997.48	483.25	5.133		
15,200.00	6,911.73	15,971.24	7,237.73	242.72	249.82	97.55	-1,374.65	8,498.22	2,480.70	1,991.81	488.88	5.074		
15,300.00	6,912.76	16,071.24	7,237.84	245.55	252.65	97.53	-1,374.33	8,598.22	2,480.67	1,986.14	494.52	5.016		
15,400.00	6,913.80	16,171.23	7,237.95	248.38	255.49	97.51	-1,374.01	8,698.22	2,480.64	1,980.47	500.17	4.960		
15,500.00	6,914.83	16,271.23	7,238.05	251.21	258.32	97.49	-1,373.68	8,798.21	2,480.60	1,974.80	505.81	4.904		
15,600.00	6,915.86	16,371.22	7,238.16	254.04	261.15	97.47	-1,373.36	8,898.21	2,480.57	1,969.12	511.45	4.850		
15,700.00	6,916.89	16,471.22	7,238.27	256.88	263.98	97.44	-1,373.04	8,998.20	2,480.54	1,963.45	517.10	4.797		
15,800.00	6,917.92	16,571.22	7,238.37	259.71	266.81	97.42	-1,372.72	9,098.20	2,480.51	1,957.77	522.74	4.745		
15,900.00	6,918.95	16,671.21	7,238.48	262.54	269.64	97.40	-1,372.40	9,198.19	2,480.48	1,952.09	528.39	4.694		
16,000.00	6,919.98	16,771.21	7,238.59	265.37	272.48	97.38	-1,372.08	9,298.19	2,480.46	1,946.41	534.04	4.645		
16,100.00	6,921.01	16,871.20	7,238.69	268.21	275.31	97.36	-1,371.76	9,398.18	2,480.43	1,940.73	539.69	4.596		
16,200.00	6,922.04	16,971.20	7,238.80	271.04	278.15	97.34	-1,371.44	9,498.18	2,480.40	1,935.05	545.34	4.548		
16,300.00	6,923.08	17,071.19	7,238.91	273.88	280.98	97.32	-1,371.12	9,598.17	2,480.37	1,929.37	551.00	4.502		
16,400.00	6,924.11	17,171.19	7,239.01	276.71	283.81	97.29	-1,370.80	9,698.17	2,480.34	1,923.69	556.65	4.456		
16,500.00	6,925.14	17,271.19	7,239.12	279.55	286.65	97.27	-1,370.48	9,798.16	2,480.31	1,918.01	562.31	4.411		
16,600.00	6,926.17	17,371.18	7,239.23	282.38	289.49	97.25	-1,370.15	9,898.16	2,480.29	1,912.32	567.96	4.367		
16,700.00	6,927.20	17,471.18	7,239.33	285.22	292.32	97.23	-1,369.83	9,998.15	2,480.26	1,906.64	573.62	4.324		
16,800.00	6,928.23	17,571.17	7,239.44	288.05	295.16	97.21	-1,369.51	10,098.15	2,480.23	1,900.95	579.28	4.282		
16,900.00	6,929.26	17,671.17	7,239.55	290.89	297.99	97.19	-1,369.19	10,198.14	2,480.21	1,895.27	584.94	4.240		
17,000.00	6,930.29	17,771.16	7,239.65	293.73	300.83	97.17	-1,368.87	10,298.14	2,480.18	1,889.58	590.60	4.199		
17,100.00	6,931.32	17,871.16	7,239.76	296.56	303.67	97.14	-1,368.55	10,398.13	2,480.16	1,883.89	596.26	4.160		
17,200.00	6,932.35	17,971.16	7,239.87	299.40	306.51	97.12	-1,368.23	10,498.13	2,480.13	1,878.21	601.93	4.120		
17,300.00	6,933.39	18,071.15	7,239.97	302.24	309.34	97.10	-1,367.91	10,598.12	2,480.11	1,872.52	607.59	4.082		
17,333.20	6,933.73	18,104.35	7,240.01	303.18	310.29	97.09	-1,367.80	10,631.32	2,480.10	1,870.63	609.47	4.069		
17,400.00	6,934.42	18,095.23	7,240.00	305.08	310.03	97.10	-1,367.83	10,622.20	2,481.24	1,870.48	610.76	4.063		
17,500.00	6,935.45	18,095.23	7,240.00	307.92	310.03	97.10	-1,367.83	10,622.20	2,486.29	1,874.00	612.29	4.061 SF		
17,553.57	6,936.00	18,095.23	7,240.00	309.44	310.03	97.10	-1,367.83	10,622.20	2,490.64	1,877.94	612.71	4.065		
17,553.96	6,936.00	18,095.23	7,240.00	309.45	310.03	97.10	-1,367.83	10,622.20	2,490.68	1,877.97	612.71	4.065		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-174.03	-194.17	-20.32	195.23					
100.00	100.00	100.00	100.00	3.28	3.28	-174.03	-194.17	-20.32	195.23	188.66	6.57	29.718		
200.00	200.00	200.00	200.00	3.34	3.34	-174.03	-194.17	-20.32	195.23	188.55	6.67	29.252 CC, ES		
300.00	300.00	293.70	293.68	3.44	3.43	-173.94	-195.63	-20.77	196.83	189.95	6.89	28.583		
400.00	399.98	387.07	386.94	3.60	3.57	-169.79	-200.01	-22.10	203.36	196.15	7.21	28.217		
500.00	499.84	479.55	479.10	3.81	3.75	-169.60	-207.20	-24.29	216.48	208.86	7.62	28.392		
600.00	599.45	570.54	569.50	4.06	3.96	-169.42	-217.06	-27.30	236.09	227.98	8.11	29.094		
700.00	698.70	661.59	657.44	4.34	4.20	-169.24	-229.33	-31.04	262.05	253.39	8.66	30.254		
775.00	772.83	730.87	727.99	4.57	4.41	-169.15	-240.27	-34.37	284.80	275.73	9.08	31.372		
800.00	797.48	754.60	751.40	4.65	4.48	-169.16	-243.90	-35.48	292.69	283.47	9.23	31.728		
900.00	896.11	849.48	845.07	4.97	4.80	-169.20	-258.43	-39.91	324.25	314.45	9.81	33.063		
1,000.00	994.74	944.37	938.73	5.31	5.14	-169.23	-272.96	-44.33	355.81	345.37	10.44	34.086		
1,100.00	1,093.37	1,039.26	1,032.40	5.68	5.49	-169.26	-287.48	-48.76	387.37	376.27	11.10	34.891		
1,200.00	1,192.00	1,134.15	1,126.07	6.06	5.86	-169.28	-302.01	-53.19	418.93	407.14	11.79	35.520		
1,300.00	1,290.63	1,229.04	1,219.73	6.45	6.24	-169.30	-316.54	-57.62	450.49	437.98	12.51	36.013		
1,400.00	1,389.26	1,323.93	1,313.40	6.86	6.63	-169.32	-331.07	-62.05	482.05	468.80	13.24	36.398		
1,500.00	1,487.88	1,418.82	1,407.06	7.27	7.03	-169.34	-345.59	-66.47	513.61	499.61	14.00	36.699		
1,600.00	1,586.51	1,513.71	1,500.73	7.69	7.44	-169.35	-360.12	-70.90	545.17	530.41	14.76	36.935		
1,700.00	1,685.14	1,608.60	1,594.40	8.11	7.85	-169.36	-374.65	-75.33	576.73	561.19	15.54	37.119		
1,800.00	1,783.77	1,703.49	1,688.06	8.54	8.27	-169.37	-389.18	-79.76	608.29	591.96	16.32	37.262		
1,900.00	1,882.40	1,801.62	1,781.73	8.97	8.71	-169.38	-403.71	-84.18	639.84	622.71	17.13	37.343		
2,000.00	1,981.03	1,906.73	1,875.40	9.41	9.18	-169.39	-418.23	-88.61	671.40	653.42	17.98	37.338		
2,100.00	2,079.66	1,988.16	1,969.06	9.84	9.54	-169.40	-432.76	-93.04	702.96	684.23	18.73	37.522		
2,200.00	2,178.28	2,083.05	2,062.73	10.29	9.97	-169.41	-447.29	-97.47	734.52	714.97	19.55	37.570		
2,300.00	2,276.91	2,177.94	2,156.39	10.73	10.41	-169.41	-461.82	-101.89	766.08	745.71	20.37	37.604		
2,400.00	2,375.54	2,272.83	2,250.06	11.18	10.84	-169.42	-476.34	-106.32	797.64	776.44	21.20	37.628		
2,500.00	2,474.17	2,367.72	2,343.73	11.62	11.28	-169.43	-490.87	-110.75	829.20	807.17	22.03	37.643		
2,600.00	2,572.80	2,462.60	2,437.39	12.07	11.72	-169.43	-505.40	-115.18	860.76	837.90	22.86	37.651		
2,700.00	2,671.43	2,557.49	2,531.06	12.52	12.16	-169.44	-519.93	-119.61	892.32	868.62	23.70	37.654		
2,800.00	2,770.05	2,652.38	2,624.72	12.97	12.60	-169.44	-534.45	-124.03	923.88	899.34	24.54	37.652		
2,900.00	2,868.68	2,747.27	2,718.39	13.43	13.04	-169.45	-548.98	-128.46	955.44	930.06	25.38	37.646		
3,000.00	2,967.31	2,842.16	2,812.06	13.88	13.49	-169.45	-563.51	-132.89	987.00	960.77	26.22	37.637		
3,100.00	3,065.94	2,937.05	2,905.72	14.34	13.93	-169.45	-578.04	-137.32	1,018.56	991.49	27.07	37.626		
3,200.00	3,164.57	3,031.94	2,999.39	14.79	14.38	-169.46	-592.56	-141.74	1,050.12	1,022.20	27.92	37.613		
3,300.00	3,263.20	3,126.83	3,093.05	15.25	14.82	-169.46	-607.09	-146.17	1,081.68	1,052.91	28.77	37.598		
3,400.00	3,361.83	3,221.72	3,186.72	15.71	15.27	-169.46	-621.62	-150.60	1,113.24	1,083.61	29.62	37.583		
3,500.00	3,460.45	3,316.61	3,280.39	16.17	15.72	-169.47	-636.15	-155.03	1,144.80	1,114.32	30.47	37.566		
3,600.00	3,559.08	3,411.50	3,374.05	16.62	16.17	-169.47	-650.68	-159.45	1,176.35	1,145.03	31.33	37.548		
3,700.00	3,657.71	3,506.39	3,467.72	17.08	16.62	-169.47	-665.20	-163.88	1,207.91	1,175.73	32.18	37.530		
3,800.00	3,756.34	3,601.28	3,561.39	17.54	17.07	-169.47	-679.73	-168.31	1,239.47	1,206.43	33.04	37.512		
3,900.00	3,854.97	3,703.83	3,655.05	18.00	17.55	-169.48	-694.26	-172.74	1,271.03	1,237.10	33.93	37.455		
4,000.00	3,953.60	3,808.94	3,748.72	18.46	18.05	-169.48	-708.79	-177.17	1,302.59	1,267.75	34.84	37.388		
4,100.00	4,052.23	3,885.95	3,842.38	18.92	18.42	-169.48	-723.31	-181.59	1,334.15	1,298.53	35.62	37.456		
4,200.00	4,150.85	3,980.83	3,936.05	19.39	18.87	-169.48	-737.84	-186.02	1,365.71	1,329.23	36.48	37.437		
4,300.00	4,249.48	4,075.72	4,029.72	19.85	19.32	-169.49	-752.37	-190.45	1,397.27	1,359.93	37.34	37.418		
4,400.00	4,348.11	4,170.61	4,123.38	20.31	19.77	-169.49	-766.90	-194.88	1,428.83	1,390.63	38.20	37.399		
4,500.00	4,446.74	4,265.50	4,217.05	20.77	20.23	-169.49	-781.42	-199.30	1,460.39	1,421.32	39.07	37.381		
4,600.00	4,545.37	4,360.39	4,310.71	21.23	20.68	-169.49	-795.95	-203.73	1,491.95	1,452.02	39.93	37.362		
4,700.00	4,644.00	4,455.28	4,404.38	21.70	21.13	-169.49	-810.48	-208.16	1,523.51	1,482.71	40.80	37.344		
4,800.00	4,742.63	4,550.17	4,498.05	22.16	21.58	-169.49	-825.01	-212.59	1,555.07	1,513.41	41.66	37.326		
4,900.00	4,841.25	4,645.06	4,591.71	22.62	22.04	-169.50	-839.53	-217.01	1,586.63	1,544.10	42.53	37.308		
5,000.00	4,939.88	4,739.95	4,685.38	23.09	22.49	-169.50	-854.06	-221.44	1,618.19	1,574.79	43.39	37.291		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	4,834.84	4,779.04	23.55	22.94	-169.50	-868.59	-225.87	1,649.75	1,605.49	44.26	37.273		
5,200.00	5,137.14	4,929.73	4,872.71	24.02	23.40	-169.50	-883.12	-230.30	1,681.31	1,636.18	45.13	37.256		
5,300.00	5,235.77	5,024.62	4,966.38	24.48	23.85	-169.50	-897.64	-234.73	1,712.87	1,666.87	46.00	37.240		
5,400.00	5,334.40	5,119.51	5,060.04	24.94	24.31	-169.50	-912.17	-239.15	1,744.42	1,697.56	46.86	37.223		
5,500.00	5,433.03	5,214.40	5,153.71	25.41	24.76	-169.50	-926.70	-243.58	1,775.98	1,728.25	47.73	37.207		
5,600.00	5,531.65	5,309.29	5,247.38	25.87	25.22	-169.50	-941.23	-248.01	1,807.54	1,758.94	48.60	37.191		
5,700.00	5,630.28	5,404.18	5,341.04	26.34	25.67	-169.51	-955.76	-252.44	1,839.10	1,789.63	49.47	37.175		
5,800.00	5,728.91	5,500.93	5,434.71	26.80	26.14	-169.51	-970.28	-256.86	1,870.66	1,820.31	50.35	37.154		
5,900.00	5,827.54	5,606.05	5,528.37	27.27	26.64	-169.51	-984.81	-261.29	1,902.22	1,850.96	51.27	37.105		
6,000.00	5,926.17	5,688.84	5,622.04	27.73	27.04	-169.51	-999.34	-265.72	1,933.78	1,881.70	52.08	37.130		
6,100.00	6,024.80	5,783.73	5,715.71	28.20	27.49	-169.51	-1,013.87	-270.15	1,965.34	1,912.39	52.95	37.115		
6,200.00	6,123.43	5,878.62	5,809.37	28.66	27.95	-169.51	-1,028.39	-274.57	1,996.90	1,943.08	53.82	37.101		
6,272.77	6,195.20	5,947.68	5,877.54	29.00	28.28	-169.51	-1,038.97	-277.80	2,019.87	1,965.41	54.46	37.091		
6,300.00	6,222.05	5,973.48	5,903.01	29.13	28.40	175.15	-1,042.92	-279.00	2,028.52	1,973.83	54.69	37.088		
6,350.00	6,271.23	6,020.61	5,949.53	29.36	28.63	151.11	-1,050.13	-281.20	2,044.70	1,989.58	55.13	37.092		
6,400.00	6,319.99	6,067.14	5,995.46	29.58	28.85	134.82	-1,057.25	-283.37	2,061.20	2,005.65	55.55	37.106		
6,450.00	6,368.01	6,112.79	6,040.52	29.79	29.07	124.19	-1,064.24	-285.50	2,077.94	2,021.98	55.97	37.129		
6,500.00	6,415.02	6,157.27	6,084.43	29.99	29.29	116.91	-1,071.06	-287.58	2,094.90	2,038.53	56.37	37.162		
6,550.00	6,460.71	6,200.33	6,126.93	30.18	29.49	111.62	-1,077.65	-289.59	2,112.04	2,055.27	56.77	37.205		
6,600.00	6,504.81	6,241.68	6,167.75	30.36	29.69	107.56	-1,083.98	-291.52	2,129.35	2,072.19	57.15	37.257		
6,650.00	6,547.04	6,281.07	6,206.63	30.53	29.88	104.29	-1,090.01	-293.35	2,146.82	2,089.29	57.53	37.317		
6,700.00	6,587.14	6,327.89	6,252.86	30.69	30.10	101.73	-1,097.18	-295.32	2,164.45	2,106.47	57.98	37.329		
6,750.00	6,624.87	6,423.11	6,346.73	30.83	30.53	100.36	-1,111.72	-290.15	2,181.61	2,122.77	58.84	37.076		
6,800.00	6,660.00	6,537.85	6,457.26	30.96	30.98	99.43	-1,128.81	-265.24	2,197.68	2,137.91	59.77	36.769		
6,850.00	6,692.30	6,676.56	6,582.28	31.07	31.44	98.78	-1,148.09	-209.01	2,212.13	2,151.40	60.73	36.427		
6,900.00	6,721.58	6,840.23	6,710.15	31.23	31.87	98.12	-1,167.74	-109.48	2,224.31	2,162.58	61.73	36.034		
6,950.00	6,747.66	6,950.00	6,800.08	31.56	32.08	97.07	-1,181.49	5.74	2,233.58	2,171.01	62.57	35.699		
7,000.00	6,770.37	7,203.98	6,880.47	31.92	33.02	95.51	-1,193.61	205.28	2,239.66	2,174.85	64.81	34.557		
7,050.00	6,789.58	7,348.58	6,895.03	32.33	34.59	93.79	-1,195.61	348.82	2,242.75	2,175.92	66.83	33.559		
7,100.00	6,805.17	7,403.96	6,895.15	32.78	35.29	92.98	-1,195.55	396.29	2,244.72	2,176.73	67.99	33.015		
7,150.00	6,817.03	7,444.59	6,895.28	33.27	35.86	92.36	-1,195.49	444.83	2,246.32	2,177.26	69.06	32.528		
7,200.00	6,825.11	7,506.08	6,895.41	33.80	36.73	91.93	-1,195.42	494.16	2,247.46	2,176.99	70.46	31.896		
7,250.00	6,829.35	7,543.73	6,895.54	34.37	37.32	91.71	-1,195.36	543.97	2,248.09	2,176.47	71.62	31.390		
7,273.12	6,830.00	7,566.85	6,895.60	34.65	37.68	91.67	-1,195.33	567.09	2,248.21	2,175.96	72.25	31.117		
7,300.00	6,830.28	7,606.28	6,895.67	34.98	38.31	91.67	-1,195.29	593.96	2,248.28	2,175.08	73.20	30.714		
7,400.00	6,831.31	7,706.28	6,895.93	36.32	40.03	91.65	-1,195.16	693.96	2,248.53	2,172.28	76.25	29.489		
7,500.00	6,832.34	7,806.28	6,896.20	37.83	41.87	91.63	-1,195.03	793.96	2,248.79	2,169.20	79.59	28.254		
7,600.00	6,833.37	7,906.29	6,896.46	39.49	43.82	91.61	-1,194.89	893.95	2,249.05	2,165.86	83.19	27.035		
7,700.00	6,834.40	8,006.29	6,896.72	41.27	45.86	91.59	-1,194.76	993.95	2,249.31	2,162.29	87.02	25.849		
7,800.00	6,835.44	8,106.29	6,896.98	43.17	47.99	91.57	-1,194.63	1,093.94	2,249.56	2,158.52	91.04	24.709		
7,900.00	6,836.47	8,206.30	6,897.24	45.17	50.18	91.55	-1,194.50	1,193.94	2,249.82	2,154.58	95.24	23.623		
8,000.00	6,837.50	8,306.30	6,897.51	47.26	52.45	91.53	-1,194.37	1,293.94	2,250.08	2,150.49	99.59	22.594		
8,100.00	6,838.53	8,406.30	6,897.77	49.43	54.76	91.51	-1,194.23	1,393.93	2,250.34	2,146.27	104.07	21.624		
8,200.00	6,839.56	8,506.31	6,898.03	51.66	57.13	91.49	-1,194.10	1,493.93	2,250.60	2,141.93	108.66	20.712		
8,300.00	6,840.59	8,606.31	6,898.29	53.95	59.54	91.47	-1,193.97	1,593.93	2,250.86	2,137.50	113.36	19.855		
8,400.00	6,841.62	8,706.31	6,898.55	56.29	61.98	91.45	-1,193.84	1,693.92	2,251.12	2,132.97	118.15	19.053		
8,500.00	6,842.65	8,806.32	6,898.82	58.67	64.46	91.43	-1,193.71	1,793.92	2,251.38	2,128.36	123.02	18.301		
8,600.00	6,843.68	8,906.32	6,899.08	61.10	66.97	91.41	-1,193.57	1,893.91	2,251.64	2,123.68	127.95	17.597		
8,700.00	6,844.71	9,006.32	6,899.34	63.56	69.51	91.39	-1,193.44	1,993.91	2,251.90	2,118.95	132.95	16.938		
8,800.00	6,845.75	9,106.33	6,899.60	66.05	72.06	91.37	-1,193.31	2,093.91	2,252.16	2,114.15	138.01	16.319		
8,900.00	6,846.78	9,206.33	6,899.87	68.58	74.65	91.35	-1,193.18	2,193.90	2,252.42	2,109.31	143.11	15.739		
9,000.00	6,847.81	9,306.33	6,900.13	71.12	77.25	91.33	-1,193.05	2,293.90	2,252.68	2,104.42	148.26	15.194		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	6,848.84	9,406.34	6,900.39	73.69	79.86	91.31	-1,192.91	2,393.90	2,252.94	2,099.50	153.44	14.682		
9,200.00	6,849.87	9,506.34	6,900.65	76.28	82.50	91.29	-1,192.78	2,493.89	2,253.20	2,094.54	158.67	14.201		
9,300.00	6,850.90	9,606.34	6,900.91	78.89	85.14	91.27	-1,192.65	2,593.89	2,253.47	2,089.54	163.92	13.747		
9,400.00	6,851.93	9,706.35	6,901.18	81.51	87.80	91.25	-1,192.52	2,693.88	2,253.73	2,084.52	169.21	13.319		
9,500.00	6,852.96	9,793.65	6,901.44	84.15	90.14	91.23	-1,192.39	2,793.88	2,253.99	2,079.81	174.18	12.940		
9,600.00	6,853.99	9,906.35	6,901.70	86.80	93.16	91.21	-1,192.25	2,893.88	2,254.25	2,074.40	179.86	12.533		
9,700.00	6,855.03	10,006.36	6,901.96	89.46	95.85	91.19	-1,192.12	2,993.87	2,254.52	2,069.30	185.22	12.172		
9,800.00	6,856.06	10,106.36	6,902.22	92.14	98.55	91.17	-1,191.99	3,093.87	2,254.78	2,064.18	190.60	11.830		
9,900.00	6,857.09	10,206.36	6,902.49	94.83	101.26	91.16	-1,191.86	3,193.87	2,255.04	2,059.05	196.00	11.506		
10,000.00	6,858.12	10,306.37	6,902.75	97.52	103.98	91.14	-1,191.73	3,293.86	2,255.31	2,053.90	201.41	11.198		
10,100.00	6,859.15	10,406.37	6,903.01	100.23	106.71	91.12	-1,191.59	3,393.86	2,255.57	2,048.73	206.84	10.905		
10,200.00	6,860.18	10,506.37	6,903.27	102.94	109.44	91.10	-1,191.46	3,493.85	2,255.84	2,043.55	212.29	10.626		
10,300.00	6,861.21	10,606.38	6,903.53	105.66	112.18	91.08	-1,191.33	3,593.85	2,256.10	2,038.35	217.75	10.361		
10,400.00	6,862.24	10,706.38	6,903.80	108.39	114.92	91.06	-1,191.20	3,693.85	2,256.37	2,033.15	223.22	10.108		
10,500.00	6,863.27	10,806.38	6,904.06	111.12	117.67	91.04	-1,191.07	3,793.84	2,256.63	2,027.93	228.70	9.867		
10,600.00	6,864.30	10,906.39	6,904.32	113.86	120.42	91.02	-1,190.93	3,893.84	2,256.90	2,022.70	234.20	9.637		
10,700.00	6,865.34	11,006.39	6,904.58	116.60	123.18	91.00	-1,190.80	3,993.84	2,257.16	2,017.46	239.70	9.417		
10,800.00	6,866.37	11,106.39	6,904.84	119.35	125.94	90.98	-1,190.67	4,093.83	2,257.43	2,012.21	245.22	9.206		
10,900.00	6,867.40	11,206.40	6,905.11	122.11	128.71	90.96	-1,190.54	4,193.83	2,257.70	2,006.96	250.74	9.004		
11,000.00	6,868.43	11,306.40	6,905.37	124.87	131.48	90.94	-1,190.41	4,293.82	2,257.96	2,001.69	256.27	8.811		
11,100.00	6,869.46	11,406.40	6,905.63	127.63	134.25	90.92	-1,190.27	4,393.82	2,258.23	1,996.42	261.81	8.626		
11,200.00	6,870.49	11,506.41	6,905.89	130.40	137.03	90.90	-1,190.14	4,493.82	2,258.50	1,991.14	267.35	8.448		
11,300.00	6,871.52	11,606.41	6,906.16	133.17	139.81	90.88	-1,190.01	4,593.81	2,258.76	1,985.86	272.90	8.277		
11,400.00	6,872.55	11,706.41	6,906.42	135.94	142.60	90.86	-1,189.88	4,693.81	2,259.03	1,980.57	278.46	8.112		
11,500.00	6,873.58	11,806.42	6,906.68	138.72	145.38	90.84	-1,189.75	4,793.81	2,259.30	1,975.27	284.03	7.955		
11,600.00	6,874.62	11,906.42	6,906.94	141.50	148.17	90.82	-1,189.61	4,893.80	2,259.57	1,969.97	289.60	7.802		
11,700.00	6,875.65	12,006.42	6,907.20	144.28	150.96	90.80	-1,189.48	4,993.80	2,259.84	1,964.66	295.17	7.656		
11,800.00	6,876.68	12,106.43	6,907.47	147.07	153.75	90.78	-1,189.35	5,093.79	2,260.10	1,959.35	300.75	7.515		
11,900.00	6,877.71	12,206.43	6,907.73	149.85	156.55	90.76	-1,189.22	5,193.79	2,260.37	1,954.03	306.34	7.379		
12,000.00	6,878.74	12,306.43	6,907.99	152.65	159.35	90.74	-1,189.09	5,293.79	2,260.64	1,948.71	311.93	7.247		
12,100.00	6,879.77	12,406.44	6,908.25	155.44	162.15	90.72	-1,188.95	5,393.78	2,260.91	1,943.39	317.52	7.120		
12,200.00	6,880.80	12,506.44	6,908.51	158.23	164.95	90.70	-1,188.82	5,493.78	2,261.18	1,938.06	323.12	6.998		
12,300.00	6,881.83	12,606.44	6,908.78	161.03	167.75	90.68	-1,188.69	5,593.77	2,261.45	1,932.73	328.72	6.880		
12,400.00	6,882.86	12,706.45	6,909.04	163.83	170.56	90.66	-1,188.56	5,693.77	2,261.72	1,927.39	334.33	6.765		
12,500.00	6,883.89	12,806.45	6,909.30	166.63	173.36	90.65	-1,188.43	5,793.77	2,261.99	1,922.05	339.94	6.654		
12,600.00	6,884.93	12,906.45	6,909.56	169.43	176.17	90.63	-1,188.29	5,893.76	2,262.26	1,916.71	345.55	6.547		
12,700.00	6,885.96	13,006.46	6,909.82	172.24	178.98	90.61	-1,188.16	5,993.76	2,262.53	1,911.37	351.17	6.443		
12,800.00	6,886.99	13,106.46	6,910.09	175.04	181.79	90.59	-1,188.03	6,093.76	2,262.81	1,906.02	356.78	6.342		
12,900.00	6,888.02	13,206.46	6,910.35	177.85	184.61	90.57	-1,187.90	6,193.75	2,263.08	1,900.67	362.40	6.245		
13,000.00	6,889.05	13,306.47	6,910.61	180.66	187.42	90.55	-1,187.77	6,293.75	2,263.35	1,895.32	368.03	6.150		
13,100.00	6,890.08	13,406.47	6,910.87	183.47	190.23	90.53	-1,187.63	6,393.74	2,263.62	1,889.97	373.65	6.058		
13,200.00	6,891.11	13,506.47	6,911.14	186.28	193.05	90.51	-1,187.50	6,493.74	2,263.89	1,884.61	379.28	5.969		
13,300.00	6,892.14	13,606.48	6,911.40	189.10	195.87	90.49	-1,187.37	6,593.74	2,264.17	1,879.25	384.91	5.882		
13,400.00	6,893.17	13,706.48	6,911.66	191.91	198.69	90.47	-1,187.24	6,693.73	2,264.44	1,873.89	390.55	5.798		
13,500.00	6,894.21	13,806.48	6,911.92	194.73	201.50	90.45	-1,187.11	6,793.73	2,264.71	1,868.53	396.18	5.716		
13,600.00	6,895.24	13,906.49	6,912.18	197.54	204.32	90.43	-1,186.97	6,893.73	2,264.99	1,863.16	401.82	5.637		
13,700.00	6,896.27	13,993.51	6,912.45	200.36	206.78	90.41	-1,186.84	6,993.72	2,265.26	1,858.17	407.09	5.564		
13,800.00	6,897.30	14,106.49	6,912.71	203.18	209.97	90.39	-1,186.71	7,093.72	2,265.53	1,852.43	413.10	5.484		
13,900.00	6,898.33	14,206.50	6,912.97	206.00	212.79	90.37	-1,186.58	7,193.71	2,265.81	1,847.06	418.74	5.411		
14,000.00	6,899.36	14,306.50	6,913.23	208.82	215.61	90.35	-1,186.45	7,293.71	2,266.08	1,841.69	424.39	5.340		
14,100.00	6,900.39	14,406.50	6,913.49	211.64	218.44	90.33	-1,186.32	7,393.71	2,266.36	1,836.32	430.04	5.270		
14,200.00	6,901.42	14,506.51	6,913.76	214.46	221.26	90.31	-1,186.18	7,493.70	2,266.63	1,830.95	435.68	5.202		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,300.00	6,902.45	14,606.51	6,914.02	217.28	224.09	90.29	-1,186.05	7,593.70	2,266.91	1,825.57	441.33	5.136		
14,400.00	6,903.48	14,706.51	6,914.28	220.11	226.92	90.27	-1,185.92	7,693.70	2,267.18	1,820.20	446.98	5.072		
14,500.00	6,904.52	14,806.52	6,914.54	222.93	229.75	90.25	-1,185.79	7,793.69	2,267.46	1,814.82	452.64	5.009		
14,600.00	6,905.55	14,906.52	6,914.80	225.76	232.57	90.24	-1,185.66	7,893.69	2,267.73	1,809.44	458.29	4.948		
14,700.00	6,906.58	15,006.52	6,915.07	228.58	235.40	90.22	-1,185.52	7,993.68	2,268.01	1,804.06	463.95	4.889		
14,800.00	6,907.61	15,106.53	6,915.33	231.41	238.23	90.20	-1,185.39	8,093.68	2,268.29	1,798.68	469.60	4.830		
14,900.00	6,908.64	15,206.53	6,915.59	234.24	241.06	90.18	-1,185.26	8,193.68	2,268.56	1,793.30	475.26	4.773		
15,000.00	6,909.67	15,306.53	6,915.85	237.06	243.89	90.16	-1,185.13	8,293.67	2,268.84	1,787.92	480.92	4.718		
15,100.00	6,910.70	15,406.54	6,916.11	239.89	246.72	90.14	-1,185.00	8,393.67	2,269.12	1,782.54	486.58	4.663		
15,200.00	6,911.73	15,506.54	6,916.38	242.72	249.55	90.12	-1,184.86	8,493.67	2,269.40	1,777.16	492.24	4.610		
15,300.00	6,912.76	15,606.54	6,916.64	245.55	252.39	90.10	-1,184.73	8,593.66	2,269.67	1,771.77	497.90	4.558		
15,400.00	6,913.80	15,706.55	6,916.90	248.38	255.22	90.08	-1,184.60	8,693.66	2,269.95	1,766.39	503.56	4.508		
15,500.00	6,914.83	15,806.55	6,917.16	251.21	258.05	90.06	-1,184.47	8,793.65	2,270.23	1,761.00	509.23	4.458		
15,600.00	6,915.86	15,906.55	6,917.43	254.04	260.89	90.04	-1,184.34	8,893.65	2,270.51	1,755.62	514.89	4.410		
15,700.00	6,916.89	16,006.56	6,917.69	256.88	263.72	90.02	-1,184.20	8,993.65	2,270.79	1,750.23	520.56	4.362		
15,800.00	6,917.92	16,106.56	6,917.95	259.71	266.56	90.00	-1,184.07	9,093.64	2,271.07	1,744.84	526.22	4.316		
15,900.00	6,918.95	16,206.56	6,918.21	262.54	269.39	89.98	-1,183.94	9,193.64	2,271.35	1,739.45	531.89	4.270		
16,000.00	6,919.98	16,306.57	6,918.47	265.37	272.23	89.96	-1,183.81	9,293.64	2,271.63	1,734.07	537.56	4.226		
16,100.00	6,921.01	16,406.57	6,918.74	268.21	275.06	89.94	-1,183.68	9,393.63	2,271.91	1,728.68	543.23	4.182		
16,200.00	6,922.04	16,506.57	6,919.00	271.04	277.90	89.92	-1,183.54	9,493.63	2,272.19	1,723.29	548.90	4.140		
16,300.00	6,923.08	16,606.58	6,919.26	273.88	280.73	89.91	-1,183.41	9,593.62	2,272.47	1,717.90	554.57	4.098		
16,400.00	6,924.11	16,706.58	6,919.52	276.71	283.57	89.89	-1,183.28	9,693.62	2,272.75	1,712.51	560.24	4.057		
16,500.00	6,925.14	16,806.59	6,919.78	279.55	286.41	89.87	-1,183.15	9,793.62	2,273.03	1,707.12	565.91	4.017		
16,600.00	6,926.17	16,906.59	6,920.05	282.38	289.25	89.85	-1,183.02	9,893.61	2,273.31	1,701.73	571.58	3.977		
16,700.00	6,927.20	17,006.59	6,920.31	285.22	292.08	89.83	-1,182.88	9,993.61	2,273.59	1,696.34	577.26	3.939		
16,800.00	6,928.23	17,106.60	6,920.57	288.05	294.92	89.81	-1,182.75	10,093.61	2,273.87	1,690.94	582.93	3.901		
16,900.00	6,929.26	17,206.60	6,920.83	290.89	297.76	89.79	-1,182.62	10,193.60	2,274.16	1,685.55	588.60	3.864		
17,000.00	6,930.29	17,306.60	6,921.09	293.73	300.60	89.77	-1,182.49	10,293.60	2,274.44	1,680.16	594.28	3.827		
17,100.00	6,931.32	17,406.61	6,921.36	296.56	303.44	89.75	-1,182.36	10,393.59	2,274.72	1,674.77	599.95	3.791		
17,200.00	6,932.35	17,506.61	6,921.62	299.40	306.28	89.73	-1,182.22	10,493.59	2,275.00	1,669.37	605.63	3.756		
17,300.00	6,933.39	17,593.39	6,921.88	302.24	308.74	89.71	-1,182.09	10,593.59	2,275.29	1,664.36	610.93	3.724		
17,400.00	6,934.42	17,638.91	6,922.00	305.08	310.03	89.70	-1,182.03	10,639.10	2,276.22	1,661.37	614.85	3.702		
17,500.00	6,935.45	17,638.91	6,922.00	307.92	310.03	89.70	-1,182.03	10,639.10	2,281.09	1,664.69	616.40	3.701 SF		
17,553.57	6,936.00	17,638.91	6,922.00	309.44	310.03	89.70	-1,182.03	10,639.10	2,285.49	1,668.74	616.75	3.706		
17,553.96	6,936.00	17,638.91	6,922.00	309.45	310.03	89.70	-1,182.03	10,639.10	2,285.53	1,668.78	616.76	3.706		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-172.04	-29.87	-4.18	30.16					
100.00	100.00	100.00	100.00	3.28	3.28	-172.04	-29.87	-4.18	30.16	23.59	6.57	4.591		
200.00	200.00	200.00	200.00	3.34	3.34	-172.04	-29.87	-4.18	30.16	23.48	6.67	4.519		
300.00	300.00	300.81	300.79	3.44	3.45	-174.15	-28.60	-2.93	28.76	21.87	6.90	4.170		
400.00	399.98	401.43	401.27	3.60	3.61	-178.00	-24.82	0.79	26.61	19.38	7.23	3.682		
452.66	452.58	454.31	453.98	3.71	3.71	175.15	-21.83	3.73	26.23	18.79	7.43	3.528 CC, ES		
500.00	499.84	501.77	501.21	3.81	3.82	167.71	-18.55	6.96	26.61	18.97	7.63	3.485		
600.00	599.45	601.69	600.37	4.06	4.07	150.80	-9.82	15.54	30.43	22.32	8.11	3.752		
700.00	698.70	701.08	698.52	4.34	4.35	136.69	1.30	26.47	38.85	30.19	8.66	4.485		
775.00	772.83	775.20	771.34	4.57	4.58	129.12	11.17	36.18	47.96	38.84	9.12	5.257		
800.00	797.48	799.82	795.45	4.65	4.66	127.07	14.74	39.69	51.41	42.13	9.28	5.537		
900.00	896.11	898.45	891.81	4.97	5.00	120.22	29.74	54.45	65.97	56.02	9.95	6.629		
1,000.00	994.74	1,002.86	988.21	5.31	5.39	115.83	44.79	69.25	81.15	70.47	10.68	7.597		
1,100.00	1,093.37	1,095.82	1,084.61	5.68	5.75	112.84	59.84	84.05	96.65	85.25	11.40	8.478		
1,200.00	1,192.00	1,205.49	1,181.01	6.06	6.20	110.67	74.89	98.84	112.33	100.12	12.21	9.199		
1,300.00	1,290.63	1,306.80	1,277.42	6.45	6.63	109.04	89.94	113.64	128.13	115.11	13.01	9.847		
1,400.00	1,389.26	1,391.88	1,373.82	6.86	6.99	107.77	104.99	128.44	144.00	130.24	13.76	10.464		
1,500.00	1,487.88	1,509.43	1,470.22	7.27	7.51	106.75	120.04	143.24	159.94	145.27	14.67	10.905		
1,600.00	1,586.51	1,589.25	1,566.63	7.69	7.86	105.91	135.09	158.04	175.91	160.49	15.42	11.407		
1,700.00	1,685.14	1,687.94	1,663.03	8.11	8.31	105.22	150.14	172.84	191.92	175.65	16.27	11.796		
1,800.00	1,783.77	1,786.63	1,759.43	8.54	8.76	104.63	165.19	187.64	207.95	190.82	17.13	12.142		
1,900.00	1,882.40	1,885.31	1,855.83	8.97	9.22	104.12	180.24	202.44	223.99	206.00	17.99	12.449		
2,000.00	1,981.03	1,984.00	1,952.24	9.41	9.67	103.68	195.29	217.24	240.05	221.19	18.87	12.724		
2,100.00	2,079.66	2,082.69	2,048.64	9.84	10.14	103.30	210.34	232.04	256.13	236.38	19.75	12.972		
2,200.00	2,178.28	2,181.37	2,145.04	10.29	10.60	102.96	225.39	246.84	272.21	251.58	20.63	13.195		
2,300.00	2,276.91	2,280.06	2,241.44	10.73	11.07	102.67	240.44	261.64	288.30	266.78	21.52	13.397		
2,400.00	2,375.54	2,378.74	2,337.85	11.18	11.54	102.40	255.49	276.44	304.40	281.99	22.41	13.581		
2,500.00	2,474.17	2,477.43	2,434.25	11.62	12.01	102.16	270.54	291.24	320.50	297.19	23.31	13.749		
2,600.00	2,572.80	2,576.12	2,530.65	12.07	12.48	101.94	285.59	306.04	336.61	312.40	24.21	13.902		
2,700.00	2,671.43	2,674.80	2,627.05	12.52	12.95	101.74	300.64	320.84	352.73	327.61	25.12	14.043		
2,800.00	2,770.05	2,773.49	2,723.46	12.97	13.43	101.56	315.69	335.64	368.84	342.82	26.02	14.173		
2,900.00	2,868.68	2,872.18	2,819.86	13.43	13.91	101.39	330.74	350.44	384.96	358.03	26.93	14.293		
3,000.00	2,967.31	2,970.86	2,916.26	13.88	14.38	101.24	345.79	365.24	401.09	373.24	27.84	14.405		
3,100.00	3,065.94	3,069.55	3,012.66	14.34	14.86	101.10	360.84	380.04	417.21	388.46	28.76	14.508		
3,200.00	3,164.57	3,168.23	3,109.07	14.79	15.34	100.97	375.89	394.84	433.34	403.67	29.67	14.604		
3,300.00	3,263.20	3,266.92	3,205.47	15.25	15.82	100.85	390.93	409.64	449.47	418.88	30.59	14.693		
3,400.00	3,361.83	3,365.61	3,301.87	15.71	16.30	100.74	405.98	424.44	465.60	434.10	31.51	14.777		
3,500.00	3,460.45	3,464.29	3,398.27	16.17	16.78	100.63	421.03	439.23	481.74	449.31	32.43	14.855		
3,600.00	3,559.08	3,562.98	3,494.68	16.62	17.27	100.53	436.08	454.03	497.87	464.52	33.35	14.929		
3,700.00	3,657.71	3,661.67	3,591.08	17.08	17.75	100.44	451.13	468.83	514.01	479.74	34.27	14.998		
3,800.00	3,756.34	3,760.35	3,687.48	17.54	18.23	100.36	466.18	483.63	530.15	494.95	35.20	15.063		
3,900.00	3,854.97	3,859.04	3,783.88	18.00	18.72	100.28	481.23	498.43	546.29	510.17	36.12	15.124		
4,000.00	3,953.60	3,957.72	3,880.29	18.46	19.20	100.20	496.28	513.23	562.42	525.38	37.04	15.182		
4,100.00	4,052.23	4,056.41	3,976.69	18.92	19.68	100.13	511.33	528.03	578.57	540.59	37.97	15.237		
4,200.00	4,150.85	4,155.10	4,073.09	19.39	20.17	100.06	526.38	542.83	594.71	555.81	38.90	15.289		
4,300.00	4,249.48	4,253.78	4,169.49	19.85	20.65	99.99	541.43	557.63	610.85	571.02	39.83	15.338		
4,400.00	4,348.11	4,352.47	4,265.90	20.31	21.14	99.93	556.48	572.43	626.99	586.24	40.75	15.385		
4,500.00	4,446.74	4,451.16	4,362.30	20.77	21.63	99.87	571.53	587.23	643.14	601.45	41.68	15.429		
4,600.00	4,545.37	4,549.84	4,458.70	21.23	22.11	99.82	586.58	602.03	659.28	616.67	42.61	15.472		
4,700.00	4,644.00	4,648.53	4,555.11	21.70	22.60	99.77	601.63	616.83	675.42	631.88	43.54	15.512		
4,800.00	4,742.63	4,747.21	4,651.51	22.16	23.09	99.71	616.68	631.63	691.57	647.10	44.47	15.551		
4,900.00	4,841.25	4,845.90	4,747.91	22.62	23.57	99.67	631.73	646.43	707.72	662.31	45.40	15.587		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,939.88	4,944.59	4,844.31	23.09	24.06	99.62	646.78	661.23	723.86	677.53	46.34	15.622		
5,100.00	5,038.51	5,043.27	4,940.72	23.55	24.55	99.58	661.83	676.03	740.01	692.74	47.27	15.656		
5,200.00	5,137.14	5,141.96	5,037.12	24.02	25.04	99.54	676.88	690.83	756.16	707.96	48.20	15.688		
5,300.00	5,235.77	5,240.65	5,133.52	24.48	25.52	99.49	691.93	705.63	772.30	723.17	49.13	15.719		
5,400.00	5,334.40	5,339.33	5,229.92	24.94	26.01	99.46	706.98	720.43	788.45	738.39	50.07	15.748		
5,500.00	5,433.03	5,438.02	5,326.33	25.41	26.50	99.42	722.03	735.23	804.60	753.60	51.00	15.777		
5,600.00	5,531.65	5,536.70	5,422.73	25.87	26.99	99.38	737.08	750.03	820.75	768.81	51.93	15.804		
5,700.00	5,630.28	5,635.39	5,519.13	26.34	27.48	99.35	752.13	764.83	836.90	784.03	52.87	15.830		
5,800.00	5,728.91	5,734.08	5,615.53	26.80	27.96	99.32	767.18	779.62	853.05	799.24	53.80	15.855		
5,900.00	5,827.54	5,832.76	5,711.94	27.27	28.45	99.28	782.23	794.42	869.20	814.46	54.74	15.879		
6,000.00	5,926.17	5,931.45	5,808.34	27.73	28.94	99.25	797.27	809.22	885.34	829.67	55.67	15.903		
6,100.00	6,024.80	6,030.14	5,904.74	28.20	29.43	99.22	812.32	824.02	901.49	844.89	56.61	15.925		
6,200.00	6,123.43	6,128.82	6,001.14	28.66	29.92	99.20	827.37	838.82	917.64	860.10	57.54	15.947		
6,272.77	6,195.20	7,975.55	7,122.06	29.00	43.14	-176.79	960.65	-74.16	927.04	909.01	18.03	51.404		
6,300.00	6,222.05	7,974.87	7,122.06	29.13	43.13	-175.77	960.67	-73.48	900.13	881.90	18.22	49.392		
6,350.00	6,271.23	7,970.58	7,122.10	29.36	43.06	-177.15	960.84	-69.20	850.91	832.33	18.58	45.803		
6,400.00	6,319.99	7,962.41	7,122.17	29.58	42.92	-179.61	961.17	-61.03	802.23	783.28	18.94	42.352		
6,450.00	6,368.01	7,950.39	7,122.28	29.79	42.72	-178.40	961.65	-49.02	754.38	735.05	19.33	39.035		
6,500.00	6,415.02	7,934.61	7,122.42	29.99	42.47	-176.90	962.27	-33.25	707.67	687.93	19.74	35.852		
6,550.00	6,460.71	7,915.15	7,122.59	30.18	42.15	-175.72	963.05	-13.81	662.40	642.21	20.19	32.806		
6,600.00	6,504.81	7,892.15	7,122.79	30.36	41.78	-174.73	963.96	9.17	618.84	598.15	20.69	29.905		
6,650.00	6,547.04	7,865.73	7,123.02	30.53	41.38	-173.84	965.01	35.56	577.27	556.02	21.26	27.158		
6,700.00	6,587.14	7,836.08	7,123.28	30.69	40.94	-173.00	966.19	65.20	537.95	516.07	21.88	24.585		
6,750.00	6,624.87	7,803.36	7,123.57	30.83	40.45	-172.20	967.49	97.89	501.11	478.54	22.57	22.203		
6,800.00	6,660.00	7,767.78	7,123.88	30.96	39.96	-171.42	968.90	133.44	466.97	443.65	23.33	20.020		
6,850.00	6,692.30	7,729.55	7,124.22	31.07	39.45	-170.66	970.42	171.63	435.74	411.61	24.13	18.058		
6,900.00	6,721.58	7,688.92	7,124.57	31.23	38.92	-169.92	972.03	212.23	407.58	382.61	24.97	16.325		
6,950.00	6,747.66	7,646.14	7,124.95	31.56	38.40	-169.22	973.73	254.98	382.63	356.82	25.81	14.824		
7,000.00	6,770.37	7,557.76	7,120.52	31.92	37.42	-167.29	976.46	343.14	358.70	332.51	26.19	13.697		
7,050.00	6,789.58	7,472.38	7,104.84	32.33	36.57	-164.93	977.33	426.99	332.36	303.28	29.08	11.430		
7,100.00	6,805.17	7,396.74	7,081.80	32.78	35.91	-162.31	976.63	498.99	304.38	271.02	33.36	9.124		
7,150.00	6,817.03	7,329.03	7,054.15	33.27	35.40	-159.34	974.85	560.73	275.44	237.33	38.12	7.226		
7,200.00	6,825.11	7,267.73	7,023.66	33.80	35.00	-155.92	972.32	613.82	246.16	203.21	42.94	5.732		
7,250.00	6,829.35	7,211.60	6,991.44	34.37	34.67	-151.86	969.24	659.66	217.07	169.34	47.73	4.548		
7,273.12	6,830.00	7,187.11	6,976.16	34.65	34.55	-149.70	967.68	678.74	203.85	153.92	49.93	4.083		
7,300.00	6,830.28	7,160.15	6,958.52	34.98	34.41	-145.72	965.81	699.03	188.45	135.93	52.52	3.588		
7,400.00	6,831.31	7,076.04	6,898.29	36.32	34.03	-125.28	959.00	757.26	132.62	69.42	63.20	2.098		
7,500.00	6,832.34	7,012.29	6,847.90	37.83	33.78	-98.82	952.91	795.80	101.25	29.48	71.78	1.411 Level 3		
7,506.32	6,832.41	7,008.80	6,845.04	37.93	33.76	-97.18	952.56	797.75	101.12	29.36	71.76	1.409 Level 3, SF		
7,600.00	6,833.37	6,963.21	6,806.68	39.49	33.59	-76.14	947.72	821.90	129.03	64.49	64.54	1.999		
7,700.00	6,834.40	6,924.68	6,773.01	41.27	33.45	-61.39	943.37	840.10	196.86	137.57	59.29	3.320		
7,800.00	6,835.44	6,893.85	6,745.32	43.17	33.34	-52.30	939.71	853.17	278.99	220.78	58.20	4.793		
7,900.00	6,836.47	6,868.72	6,722.33	45.17	33.25	-46.46	936.63	862.81	367.04	308.73	58.32	6.294		
8,000.00	6,837.50	6,850.00	6,704.97	47.26	33.18	-42.85	934.27	869.39	458.24	399.41	58.83	7.790		
8,100.00	6,838.53	6,830.42	6,686.61	49.43	33.11	-39.64	931.76	875.72	551.35	492.21	59.14	9.323		
8,200.00	6,839.56	6,815.54	6,672.54	51.66	33.06	-37.52	929.81	880.15	645.78	586.24	59.54	10.847		
8,300.00	6,840.59	6,800.00	6,657.74	53.95	33.01	-35.56	927.75	884.42	741.16	681.36	59.80	12.393		
8,400.00	6,841.62	6,800.00	6,657.74	56.29	33.01	-35.56	927.75	884.42	837.34	776.93	60.40	13.862		
8,500.00	6,842.65	6,781.89	6,640.37	58.67	32.94	-33.55	925.32	888.94	933.88	873.43	60.45	15.448		
8,600.00	6,843.68	6,773.29	6,632.08	61.10	32.91	-32.68	924.15	890.91	1,030.96	970.28	60.69	16.989		
8,700.00	6,844.71	6,765.64	6,624.69	63.56	32.88	-31.95	923.10	892.56	1,128.40	1,067.51	60.89	18.532		
8,800.00	6,845.75	6,750.00	6,609.51	66.05	32.83	-30.59	920.94	895.67	1,226.23	1,165.30	60.93	20.126		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,846.78	6,750.00	6,609.51	68.58	32.83	30.59	920.94	895.67	1,324.12	1,262.93	61.19	21.638		
9,000.00	6,847.81	6,750.00	6,609.51	71.12	32.83	30.59	920.94	895.67	1,422.31	1,360.89	61.42	23.158		
9,100.00	6,848.84	6,750.00	6,609.51	73.69	32.83	30.59	920.94	895.67	1,520.74	1,459.12	61.61	24.683		
9,200.00	6,849.87	6,750.00	6,609.51	76.28	32.83	30.59	920.94	895.67	1,619.35	1,557.57	61.78	26.211		
9,300.00	6,850.90	6,750.00	6,609.51	78.89	32.83	30.59	920.94	895.67	1,718.13	1,656.20	61.93	27.743		
9,400.00	6,851.93	6,729.26	6,589.29	81.51	32.75	28.99	918.04	899.21	1,816.58	1,754.74	61.85	29.372		
9,500.00	6,852.96	6,725.67	6,585.77	84.15	32.74	28.73	917.53	899.75	1,915.45	1,853.50	61.94	30.922		
9,600.00	6,853.99	6,722.35	6,582.52	86.80	32.73	28.50	917.06	900.24	2,014.39	1,952.36	62.04	32.471		
9,700.00	6,855.03	6,719.27	6,579.50	89.46	32.72	28.29	916.63	900.68	2,113.42	2,051.30	62.13	34.018		
9,800.00	6,856.06	6,700.00	6,560.58	92.14	32.64	27.07	913.88	903.07	2,212.79	2,150.73	62.07	35.652		
9,900.00	6,857.09	6,700.00	6,560.58	94.83	32.64	27.07	913.88	903.07	2,311.87	2,249.69	62.18	37.182		
10,000.00	6,858.12	6,700.00	6,560.58	97.52	32.64	27.07	913.88	903.07	2,411.03	2,348.75	62.28	38.713		
10,100.00	6,859.15	6,700.00	6,560.58	100.23	32.64	27.07	913.88	903.07	2,510.25	2,447.87	62.38	40.243		
10,200.00	6,860.18	6,700.00	6,560.58	102.94	32.64	27.07	913.88	903.07	2,609.53	2,547.06	62.47	41.773		
10,300.00	6,861.21	6,700.00	6,560.58	105.66	32.64	27.07	913.88	903.07	2,708.86	2,646.30	62.56	43.301		
10,400.00	6,862.24	6,700.00	6,560.58	108.39	32.64	27.07	913.88	903.07	2,808.24	2,745.60	62.64	44.829		
10,500.00	6,863.27	6,700.00	6,560.58	111.12	32.64	27.07	913.88	903.07	2,907.66	2,844.94	62.73	46.354		
10,600.00	6,864.30	6,700.00	6,560.58	113.86	32.64	27.07	913.88	903.07	3,007.13	2,944.32	62.81	47.878		
10,700.00	6,865.34	6,700.00	6,560.58	116.60	32.64	27.07	913.88	903.07	3,106.62	3,043.74	62.89	49.400		
10,800.00	6,866.37	6,700.00	6,560.58	119.35	32.64	27.07	913.88	903.07	3,206.15	3,143.19	62.96	50.921		
10,900.00	6,867.40	6,700.00	6,560.58	122.11	32.64	27.07	913.88	903.07	3,305.71	3,242.67	63.04	52.439		
11,000.00	6,868.43	6,700.00	6,560.58	124.87	32.64	27.07	913.88	903.07	3,405.29	3,342.17	63.11	53.954		
11,100.00	6,869.46	6,700.00	6,560.58	127.63	32.64	27.07	913.88	903.07	3,504.89	3,441.70	63.19	55.467		
11,200.00	6,870.49	6,700.00	6,560.58	130.40	32.64	27.07	913.88	903.07	3,604.52	3,541.26	63.26	56.978		
11,300.00	6,871.52	6,700.00	6,560.58	133.17	32.64	27.07	913.88	903.07	3,704.17	3,640.83	63.33	58.486		
11,400.00	6,872.55	6,700.00	6,560.58	135.94	32.64	27.07	913.88	903.07	3,803.83	3,740.43	63.41	59.991		
11,500.00	6,873.58	6,700.00	6,560.58	138.72	32.64	27.07	913.88	903.07	3,903.52	3,840.04	63.48	61.493		
11,600.00	6,874.62	6,700.00	6,560.58	141.50	32.64	27.07	913.88	903.07	4,003.22	3,939.67	63.55	62.993		
11,700.00	6,875.65	6,700.00	6,560.58	144.28	32.64	27.07	913.88	903.07	4,102.93	4,039.31	63.62	64.489		
11,800.00	6,876.68	6,700.00	6,560.58	147.07	32.64	27.07	913.88	903.07	4,202.66	4,138.96	63.69	65.982		
11,900.00	6,877.71	6,700.00	6,560.58	149.85	32.64	27.07	913.88	903.07	4,302.40	4,238.63	63.77	67.472		
12,000.00	6,878.74	6,700.00	6,560.58	152.65	32.64	27.07	913.88	903.07	4,402.15	4,338.31	63.84	68.958		
12,100.00	6,879.77	6,700.00	6,560.58	155.44	32.64	27.07	913.88	903.07	4,501.91	4,438.00	63.91	70.441		
12,200.00	6,880.80	6,700.00	6,560.58	158.23	32.64	27.07	913.88	903.07	4,601.69	4,537.70	63.98	71.921		
12,300.00	6,881.83	6,700.00	6,560.58	161.03	32.64	27.07	913.88	903.07	4,701.47	4,637.41	64.06	73.397		
12,400.00	6,882.86	6,700.00	6,560.58	163.83	32.64	27.07	913.88	903.07	4,801.26	4,737.13	64.13	74.869		
12,500.00	6,883.89	6,677.92	6,538.83	166.63	32.56	25.83	910.69	905.09	4,900.63	4,836.54	64.09	76.468		
12,600.00	6,884.93	6,677.20	6,538.12	169.43	32.56	25.79	910.58	905.15	5,000.41	4,936.25	64.16	77.938		
12,700.00	6,885.96	6,676.50	6,537.43	172.24	32.55	25.76	910.48	905.20	5,100.20	5,035.97	64.23	79.404		
12,800.00	6,886.99	6,675.83	6,536.77	175.04	32.55	25.72	910.38	905.25	5,199.99	5,135.69	64.30	80.867		
12,900.00	6,888.02	6,675.18	6,536.13	177.85	32.55	25.69	910.29	905.29	5,299.80	5,235.42	64.38	82.325		
13,000.00	6,889.05	6,674.56	6,535.51	180.66	32.55	25.66	910.20	905.34	5,399.60	5,335.15	64.45	83.779		
13,100.00	6,890.08	6,673.95	6,534.91	183.47	32.54	25.62	910.11	905.38	5,499.42	5,434.89	64.52	85.229		
13,200.00	6,891.11	6,673.36	6,534.33	186.28	32.54	25.59	910.02	905.42	5,599.24	5,534.64	64.60	86.675		
13,300.00	6,892.14	6,672.79	6,533.77	189.10	32.54	25.57	909.94	905.45	5,699.07	5,634.39	64.68	88.117		
13,400.00	6,893.17	6,672.24	6,533.23	191.91	32.54	25.54	909.86	905.49	5,798.90	5,734.15	64.75	89.555		
13,500.00	6,894.21	6,650.00	6,511.25	194.73	32.45	24.48	906.60	906.56	5,899.15	5,834.42	64.73	91.140		
13,600.00	6,895.24	6,650.00	6,511.25	197.54	32.45	24.48	906.60	906.56	5,998.97	5,934.16	64.81	92.566		
13,700.00	6,896.27	6,650.00	6,511.25	200.36	32.45	24.48	906.60	906.56	6,098.80	6,033.91	64.89	93.988		
13,800.00	6,897.30	6,650.00	6,511.25	203.18	32.45	24.48	906.60	906.56	6,198.63	6,133.66	64.97	95.406		
13,900.00	6,898.33	6,650.00	6,511.25	206.00	32.45	24.48	906.60	906.56	6,298.47	6,233.42	65.05	96.819		
14,000.00	6,899.36	6,650.00	6,511.25	208.82	32.45	24.48	906.60	906.56	6,398.32	6,333.18	65.14	98.228		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,900.39	6,650.00	6,511.25	211.64	32.45	24.48	906.60	906.56	6,498.17	6,432.94	65.22	99.632		
14,200.00	6,901.42	6,650.00	6,511.25	214.46	32.45	24.48	906.60	906.56	6,598.02	6,532.71	65.31	101.032		
14,300.00	6,902.45	6,650.00	6,511.25	217.28	32.45	24.48	906.60	906.56	6,697.88	6,632.49	65.39	102.427		
14,400.00	6,903.48	6,650.00	6,511.25	220.11	32.45	24.48	906.60	906.56	6,797.74	6,732.26	65.48	103.818		
14,500.00	6,904.52	6,650.00	6,511.25	222.93	32.45	24.48	906.60	906.56	6,897.61	6,832.04	65.56	105.204		
14,600.00	6,905.55	6,650.00	6,511.25	225.76	32.45	24.48	906.60	906.56	6,997.48	6,931.83	65.65	106.585		
14,700.00	6,906.58	6,650.00	6,511.25	228.58	32.45	24.48	906.60	906.56	7,097.35	7,031.61	65.74	107.962		
14,800.00	6,907.61	6,650.00	6,511.25	231.41	32.45	24.48	906.60	906.56	7,197.23	7,131.40	65.83	109.334		
14,900.00	6,908.64	6,650.00	6,511.25	234.24	32.45	24.48	906.60	906.56	7,297.11	7,231.19	65.92	110.701		
15,000.00	6,909.67	6,650.00	6,511.25	237.06	32.45	24.48	906.60	906.56	7,396.99	7,330.98	66.01	112.063		
15,100.00	6,910.70	6,650.00	6,511.25	239.89	32.45	24.48	906.60	906.56	7,496.88	7,430.78	66.10	113.421		
15,200.00	6,911.73	6,650.00	6,511.25	242.72	32.45	24.48	906.60	906.56	7,596.77	7,530.58	66.19	114.774		
15,300.00	6,912.76	6,650.00	6,511.25	245.55	32.45	24.48	906.60	906.56	7,696.66	7,630.38	66.28	116.122		
15,400.00	6,913.80	6,650.00	6,511.25	248.38	32.45	24.48	906.60	906.56	7,796.56	7,730.18	66.37	117.465		
15,500.00	6,914.83	6,650.00	6,511.25	251.21	32.45	24.48	906.60	906.56	7,896.46	7,829.99	66.47	118.803		
15,600.00	6,915.86	6,650.00	6,511.25	254.04	32.45	24.48	906.60	906.56	7,996.36	7,929.80	66.56	120.136		
15,700.00	6,916.89	6,650.00	6,511.25	256.88	32.45	24.48	906.60	906.56	8,096.26	8,029.60	66.66	121.464		
15,800.00	6,917.92	6,650.00	6,511.25	259.71	32.45	24.48	906.60	906.56	8,196.16	8,129.41	66.75	122.788		
15,900.00	6,918.95	6,650.00	6,511.25	262.54	32.45	24.48	906.60	906.56	8,296.07	8,229.23	66.85	124.106		
16,000.00	6,919.98	6,650.00	6,511.25	265.37	32.45	24.48	906.60	906.56	8,395.98	8,329.04	66.94	125.419		
16,100.00	6,921.01	6,650.00	6,511.25	268.21	32.45	24.48	906.60	906.56	8,495.89	8,428.85	67.04	126.728		
16,200.00	6,922.04	6,650.00	6,511.25	271.04	32.45	24.48	906.60	906.56	8,595.81	8,528.67	67.14	128.031		
16,300.00	6,923.08	6,650.00	6,511.25	273.88	32.45	24.48	906.60	906.56	8,695.72	8,628.49	67.24	129.329		
16,400.00	6,924.11	6,650.00	6,511.25	276.71	32.45	24.48	906.60	906.56	8,795.64	8,728.31	67.34	130.623		
16,500.00	6,925.14	6,650.00	6,511.25	279.55	32.45	24.48	906.60	906.56	8,895.56	8,828.13	67.44	131.911		
16,600.00	6,926.17	6,650.00	6,511.25	282.38	32.45	24.48	906.60	906.56	8,995.48	8,927.95	67.54	133.194		
16,700.00	6,927.20	6,650.00	6,511.25	285.22	32.45	24.48	906.60	906.56	9,095.41	9,027.77	67.64	134.472		
16,800.00	6,928.23	6,650.00	6,511.25	288.05	32.45	24.48	906.60	906.56	9,195.33	9,127.59	67.74	135.745		
16,900.00	6,929.26	6,650.00	6,511.25	290.89	32.45	24.48	906.60	906.56	9,295.26	9,227.42	67.84	137.012		
17,000.00	6,930.29	6,650.00	6,511.25	293.73	32.45	24.48	906.60	906.56	9,395.19	9,327.24	67.95	138.275		
17,100.00	6,931.32	6,650.00	6,511.25	296.56	32.45	24.48	906.60	906.56	9,495.12	9,427.07	68.05	139.533		
17,200.00	6,932.35	6,650.00	6,511.25	299.40	32.45	24.48	906.60	906.56	9,595.05	9,526.89	68.15	140.785		
17,300.00	6,933.39	6,650.00	6,511.25	302.24	32.45	24.48	906.60	906.56	9,694.98	9,626.72	68.26	142.032		
17,400.00	6,934.42	6,650.00	6,511.25	305.08	32.45	24.48	906.60	906.56	9,794.91	9,726.55	68.36	143.274		
17,500.00	6,935.45	6,650.00	6,511.25	307.92	32.45	24.48	906.60	906.56	9,894.85	9,826.38	68.47	144.511		
17,553.57	6,936.00	6,650.00	6,511.25	309.44	32.45	24.48	906.60	906.56	9,948.39	9,879.86	68.53	145.172		
17,553.96	6,936.00	6,650.00	6,511.25	309.45	32.45	24.48	906.60	906.56	9,948.77	9,880.25	68.53	145.176		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-169.44	-14.93	-2.78	15.19					
100.00	100.00	100.00	100.00	3.28	3.28	-169.44	-14.93	-2.78	15.19	8.62	6.57	2.312		
200.00	200.00	200.00	200.00	3.34	3.34	-169.44	-14.93	-2.78	15.19	8.52	6.67	2.276		
300.00	300.00	300.00	300.00	3.44	3.44	-169.44	-14.93	-2.78	15.19	8.30	6.89	2.205 CC		
400.00	399.98	400.49	400.47	3.60	3.60	-169.35	-13.41	-1.90	15.26	8.05	7.22	2.115 ES		
500.00	499.84	500.92	500.75	3.81	3.81	179.49	-8.84	0.75	15.88	8.24	7.64	2.079 SF		
600.00	599.45	601.15	600.60	4.06	4.06	163.54	-1.32	5.24	18.16	10.03	8.12	2.236		
700.00	698.70	701.05	699.75	4.34	4.34	147.68	8.73	12.05	23.68	15.02	8.66	2.735		
775.00	772.83	775.70	773.54	4.57	4.56	138.60	17.86	18.71	30.25	21.14	9.11	3.322		
800.00	797.48	800.53	798.01	4.65	4.64	136.07	21.20	21.22	32.80	23.54	9.26	3.542		
900.00	896.11	899.55	895.23	4.97	4.97	126.23	36.03	32.70	43.83	33.92	9.91	4.421		
1,000.00	994.74	997.92	991.12	5.31	5.32	117.16	53.15	46.41	56.73	46.11	10.62	5.343		
1,100.00	1,093.37	1,103.93	1,086.14	5.68	5.73	109.48	72.20	62.01	71.80	60.41	11.39	6.305		
1,200.00	1,192.00	1,205.48	1,181.37	6.06	6.15	104.32	91.51	77.85	87.86	75.69	12.17	7.219		
1,300.00	1,290.63	1,307.03	1,276.59	6.45	6.59	100.77	110.82	93.70	104.41	91.44	12.98	8.047		
1,400.00	1,389.26	1,408.59	1,371.82	6.86	7.03	98.19	130.13	109.55	121.24	107.44	13.80	8.786		
1,500.00	1,487.88	1,489.86	1,467.04	7.27	7.40	96.25	149.45	125.39	138.25	123.70	14.55	9.501		
1,600.00	1,586.51	1,588.31	1,562.26	7.69	7.85	94.73	168.76	141.24	155.39	140.00	15.39	10.096		
1,700.00	1,685.14	1,686.76	1,657.49	8.11	8.31	93.51	188.07	157.08	172.61	156.36	16.24	10.626		
1,800.00	1,783.77	1,785.20	1,752.71	8.54	8.77	92.51	207.38	172.93	189.89	172.78	17.11	11.101		
1,900.00	1,882.40	1,883.65	1,847.94	8.97	9.25	91.68	226.70	188.78	207.21	189.24	17.98	11.526		
2,000.00	1,981.03	1,982.10	1,943.16	9.41	9.72	90.98	246.01	204.62	224.57	205.72	18.86	11.910		
2,100.00	2,079.66	2,080.54	2,038.39	9.84	10.20	90.38	265.32	220.47	241.96	222.22	19.74	12.256		
2,200.00	2,178.28	2,178.99	2,133.61	10.29	10.68	89.86	284.63	236.32	259.38	238.74	20.64	12.570		
2,300.00	2,276.91	2,277.44	2,228.84	10.73	11.17	89.41	303.95	252.16	276.81	255.28	21.53	12.855		
2,400.00	2,375.54	2,375.88	2,324.06	11.18	11.65	89.01	323.26	268.01	294.25	271.82	22.44	13.116		
2,500.00	2,474.17	2,474.33	2,419.28	11.62	12.14	88.65	342.57	283.86	311.71	288.37	23.34	13.354		
2,600.00	2,572.80	2,572.78	2,514.51	12.07	12.64	88.33	361.88	299.70	329.18	304.93	24.25	13.574		
2,700.00	2,671.43	2,671.22	2,609.73	12.52	13.13	88.04	381.20	315.55	346.66	321.49	25.16	13.775		
2,800.00	2,770.05	2,769.67	2,704.96	12.97	13.62	87.79	400.51	331.40	364.14	338.06	26.08	13.962		
2,900.00	2,868.68	2,868.12	2,800.18	13.43	14.12	87.55	419.82	347.24	381.64	354.64	27.00	14.134		
3,000.00	2,967.31	2,966.56	2,895.41	13.88	14.62	87.34	439.13	363.09	399.13	371.21	27.92	14.295		
3,100.00	3,065.94	3,065.01	2,990.63	14.34	15.12	87.14	458.44	378.94	416.64	387.79	28.85	14.444		
3,200.00	3,164.57	3,163.46	3,085.86	14.79	15.62	86.96	477.76	394.78	434.14	404.37	29.77	14.583		
3,300.00	3,263.20	3,261.90	3,181.08	15.25	16.12	86.79	497.07	410.63	451.65	420.95	30.70	14.713		
3,400.00	3,361.83	3,360.35	3,276.30	15.71	16.62	86.64	516.38	426.48	469.17	437.54	31.63	14.834		
3,500.00	3,460.45	3,458.80	3,371.53	16.17	17.12	86.49	535.69	442.32	486.68	454.13	32.56	14.948		
3,600.00	3,559.08	3,557.24	3,466.75	16.62	17.62	86.36	555.01	458.17	504.20	470.71	33.49	15.055		
3,700.00	3,657.71	3,655.69	3,561.98	17.08	18.13	86.24	574.32	474.02	521.73	487.30	34.42	15.156		
3,800.00	3,756.34	3,754.14	3,657.20	17.54	18.63	86.12	593.63	489.86	539.25	503.89	35.36	15.251		
3,900.00	3,854.97	3,852.58	3,752.43	18.00	19.14	86.01	612.94	505.71	556.78	520.48	36.29	15.341		
4,000.00	3,953.60	3,951.03	3,847.65	18.46	19.64	85.91	632.26	521.55	574.31	537.08	37.23	15.426		
4,100.00	4,052.23	4,049.48	3,942.88	18.92	20.15	85.81	651.57	537.40	591.84	553.67	38.17	15.507		
4,200.00	4,150.85	4,147.92	4,038.10	19.39	20.66	85.72	670.88	553.25	609.37	570.26	39.11	15.583		
4,300.00	4,249.48	4,246.37	4,133.32	19.85	21.16	85.64	690.19	569.09	626.90	586.86	40.04	15.655		
4,400.00	4,348.11	4,344.82	4,228.55	20.31	21.67	85.56	709.51	584.94	644.43	603.45	40.98	15.724		
4,500.00	4,446.74	4,443.27	4,323.77	20.77	22.18	85.48	728.82	600.79	661.97	620.05	41.92	15.790		
4,600.00	4,545.37	4,541.71	4,419.00	21.23	22.68	85.41	748.13	616.63	679.51	636.64	42.87	15.852		
4,700.00	4,644.00	4,640.16	4,514.22	21.70	23.19	85.34	767.44	632.48	697.04	653.24	43.81	15.912		
4,800.00	4,742.63	4,738.61	4,609.45	22.16	23.70	85.27	786.76	648.33	714.58	669.83	44.75	15.968		
4,900.00	4,841.25	4,837.05	4,704.67	22.62	24.21	85.21	806.07	664.17	732.12	686.43	45.69	16.023		
5,000.00	4,939.88	4,935.50	4,799.89	23.09	24.72	85.15	825.38	680.02	749.66	703.03	46.64	16.075		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,033.95	4,895.12	23.55	25.23	85.09	844.69	695.87	767.20	719.62	47.58	16.124		
5,200.00	5,137.14	5,132.39	4,990.34	24.02	25.74	85.04	864.01	711.71	784.74	736.22	48.52	16.172		
5,300.00	5,235.77	5,230.84	5,085.57	24.48	26.25	84.99	883.32	727.56	802.29	752.82	49.47	16.218		
5,400.00	5,334.40	5,329.29	5,180.79	24.94	26.76	84.94	902.63	743.41	819.83	769.41	50.41	16.262		
5,500.00	5,433.03	5,427.73	5,276.02	25.41	27.27	84.89	921.94	759.25	837.37	786.01	51.36	16.304		
5,600.00	5,531.65	5,526.18	5,371.24	25.87	27.78	84.84	941.26	775.10	854.92	802.61	52.31	16.344		
5,700.00	5,630.28	5,624.63	5,466.47	26.34	28.29	84.80	960.57	790.95	872.46	819.21	53.25	16.384		
5,800.00	5,728.91	5,723.07	5,561.69	26.80	28.80	84.76	979.88	806.79	890.01	835.81	54.20	16.421		
5,900.00	5,827.54	5,821.52	5,656.91	27.27	29.31	84.72	999.19	822.64	907.55	852.40	55.15	16.457		
6,000.00	5,926.17	5,919.97	5,752.14	27.73	29.82	84.68	1,018.51	838.48	925.10	869.00	56.09	16.492		
6,100.00	6,024.80	6,018.41	5,847.36	28.20	30.33	84.64	1,037.82	854.33	942.64	885.60	57.04	16.526		
6,200.00	6,123.43	7,873.71	6,941.70	28.66	43.67	-0.45	1,209.93	-84.84	864.28	843.79	20.49	42.171		
6,272.77	6,195.20	7,873.33	6,941.70	29.00	43.66	-0.29	1,209.95	-84.46	792.55	771.32	21.23	37.325		
6,300.00	6,222.05	7,872.61	6,941.71	29.13	43.65	-27.55	1,209.98	-83.74	765.78	744.23	21.55	35.543		
6,350.00	6,271.23	7,868.25	6,941.75	29.36	43.58	-67.56	1,210.18	-79.39	716.90	694.74	22.16	32.354		
6,400.00	6,319.99	7,860.01	6,941.82	29.58	43.44	-93.20	1,210.56	-71.16	668.68	645.84	22.84	29.280		
6,450.00	6,368.01	7,847.93	6,941.93	29.79	43.24	-109.04	1,211.12	-59.09	621.44	597.84	23.60	26.330		
6,500.00	6,415.02	7,832.08	6,942.08	29.99	42.97	-119.08	1,211.85	-43.26	575.52	551.04	24.48	23.511		
6,550.00	6,460.71	7,812.57	6,942.26	30.18	42.65	-125.61	1,212.76	-23.77	531.24	505.75	25.49	20.839		
6,600.00	6,504.81	7,789.51	6,942.47	30.36	42.27	-129.90	1,213.82	-0.74	488.93	462.25	26.68	18.323		
6,650.00	6,547.04	7,763.04	6,942.71	30.53	41.87	-132.64	1,215.04	25.70	448.91	420.82	28.09	15.983		
6,700.00	6,587.14	7,733.33	6,942.98	30.69	41.41	-134.25	1,216.41	55.37	411.47	381.76	29.72	13.845		
6,750.00	6,624.87	7,700.57	6,943.28	30.83	40.91	-134.98	1,217.93	88.10	376.93	345.33	31.60	11.928		
6,800.00	6,660.00	7,664.95	6,943.60	30.96	40.41	-134.99	1,219.57	123.69	345.54	311.77	33.77	10.232		
6,850.00	6,692.30	7,626.69	6,943.95	31.07	39.88	-134.41	1,221.34	161.90	317.55	281.37	36.18	8.777		
6,900.00	6,721.58	7,586.03	6,944.32	31.23	39.34	-133.32	1,223.21	202.52	293.12	254.34	38.79	7.558		
6,950.00	6,747.66	7,543.22	6,944.71	31.56	38.82	-131.84	1,225.19	245.28	272.38	230.86	41.52	6.560		
7,000.00	6,770.37	7,491.98	6,944.87	31.92	38.22	-129.59	1,227.50	296.47	255.19	211.15	44.03	5.796		
7,050.00	6,789.58	7,427.52	6,940.26	32.33	37.53	-125.74	1,229.45	360.70	238.89	192.10	46.79	5.106		
7,100.00	6,805.17	7,366.86	6,930.12	32.78	36.93	-121.32	1,230.13	420.48	223.02	172.57	50.45	4.421		
7,150.00	6,817.03	7,309.57	6,915.46	33.27	36.42	-116.29	1,229.72	475.84	208.13	153.49	54.64	3.809		
7,200.00	6,825.11	7,255.25	6,897.11	33.80	35.99	-110.65	1,228.41	526.93	194.79	135.78	59.02	3.301		
7,250.00	6,829.35	7,203.54	6,875.74	34.37	35.63	-104.40	1,226.32	573.96	183.57	120.39	63.18	2.906		
7,273.12	6,830.00	7,180.42	6,864.99	34.65	35.49	-101.33	1,225.13	594.39	179.25	114.32	64.93	2.761		
7,300.00	6,830.28	7,154.44	6,852.05	34.98	35.33	-97.15	1,223.60	616.87	174.84	108.03	66.81	2.617		
7,390.51	6,831.21	7,076.02	6,807.73	36.19	34.91	-81.92	1,217.80	681.24	167.05	95.89	71.16	2.347		
7,400.00	6,831.31	7,068.58	6,803.13	36.32	34.88	-80.30	1,217.16	687.05	167.16	95.83	71.33	2.343		
7,500.00	6,832.34	6,998.29	6,756.50	37.83	34.57	-64.48	1,210.36	739.16	182.38	112.77	69.61	2.620		
7,600.00	6,833.37	6,940.99	6,714.53	39.49	34.34	-52.08	1,203.87	777.60	222.93	158.02	64.91	3.434		
7,700.00	6,834.40	6,894.09	6,677.79	41.27	34.17	-43.15	1,197.95	806.13	282.09	220.56	61.53	4.584		
7,800.00	6,835.44	6,855.39	6,646.00	43.17	34.04	-36.80	1,192.69	827.55	352.95	292.97	59.98	5.884		
7,900.00	6,836.47	6,823.14	6,618.58	45.17	33.93	-32.21	1,188.06	843.89	431.15	371.65	59.50	7.246		
8,000.00	6,837.50	6,800.00	6,598.44	47.26	33.85	-29.27	1,184.61	854.73	514.21	454.45	59.76	8.604		
8,100.00	6,838.53	6,772.86	6,574.34	49.43	33.76	-26.19	1,180.42	866.49	600.57	540.81	59.76	10.049		
8,200.00	6,839.56	6,750.00	6,553.69	51.66	33.69	-23.85	1,176.79	875.58	689.39	629.45	59.95	11.500		
8,300.00	6,840.59	6,735.80	6,540.70	53.95	33.64	-22.51	1,174.49	880.85	780.01	719.61	60.39	12.916		
8,400.00	6,841.62	6,720.76	6,526.83	56.29	33.59	-21.18	1,172.01	886.10	872.04	811.34	60.70	14.366		
8,500.00	6,842.65	6,700.00	6,507.49	58.67	33.52	-19.48	1,168.53	892.81	965.24	904.47	60.78	15.882		
8,600.00	6,843.68	6,700.00	6,507.49	61.10	33.52	-19.48	1,168.53	892.81	1,059.22	997.87	61.35	17.266		
8,700.00	6,844.71	6,685.32	6,493.70	63.56	33.47	-18.36	1,166.03	897.16	1,153.94	1,092.47	61.48	18.770		
8,800.00	6,845.75	6,675.93	6,484.83	66.05	33.44	-17.68	1,164.41	899.78	1,249.29	1,187.61	61.69	20.252		
8,900.00	6,846.78	6,667.46	6,476.80	68.58	33.41	-17.09	1,162.94	902.02	1,345.15	1,283.27	61.88	21.738		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,847.81	6,650.00	6,460.15	71.12	33.35	-15.93	1,159.88	906.31	1,441.53	1,379.64	61.89	23.294		
9,100.00	6,848.84	6,650.00	6,460.15	73.69	33.35	-15.93	1,159.88	906.31	1,538.07	1,475.90	62.17	24.741		
9,200.00	6,849.87	6,650.00	6,460.15	76.28	33.35	-15.93	1,159.88	906.31	1,635.03	1,572.62	62.41	26.199		
9,300.00	6,850.90	6,650.00	6,460.15	78.89	33.35	-15.93	1,159.88	906.31	1,732.33	1,669.71	62.62	27.665		
9,400.00	6,851.93	6,650.00	6,460.15	81.51	33.35	-15.93	1,159.88	906.31	1,829.92	1,767.12	62.80	29.137		
9,500.00	6,852.96	6,630.24	6,441.18	84.15	33.28	-14.71	1,156.36	910.59	1,927.36	1,864.63	62.73	30.727		
9,600.00	6,853.99	6,625.64	6,436.75	86.80	33.27	-14.44	1,155.53	911.50	2,025.20	1,962.37	62.83	32.231		
9,700.00	6,855.03	6,621.37	6,432.63	89.46	33.25	-14.19	1,154.77	912.32	2,123.21	2,060.28	62.93	33.737		
9,800.00	6,856.06	6,600.00	6,411.94	92.14	33.18	-13.02	1,150.89	915.99	2,221.67	2,158.83	62.84	35.352		
9,900.00	6,857.09	6,600.00	6,411.94	94.83	33.18	-13.02	1,150.89	915.99	2,319.84	2,256.85	62.98	36.833		
10,000.00	6,858.12	6,600.00	6,411.94	97.52	33.18	-13.02	1,150.89	915.99	2,418.15	2,355.04	63.11	38.316		
10,100.00	6,859.15	6,600.00	6,411.94	100.23	33.18	-13.02	1,150.89	915.99	2,516.60	2,453.37	63.23	39.800		
10,200.00	6,860.18	6,600.00	6,411.94	102.94	33.18	-13.02	1,150.89	915.99	2,615.17	2,551.83	63.34	41.286		
10,300.00	6,861.21	6,600.00	6,411.94	105.66	33.18	-13.02	1,150.89	915.99	2,713.84	2,650.39	63.45	42.772		
10,400.00	6,862.24	6,600.00	6,411.94	108.39	33.18	-13.02	1,150.89	915.99	2,812.60	2,749.06	63.55	44.258		
10,500.00	6,863.27	6,600.00	6,411.94	111.12	33.18	-13.02	1,150.89	915.99	2,911.45	2,847.81	63.65	45.744		
10,600.00	6,864.30	6,600.00	6,411.94	113.86	33.18	-13.02	1,150.89	915.99	3,010.38	2,946.64	63.74	47.230		
10,700.00	6,865.34	6,600.00	6,411.94	116.60	33.18	-13.02	1,150.89	915.99	3,109.37	3,045.55	63.83	48.715		
10,800.00	6,866.37	6,600.00	6,411.94	119.35	33.18	-13.02	1,150.89	915.99	3,208.43	3,144.52	63.92	50.198		
10,900.00	6,867.40	6,600.00	6,411.94	122.11	33.18	-13.02	1,150.89	915.99	3,307.54	3,243.55	64.00	51.681		
11,000.00	6,868.43	6,600.00	6,411.94	124.87	33.18	-13.02	1,150.89	915.99	3,406.71	3,342.63	64.08	53.162		
11,100.00	6,869.46	6,600.00	6,411.94	127.63	33.18	-13.02	1,150.89	915.99	3,505.92	3,441.76	64.16	54.641		
11,200.00	6,870.49	6,600.00	6,411.94	130.40	33.18	-13.02	1,150.89	915.99	3,605.18	3,540.94	64.24	56.119		
11,300.00	6,871.52	6,600.00	6,411.94	133.17	33.18	-13.02	1,150.89	915.99	3,704.48	3,640.16	64.32	57.594		
11,400.00	6,872.55	6,577.94	6,390.48	135.94	33.09	-11.91	1,146.83	919.03	3,803.36	3,739.12	64.24	59.204		
11,500.00	6,873.58	6,576.40	6,388.97	138.72	33.09	-11.83	1,146.54	919.22	3,902.67	3,838.36	64.31	60.685		
11,600.00	6,874.62	6,574.92	6,387.52	141.50	33.08	-11.76	1,146.26	919.39	4,002.00	3,937.63	64.38	62.164		
11,700.00	6,875.65	6,573.50	6,386.14	144.28	33.08	-11.69	1,146.00	919.55	4,101.37	4,036.92	64.45	63.640		
11,800.00	6,876.68	6,572.14	6,384.81	147.07	33.07	-11.63	1,145.75	919.71	4,200.76	4,136.24	64.52	65.113		
11,900.00	6,877.71	6,550.00	6,363.16	149.85	32.99	-10.62	1,141.61	921.80	4,300.56	4,236.11	64.45	66.729		
12,000.00	6,878.74	6,550.00	6,363.16	152.65	32.99	-10.62	1,141.61	921.80	4,399.96	4,335.43	64.53	68.187		
12,100.00	6,879.77	6,550.00	6,363.16	155.44	32.99	-10.62	1,141.61	921.80	4,499.38	4,434.77	64.61	69.643		
12,200.00	6,880.80	6,550.00	6,363.16	158.23	32.99	-10.62	1,141.61	921.80	4,598.82	4,534.14	64.68	71.096		
12,300.00	6,881.83	6,550.00	6,363.16	161.03	32.99	-10.62	1,141.61	921.80	4,698.29	4,633.53	64.76	72.546		
12,400.00	6,882.86	6,550.00	6,363.16	163.83	32.99	-10.62	1,141.61	921.80	4,797.78	4,732.94	64.84	73.993		
12,500.00	6,883.89	6,550.00	6,363.16	166.63	32.99	-10.62	1,141.61	921.80	4,897.29	4,832.37	64.92	75.437		
12,600.00	6,884.93	6,550.00	6,363.16	169.43	32.99	-10.62	1,141.61	921.80	4,996.82	4,931.82	65.00	76.877		
12,700.00	6,885.96	6,550.00	6,363.16	172.24	32.99	-10.62	1,141.61	921.80	5,096.37	5,031.29	65.08	78.314		
12,800.00	6,886.99	6,550.00	6,363.16	175.04	32.99	-10.62	1,141.61	921.80	5,195.94	5,130.78	65.15	79.748		
12,900.00	6,888.02	6,550.00	6,363.16	177.85	32.99	-10.62	1,141.61	921.80	5,295.52	5,230.29	65.23	81.178		
13,000.00	6,889.05	6,550.00	6,363.16	180.66	32.99	-10.62	1,141.61	921.80	5,395.12	5,329.80	65.31	82.605		
13,100.00	6,890.08	6,550.00	6,363.16	183.47	32.99	-10.62	1,141.61	921.80	5,494.73	5,429.34	65.39	84.028		
13,200.00	6,891.11	6,550.00	6,363.16	186.28	32.99	-10.62	1,141.61	921.80	5,594.36	5,528.88	65.47	85.447		
13,300.00	6,892.14	6,550.00	6,363.16	189.10	32.99	-10.62	1,141.61	921.80	5,694.00	5,628.44	65.55	86.863		
13,400.00	6,893.17	6,550.00	6,363.16	191.91	32.99	-10.62	1,141.61	921.80	5,793.65	5,728.02	65.63	88.275		
13,500.00	6,894.21	6,550.00	6,363.16	194.73	32.99	-10.62	1,141.61	921.80	5,893.31	5,827.60	65.71	89.682		
13,600.00	6,895.24	6,550.00	6,363.16	197.54	32.99	-10.62	1,141.61	921.80	5,992.99	5,927.19	65.79	91.086		
13,700.00	6,896.27	6,550.00	6,363.16	200.36	32.99	-10.62	1,141.61	921.80	6,092.67	6,026.80	65.88	92.486		
13,800.00	6,897.30	6,550.00	6,363.16	203.18	32.99	-10.62	1,141.61	921.80	6,192.37	6,126.41	65.96	93.882		
13,900.00	6,898.33	6,550.00	6,363.16	206.00	32.99	-10.62	1,141.61	921.80	6,292.07	6,226.03	66.04	95.274		
14,000.00	6,899.36	6,550.00	6,363.16	208.82	32.99	-10.62	1,141.61	921.80	6,391.79	6,325.66	66.13	96.662		
14,100.00	6,900.39	6,550.00	6,363.16	211.64	32.99	-10.62	1,141.61	921.80	6,491.51	6,425.30	66.21	98.045		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,901.42	6,550.00	6,363.16	214.46	32.99	-10.62	1,141.61	921.80	6,591.24	6,524.95	66.29	99.425		
14,300.00	6,902.45	6,550.00	6,363.16	217.28	32.99	-10.62	1,141.61	921.80	6,690.98	6,624.60	66.38	100.800		
14,400.00	6,903.48	6,550.00	6,363.16	220.11	32.99	-10.62	1,141.61	921.80	6,790.73	6,724.27	66.46	102.170		
14,500.00	6,904.52	6,550.00	6,363.16	222.93	32.99	-10.62	1,141.61	921.80	6,890.49	6,823.94	66.55	103.537		
14,600.00	6,905.55	6,550.00	6,363.16	225.76	32.99	-10.62	1,141.61	921.80	6,990.25	6,923.61	66.64	104.899		
14,700.00	6,906.58	6,550.00	6,363.16	228.58	32.99	-10.62	1,141.61	921.80	7,090.02	7,023.29	66.73	106.257		
14,800.00	6,907.61	6,550.00	6,363.16	231.41	32.99	-10.62	1,141.61	921.80	7,189.79	7,122.98	66.81	107.610		
14,900.00	6,908.64	6,550.00	6,363.16	234.24	32.99	-10.62	1,141.61	921.80	7,289.57	7,222.67	66.90	108.959		
15,000.00	6,909.67	6,550.00	6,363.16	237.06	32.99	-10.62	1,141.61	921.80	7,389.36	7,322.37	66.99	110.303		
15,100.00	6,910.70	6,550.00	6,363.16	239.89	32.99	-10.62	1,141.61	921.80	7,489.15	7,422.07	67.08	111.642		
15,200.00	6,911.73	6,550.00	6,363.16	242.72	32.99	-10.62	1,141.61	921.80	7,588.95	7,521.78	67.17	112.978		
15,300.00	6,912.76	6,550.00	6,363.16	245.55	32.99	-10.62	1,141.61	921.80	7,688.75	7,621.49	67.26	114.308		
15,400.00	6,913.80	6,550.00	6,363.16	248.38	32.99	-10.62	1,141.61	921.80	7,788.56	7,721.21	67.36	115.634		
15,500.00	6,914.83	6,550.00	6,363.16	251.21	32.99	-10.62	1,141.61	921.80	7,888.38	7,820.93	67.45	116.955		
15,600.00	6,915.86	6,550.00	6,363.16	254.04	32.99	-10.62	1,141.61	921.80	7,988.19	7,920.65	67.54	118.272		
15,700.00	6,916.89	6,550.00	6,363.16	256.88	32.99	-10.62	1,141.61	921.80	8,088.02	8,020.38	67.63	119.584		
15,800.00	6,917.92	6,550.00	6,363.16	259.71	32.99	-10.62	1,141.61	921.80	8,187.84	8,120.11	67.73	120.891		
15,900.00	6,918.95	6,550.00	6,363.16	262.54	32.99	-10.62	1,141.61	921.80	8,287.67	8,219.85	67.82	122.193		
16,000.00	6,919.98	6,550.00	6,363.16	265.37	32.99	-10.62	1,141.61	921.80	8,387.51	8,319.59	67.92	123.491		
16,100.00	6,921.01	6,550.00	6,363.16	268.21	32.99	-10.62	1,141.61	921.80	8,487.35	8,419.33	68.02	124.784		
16,200.00	6,922.04	6,550.00	6,363.16	271.04	32.99	-10.62	1,141.61	921.80	8,587.19	8,519.08	68.11	126.072		
16,300.00	6,923.08	6,550.00	6,363.16	273.88	32.99	-10.62	1,141.61	921.80	8,687.04	8,618.83	68.21	127.356		
16,400.00	6,924.11	6,550.00	6,363.16	276.71	32.99	-10.62	1,141.61	921.80	8,786.89	8,718.58	68.31	128.634		
16,500.00	6,925.14	6,550.00	6,363.16	279.55	32.99	-10.62	1,141.61	921.80	8,886.74	8,818.33	68.41	129.908		
16,600.00	6,926.17	6,550.00	6,363.16	282.38	32.99	-10.62	1,141.61	921.80	8,986.60	8,918.09	68.51	131.176		
16,700.00	6,927.20	6,550.00	6,363.16	285.22	32.99	-10.62	1,141.61	921.80	9,086.46	9,017.85	68.61	132.440		
16,800.00	6,928.23	6,550.00	6,363.16	288.05	32.99	-10.62	1,141.61	921.80	9,186.32	9,117.61	68.71	133.699		
16,900.00	6,929.26	6,550.00	6,363.16	290.89	32.99	-10.62	1,141.61	921.80	9,286.18	9,217.37	68.81	134.954		
17,000.00	6,930.29	6,550.00	6,363.16	293.73	32.99	-10.62	1,141.61	921.80	9,386.05	9,317.14	68.91	136.203		
17,100.00	6,931.32	6,550.00	6,363.16	296.56	32.99	-10.62	1,141.61	921.80	9,485.92	9,416.91	69.02	137.447		
17,200.00	6,932.35	6,550.00	6,363.16	299.40	32.99	-10.62	1,141.61	921.80	9,585.80	9,516.68	69.12	138.687		
17,300.00	6,933.39	6,550.00	6,363.16	302.24	32.99	-10.62	1,141.61	921.80	9,685.67	9,616.45	69.22	139.921		
17,400.00	6,934.42	6,550.00	6,363.16	305.08	32.99	-10.62	1,141.61	921.80	9,785.55	9,716.23	69.33	141.151		
17,500.00	6,935.45	6,550.00	6,363.16	307.92	32.99	-10.62	1,141.61	921.80	9,885.43	9,816.00	69.43	142.375		
17,553.57	6,936.00	6,550.00	6,363.16	309.44	32.99	-10.62	1,141.61	921.80	9,938.94	9,869.46	69.49	143.029		
17,553.96	6,936.00	6,550.00	6,363.16	309.45	32.99	-10.62	1,141.61	921.80	9,939.33	9,869.84	69.49	143.034		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-172.92	-44.80	-5.57	45.15					
100.00	100.00	100.00	100.00	3.28	3.28	-172.92	-44.80	-5.57	45.15	38.58	6.57	6.873		
200.00	200.00	200.00	200.00	3.34	3.34	-172.92	-44.80	-5.57	45.15	38.48	6.67	6.765		
300.00	300.00	300.00	300.00	3.44	3.44	-172.92	-44.80	-5.57	45.15	38.26	6.89	6.553 CC, ES		
400.00	399.98	401.20	401.18	3.60	3.60	-170.82	-43.59	-4.26	45.53	38.32	7.21	6.312		
500.00	499.84	502.26	502.09	3.81	3.81	-176.21	-39.94	-0.35	46.95	39.32	7.63	6.153		
600.00	599.45	603.04	602.48	4.06	4.06	175.66	-33.88	6.14	50.16	42.03	8.12	6.174		
700.00	698.70	703.41	702.08	4.34	4.34	166.15	-25.47	15.17	56.06	47.38	8.68	6.461		
775.00	772.83	778.34	776.12	4.57	4.57	159.05	-17.63	23.57	62.70	53.57	9.13	6.869		
800.00	797.48	803.24	800.66	4.65	4.65	156.78	-14.74	26.68	65.27	55.99	9.29	7.030		
900.00	896.11	902.52	898.09	4.97	4.98	147.71	-1.75	40.60	76.10	66.16	9.94	7.658		
1,000.00	994.74	1,001.14	994.54	5.31	5.34	139.95	12.28	55.65	88.34	77.70	10.63	8.307		
1,100.00	1,093.37	1,100.23	1,091.00	5.68	5.72	134.14	26.31	70.69	101.79	90.42	11.37	8.953		
1,200.00	1,192.00	1,201.60	1,187.46	6.06	6.12	129.70	40.34	85.74	116.03	103.89	12.14	9.555		
1,300.00	1,290.63	1,302.97	1,283.92	6.45	6.54	126.25	54.37	100.79	130.81	117.87	12.94	10.108		
1,400.00	1,389.26	1,404.35	1,380.37	6.86	6.97	123.50	68.40	115.83	145.96	132.20	13.76	10.610		
1,500.00	1,487.88	1,505.72	1,476.83	7.27	7.41	121.27	82.43	130.88	161.37	146.78	14.59	11.061		
1,600.00	1,586.51	1,607.09	1,573.29	7.69	7.86	119.43	96.46	145.92	176.99	161.55	15.44	11.466		
1,700.00	1,685.14	1,708.46	1,669.75	8.11	8.31	117.89	110.49	160.97	192.75	176.46	16.29	11.830		
1,800.00	1,783.77	1,809.84	1,766.20	8.54	8.77	116.58	124.52	176.02	208.63	191.47	17.16	12.157		
1,900.00	1,882.40	1,888.79	1,862.66	8.97	9.13	115.46	138.56	191.06	224.60	206.67	17.94	12.522		
2,000.00	1,981.03	1,987.42	1,959.12	9.41	9.58	114.49	152.59	206.11	240.65	221.84	18.81	12.796		
2,100.00	2,079.66	2,086.05	2,055.58	9.84	10.04	113.64	166.62	221.16	256.75	237.07	19.68	13.045		
2,200.00	2,178.28	2,184.67	2,152.04	10.29	10.50	112.88	180.65	236.20	272.90	252.34	20.56	13.271		
2,300.00	2,276.91	2,283.30	2,248.49	10.73	10.97	112.22	194.68	251.25	289.10	267.64	21.45	13.477		
2,400.00	2,375.54	2,381.93	2,344.95	11.18	11.43	111.62	208.71	266.29	305.32	282.98	22.34	13.666		
2,500.00	2,474.17	2,480.55	2,441.41	11.62	11.90	111.08	222.74	281.34	321.58	298.34	23.24	13.839		
2,600.00	2,572.80	2,579.18	2,537.87	12.07	12.37	110.60	236.77	296.39	337.86	313.72	24.14	13.999		
2,700.00	2,671.43	2,677.81	2,634.33	12.52	12.84	110.16	250.80	311.43	354.16	329.12	25.04	14.146		
2,800.00	2,770.05	2,776.44	2,730.78	12.97	13.31	109.76	264.83	326.48	370.48	344.54	25.94	14.282		
2,900.00	2,868.68	2,875.06	2,827.24	13.43	13.78	109.39	278.86	341.53	386.82	359.97	26.85	14.408		
3,000.00	2,967.31	2,973.69	2,923.70	13.88	14.26	109.05	292.90	356.57	403.17	375.41	27.76	14.526		
3,100.00	3,065.94	3,072.32	3,020.16	14.34	14.73	108.74	306.93	371.62	419.53	390.87	28.67	14.635		
3,200.00	3,164.57	3,170.95	3,116.61	14.79	15.21	108.45	320.96	386.66	435.91	406.33	29.58	14.737		
3,300.00	3,263.20	3,269.57	3,213.07	15.25	15.69	108.19	334.99	401.71	452.29	421.80	30.49	14.833		
3,400.00	3,361.83	3,368.20	3,309.53	15.71	16.16	107.94	349.02	416.76	468.69	437.28	31.41	14.922		
3,500.00	3,460.45	3,466.83	3,405.99	16.17	16.64	107.71	363.05	431.80	485.09	452.76	32.33	15.006		
3,600.00	3,559.08	3,565.46	3,502.45	16.62	17.12	107.49	377.08	446.85	501.50	468.25	33.24	15.086		
3,700.00	3,657.71	3,664.08	3,598.90	17.08	17.60	107.29	391.11	461.90	517.91	483.75	34.16	15.160		
3,800.00	3,756.34	3,762.71	3,695.36	17.54	18.08	107.10	405.14	476.94	534.33	499.25	35.08	15.230		
3,900.00	3,854.97	3,861.34	3,791.82	18.00	18.56	106.92	419.17	491.99	550.76	514.75	36.00	15.297		
4,000.00	3,953.60	3,959.97	3,888.28	18.46	19.04	106.75	433.20	507.03	567.19	530.26	36.93	15.360		
4,100.00	4,052.23	4,058.59	3,984.74	18.92	19.53	106.59	447.23	522.08	583.63	545.78	37.85	15.419		
4,200.00	4,150.85	4,157.22	4,081.19	19.39	20.01	106.44	461.27	537.13	600.07	561.29	38.77	15.476		
4,300.00	4,249.48	4,255.85	4,177.65	19.85	20.49	106.30	475.30	552.17	616.51	576.81	39.70	15.529		
4,400.00	4,348.11	4,354.48	4,274.11	20.31	20.97	106.16	489.33	567.22	632.96	592.33	40.63	15.580		
4,500.00	4,446.74	4,453.10	4,370.57	20.77	21.46	106.04	503.36	582.27	649.41	607.86	41.55	15.629		
4,600.00	4,545.37	4,551.73	4,467.02	21.23	21.94	105.91	517.39	597.31	665.86	623.38	42.48	15.675		
4,700.00	4,644.00	4,650.36	4,563.48	21.70	22.42	105.80	531.42	612.36	682.32	638.91	43.41	15.720		
4,800.00	4,742.63	4,748.99	4,659.94	22.16	22.91	105.69	545.45	627.40	698.78	654.44	44.33	15.762		
4,900.00	4,841.25	4,847.61	4,756.40	22.62	23.39	105.58	559.48	642.45	715.24	669.98	45.26	15.802		
5,000.00	4,939.88	4,946.24	4,852.86	23.09	23.88	105.48	573.51	657.50	731.70	685.51	46.19	15.841		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,044.87	4,949.31	23.55	24.36	105.38	587.54	672.54	748.17	701.05	47.12	15.878		
5,200.00	5,137.14	5,143.50	5,045.77	24.02	24.85	105.29	601.57	687.59	764.64	716.59	48.05	15.913		
5,300.00	5,235.77	5,242.12	5,142.23	24.48	25.33	105.20	615.60	702.64	781.11	732.13	48.98	15.947		
5,400.00	5,334.40	5,340.75	5,238.69	24.94	25.82	105.12	629.64	717.68	797.58	747.67	49.91	15.980		
5,500.00	5,433.03	5,439.38	5,335.15	25.41	26.30	105.04	643.67	732.73	814.05	763.21	50.84	16.011		
5,600.00	5,531.65	5,538.01	5,431.60	25.87	26.79	104.96	657.70	747.77	830.53	778.75	51.77	16.042		
5,700.00	5,630.28	5,636.63	5,528.06	26.34	27.27	104.89	671.73	762.82	847.00	794.30	52.70	16.071		
5,800.00	5,728.91	5,735.26	5,624.52	26.80	27.76	104.81	685.76	777.87	863.48	809.84	53.64	16.099		
5,900.00	5,827.54	5,833.89	5,720.98	27.27	28.24	104.74	699.79	792.91	879.96	825.39	54.57	16.126		
6,000.00	5,926.17	5,932.52	5,817.43	27.73	28.73	104.68	713.82	807.96	896.44	840.94	55.50	16.152		
6,100.00	6,024.80	6,031.14	5,913.89	28.20	29.22	104.61	727.85	823.01	912.92	856.48	56.43	16.177		
6,200.00	6,123.43	7,828.60	7,012.00	28.66	42.19	-177.47	838.24	-68.63	893.56	871.02	22.55	39.634		
6,272.77	6,195.20	7,828.16	7,012.00	29.00	42.18	-177.57	838.26	-68.20	823.68	799.83	23.85	34.543		
6,300.00	6,222.05	7,827.42	7,012.01	29.13	42.17	175.62	838.30	-67.45	797.67	773.28	24.39	32.703		
6,350.00	6,271.23	7,823.03	7,012.05	29.36	42.10	165.12	838.51	-63.07	750.26	724.79	25.47	29.458		
6,400.00	6,319.99	7,814.75	7,012.13	29.58	41.96	159.33	838.90	-54.80	703.59	676.94	26.65	26.399		
6,450.00	6,368.01	7,802.63	7,012.25	29.79	41.75	156.55	839.48	-42.69	657.99	630.03	27.96	23.533		
6,500.00	6,415.02	7,786.74	7,012.40	29.99	41.50	155.08	840.24	-26.83	613.80	584.38	29.41	20.870		
6,550.00	6,460.71	7,767.20	7,012.59	30.18	41.20	154.05	841.17	-7.31	571.31	540.30	31.01	18.421		
6,600.00	6,504.81	7,744.10	7,012.82	30.36	40.83	153.10	842.27	15.76	530.85	498.07	32.78	16.195		
6,650.00	6,547.04	7,717.60	7,013.07	30.53	40.42	152.06	843.54	42.23	492.71	458.00	34.71	14.197		
6,700.00	6,587.14	7,687.87	7,013.36	30.69	39.98	150.87	844.95	71.93	457.14	420.35	36.79	12.427		
6,750.00	6,624.87	7,655.08	7,013.67	30.83	39.51	149.50	846.52	104.68	424.38	385.37	39.01	10.879		
6,800.00	6,660.00	7,619.43	7,014.02	30.96	39.01	147.95	848.22	140.29	394.63	353.31	41.32	9.550		
6,850.00	6,692.30	7,581.15	7,014.39	31.07	38.50	146.24	850.05	178.52	368.02	324.33	43.68	8.425		
6,900.00	6,721.58	7,540.47	7,014.78	31.23	37.99	144.42	851.99	219.15	344.61	298.59	46.03	7.487		
6,950.00	6,747.66	7,485.62	7,014.52	31.56	37.33	141.68	854.49	273.93	324.06	275.94	48.12	6.734		
7,000.00	6,770.37	7,420.13	7,008.57	31.92	36.61	137.75	856.69	339.09	303.89	253.26	50.63	6.002		
7,050.00	6,789.58	7,359.53	6,997.18	32.33	35.98	133.58	857.88	398.57	284.13	230.40	53.73	5.288		
7,100.00	6,805.17	7,303.08	6,981.58	32.78	35.45	129.11	858.24	452.80	265.33	208.20	57.14	4.644		
7,150.00	6,817.03	7,250.15	6,962.69	33.27	35.00	124.31	857.93	502.23	248.04	187.47	60.57	4.095		
7,200.00	6,825.11	7,200.19	6,941.19	33.80	34.62	119.15	857.05	547.31	232.79	169.01	63.78	3.650		
7,250.00	6,829.35	7,152.75	6,917.60	34.37	34.29	113.65	855.69	588.43	220.14	153.63	66.51	3.310		
7,273.12	6,830.00	7,131.56	6,906.10	34.65	34.16	111.00	854.93	606.21	215.30	147.75	67.54	3.188		
7,300.00	6,830.28	7,107.82	6,892.52	34.98	34.02	107.34	853.96	625.66	210.47	141.92	68.55	3.070		
7,387.04	6,831.18	7,039.24	6,849.42	36.15	33.64	95.16	850.47	678.85	202.75	132.82	69.93	2.899 SF		
7,400.00	6,831.31	7,030.04	6,843.22	36.32	33.59	93.38	849.93	685.61	202.94	133.13	69.82	2.907		
7,500.00	6,832.34	6,966.89	6,798.11	37.83	33.29	80.78	845.73	729.58	218.78	152.11	66.67	3.282		
7,600.00	6,833.37	6,915.53	6,758.41	39.49	33.07	70.77	841.74	761.89	258.97	196.77	62.21	4.163		
7,700.00	6,834.40	6,873.46	6,724.07	41.27	32.90	63.25	838.11	785.90	317.44	258.18	59.26	5.357		
7,800.00	6,835.44	6,838.65	6,694.52	43.17	32.76	57.68	834.87	804.01	387.76	329.80	57.96	6.691		
7,900.00	6,836.47	6,809.53	6,669.08	45.17	32.65	53.50	832.00	817.90	465.65	408.05	57.60	8.084		
8,000.00	6,837.50	6,784.91	6,647.11	47.26	32.56	50.30	829.46	828.71	548.54	490.85	57.70	9.508		
8,100.00	6,838.53	6,763.88	6,628.03	49.43	32.48	47.80	827.22	837.27	634.89	576.92	57.97	10.952		
8,200.00	6,839.56	6,750.00	6,615.30	51.66	32.43	46.26	825.71	842.57	723.75	665.30	58.45	12.382		
8,300.00	6,840.59	6,729.97	6,596.72	53.95	32.36	44.19	823.47	849.72	814.41	755.77	58.64	13.888		
8,400.00	6,841.62	6,716.14	6,583.77	56.29	32.31	42.86	821.90	854.31	906.52	847.55	58.96	15.374		
8,500.00	6,842.65	6,700.00	6,568.54	58.67	32.25	41.39	820.02	859.31	999.75	940.58	59.17	16.896		
8,600.00	6,843.68	6,700.00	6,568.54	61.10	32.25	41.39	820.02	859.31	1,093.90	1,034.22	59.67	18.332		
8,700.00	6,844.71	6,683.35	6,552.71	63.56	32.19	39.98	818.05	864.06	1,188.66	1,128.89	59.77	19.887		
8,800.00	6,845.75	6,674.62	6,544.36	66.05	32.16	39.28	817.01	866.38	1,284.09	1,224.10	59.99	21.405		
8,900.00	6,846.78	6,666.73	6,536.79	68.58	32.13	38.67	816.05	868.38	1,380.01	1,319.82	60.19	22.928		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,847.81	6,650.00	6,520.65	71.12	32.07	37.43	814.01	872.31	1,476.46	1,416.22	60.24	24.512		
9,100.00	6,848.84	6,650.00	6,520.65	73.69	32.07	37.43	814.01	872.31	1,573.06	1,512.57	60.50	26.003		
9,200.00	6,849.87	6,650.00	6,520.65	76.28	32.07	37.43	814.01	872.31	1,670.07	1,609.35	60.72	27.504		
9,300.00	6,850.90	6,650.00	6,520.65	78.89	32.07	37.43	814.01	872.31	1,767.41	1,706.49	60.92	29.012		
9,400.00	6,851.93	6,650.00	6,520.65	81.51	32.07	37.43	814.01	872.31	1,865.04	1,803.94	61.10	30.526		
9,500.00	6,852.96	6,631.82	6,503.02	84.15	32.00	36.18	811.74	876.09	1,962.56	1,901.48	61.07	32.134		
9,600.00	6,853.99	6,627.49	6,498.80	86.80	31.99	35.89	811.20	876.92	2,060.45	1,999.26	61.19	33.674		
9,700.00	6,855.03	6,623.45	6,494.87	89.46	31.97	35.63	810.69	877.66	2,158.49	2,097.20	61.29	35.215		
9,800.00	6,856.06	6,619.70	6,491.20	92.14	31.96	35.39	810.22	878.33	2,256.69	2,195.29	61.40	36.756		
9,900.00	6,857.09	6,600.00	6,471.92	94.83	31.89	34.20	807.70	881.49	2,355.26	2,293.90	61.36	38.383		
10,000.00	6,858.12	6,600.00	6,471.92	97.52	31.89	34.20	807.70	881.49	2,453.60	2,392.11	61.49	39.905		
10,100.00	6,859.15	6,600.00	6,471.92	100.23	31.89	34.20	807.70	881.49	2,552.06	2,490.46	61.60	41.428		
10,200.00	6,860.18	6,600.00	6,471.92	102.94	31.89	34.20	807.70	881.49	2,650.64	2,588.93	61.71	42.951		
10,300.00	6,861.21	6,600.00	6,471.92	105.66	31.89	34.20	807.70	881.49	2,749.32	2,687.51	61.82	44.475		
10,400.00	6,862.24	6,600.00	6,471.92	108.39	31.89	34.20	807.70	881.49	2,848.10	2,786.18	61.92	45.999		
10,500.00	6,863.27	6,600.00	6,471.92	111.12	31.89	34.20	807.70	881.49	2,946.96	2,884.94	62.01	47.522		
10,600.00	6,864.30	6,600.00	6,471.92	113.86	31.89	34.20	807.70	881.49	3,045.89	2,983.78	62.10	49.045		
10,700.00	6,865.34	6,600.00	6,471.92	116.60	31.89	34.20	807.70	881.49	3,144.89	3,082.69	62.19	50.566		
10,800.00	6,866.37	6,600.00	6,471.92	119.35	31.89	34.20	807.70	881.49	3,243.95	3,181.67	62.28	52.086		
10,900.00	6,867.40	6,600.00	6,471.92	122.11	31.89	34.20	807.70	881.49	3,343.06	3,280.70	62.36	53.605		
11,000.00	6,868.43	6,600.00	6,471.92	124.87	31.89	34.20	807.70	881.49	3,442.23	3,379.78	62.45	55.122		
11,100.00	6,869.46	6,600.00	6,471.92	127.63	31.89	34.20	807.70	881.49	3,541.44	3,478.92	62.53	56.638		
11,200.00	6,870.49	6,600.00	6,471.92	130.40	31.89	34.20	807.70	881.49	3,640.70	3,578.09	62.61	58.151		
11,300.00	6,871.52	6,600.00	6,471.92	133.17	31.89	34.20	807.70	881.49	3,740.00	3,677.31	62.69	59.662		
11,400.00	6,872.55	6,600.00	6,471.92	135.94	31.89	34.20	807.70	881.49	3,839.33	3,776.57	62.76	61.170		
11,500.00	6,873.58	6,600.00	6,471.92	138.72	31.89	34.20	807.70	881.49	3,938.70	3,875.86	62.84	62.677		
11,600.00	6,874.62	6,600.00	6,471.92	141.50	31.89	34.20	807.70	881.49	4,038.10	3,975.18	62.92	64.180		
11,700.00	6,875.65	6,577.90	6,450.19	144.28	31.80	32.96	804.82	884.31	4,137.08	4,074.20	62.88	65.791		
11,800.00	6,876.68	6,576.60	6,448.91	147.07	31.80	32.89	804.65	884.46	4,236.48	4,173.53	62.95	67.295		
11,900.00	6,877.71	6,575.34	6,447.68	149.85	31.79	32.83	804.49	884.59	4,335.91	4,272.88	63.02	68.797		
12,000.00	6,878.74	6,574.14	6,446.49	152.65	31.79	32.76	804.33	884.72	4,435.36	4,372.26	63.10	70.295		
12,100.00	6,879.77	6,572.98	6,445.35	155.44	31.79	32.70	804.18	884.84	4,534.83	4,471.66	63.17	71.790		
12,200.00	6,880.80	6,571.87	6,444.25	158.23	31.78	32.64	804.03	884.95	4,634.32	4,571.08	63.24	73.281		
12,300.00	6,881.83	6,550.00	6,422.65	161.03	31.70	31.55	801.13	886.79	4,734.22	4,671.00	63.22	74.888		
12,400.00	6,882.86	6,550.00	6,422.65	163.83	31.70	31.55	801.13	886.79	4,833.71	4,770.42	63.30	76.367		
12,500.00	6,883.89	6,550.00	6,422.65	166.63	31.70	31.55	801.13	886.79	4,933.22	4,869.85	63.37	77.843		
12,600.00	6,884.93	6,550.00	6,422.65	169.43	31.70	31.55	801.13	886.79	5,032.75	4,969.30	63.45	79.314		
12,700.00	6,885.96	6,550.00	6,422.65	172.24	31.70	31.55	801.13	886.79	5,132.30	5,068.77	63.53	80.783		
12,800.00	6,886.99	6,550.00	6,422.65	175.04	31.70	31.55	801.13	886.79	5,231.87	5,168.26	63.61	82.247		
12,900.00	6,888.02	6,550.00	6,422.65	177.85	31.70	31.55	801.13	886.79	5,331.45	5,267.76	63.69	83.708		
13,000.00	6,889.05	6,550.00	6,422.65	180.66	31.70	31.55	801.13	886.79	5,431.05	5,367.28	63.77	85.166		
13,100.00	6,890.08	6,550.00	6,422.65	183.47	31.70	31.55	801.13	886.79	5,530.66	5,466.81	63.85	86.619		
13,200.00	6,891.11	6,550.00	6,422.65	186.28	31.70	31.55	801.13	886.79	5,630.29	5,566.36	63.93	88.068		
13,300.00	6,892.14	6,550.00	6,422.65	189.10	31.70	31.55	801.13	886.79	5,729.93	5,665.92	64.01	89.514		
13,400.00	6,893.17	6,550.00	6,422.65	191.91	31.70	31.55	801.13	886.79	5,829.58	5,765.49	64.09	90.955		
13,500.00	6,894.21	6,550.00	6,422.65	194.73	31.70	31.55	801.13	886.79	5,929.25	5,865.07	64.17	92.392		
13,600.00	6,895.24	6,550.00	6,422.65	197.54	31.70	31.55	801.13	886.79	6,028.92	5,964.66	64.26	93.825		
13,700.00	6,896.27	6,550.00	6,422.65	200.36	31.70	31.55	801.13	886.79	6,128.61	6,064.27	64.34	95.254		
13,800.00	6,897.30	6,550.00	6,422.65	203.18	31.70	31.55	801.13	886.79	6,228.30	6,163.88	64.42	96.679		
13,900.00	6,898.33	6,550.00	6,422.65	206.00	31.70	31.55	801.13	886.79	6,328.01	6,263.50	64.51	98.099		
14,000.00	6,899.36	6,550.00	6,422.65	208.82	31.70	31.55	801.13	886.79	6,427.72	6,363.13	64.59	99.515		
14,100.00	6,900.39	6,550.00	6,422.65	211.64	31.70	31.55	801.13	886.79	6,527.44	6,462.77	64.68	100.926		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,901.42	6,550.00	6,422.65	214.46	31.70	31.55	801.13	886.79	6,627.17	6,562.41	64.76	102.333		
14,300.00	6,902.45	6,550.00	6,422.65	217.28	31.70	31.55	801.13	886.79	6,726.91	6,662.07	64.85	103.736		
14,400.00	6,903.48	6,550.00	6,422.65	220.11	31.70	31.55	801.13	886.79	6,826.66	6,761.73	64.93	105.134		
14,500.00	6,904.52	6,550.00	6,422.65	222.93	31.70	31.55	801.13	886.79	6,926.41	6,861.39	65.02	106.527		
14,600.00	6,905.55	6,550.00	6,422.65	225.76	31.70	31.55	801.13	886.79	7,026.18	6,961.07	65.11	107.916		
14,700.00	6,906.58	6,550.00	6,422.65	228.58	31.70	31.55	801.13	886.79	7,125.94	7,060.75	65.20	109.300		
14,800.00	6,907.61	6,550.00	6,422.65	231.41	31.70	31.55	801.13	886.79	7,225.72	7,160.43	65.29	110.679		
14,900.00	6,908.64	6,550.00	6,422.65	234.24	31.70	31.55	801.13	886.79	7,325.50	7,260.12	65.37	112.054		
15,000.00	6,909.67	6,550.00	6,422.65	237.06	31.70	31.55	801.13	886.79	7,425.28	7,359.82	65.46	113.424		
15,100.00	6,910.70	6,550.00	6,422.65	239.89	31.70	31.55	801.13	886.79	7,525.08	7,459.52	65.56	114.789		
15,200.00	6,911.73	6,550.00	6,422.65	242.72	31.70	31.55	801.13	886.79	7,624.87	7,559.23	65.65	116.150		
15,300.00	6,912.76	6,550.00	6,422.65	245.55	31.70	31.55	801.13	886.79	7,724.68	7,658.94	65.74	117.505		
15,400.00	6,913.80	6,550.00	6,422.65	248.38	31.70	31.55	801.13	886.79	7,824.48	7,758.65	65.83	118.856		
15,500.00	6,914.83	6,550.00	6,422.65	251.21	31.70	31.55	801.13	886.79	7,924.30	7,858.37	65.92	120.202		
15,600.00	6,915.86	6,550.00	6,422.65	254.04	31.70	31.55	801.13	886.79	8,024.11	7,958.10	66.02	121.543		
15,700.00	6,916.89	6,550.00	6,422.65	256.88	31.70	31.55	801.13	886.79	8,123.94	8,057.82	66.11	122.878		
15,800.00	6,917.92	6,550.00	6,422.65	259.71	31.70	31.55	801.13	886.79	8,223.76	8,157.55	66.21	124.209		
15,900.00	6,918.95	6,550.00	6,422.65	262.54	31.70	31.55	801.13	886.79	8,323.59	8,257.29	66.30	125.535		
16,000.00	6,919.98	6,550.00	6,422.65	265.37	31.70	31.55	801.13	886.79	8,423.43	8,357.03	66.40	126.856		
16,100.00	6,921.01	6,550.00	6,422.65	268.21	31.70	31.55	801.13	886.79	8,523.27	8,456.77	66.50	128.172		
16,200.00	6,922.04	6,550.00	6,422.65	271.04	31.70	31.55	801.13	886.79	8,623.11	8,556.51	66.60	129.483		
16,300.00	6,923.08	6,550.00	6,422.65	273.88	31.70	31.55	801.13	886.79	8,722.95	8,656.26	66.69	130.789		
16,400.00	6,924.11	6,550.00	6,422.65	276.71	31.70	31.55	801.13	886.79	8,822.80	8,756.01	66.79	132.090		
16,500.00	6,925.14	6,550.00	6,422.65	279.55	31.70	31.55	801.13	886.79	8,922.65	8,855.76	66.89	133.386		
16,600.00	6,926.17	6,550.00	6,422.65	282.38	31.70	31.55	801.13	886.79	9,022.51	8,955.52	66.99	134.676		
16,700.00	6,927.20	6,550.00	6,422.65	285.22	31.70	31.55	801.13	886.79	9,122.37	9,055.27	67.09	135.962		
16,800.00	6,928.23	6,550.00	6,422.65	288.05	31.70	31.55	801.13	886.79	9,222.23	9,155.03	67.20	137.242		
16,900.00	6,929.26	6,550.00	6,422.65	290.89	31.70	31.55	801.13	886.79	9,322.10	9,254.80	67.30	138.518		
17,000.00	6,930.29	6,550.00	6,422.65	293.73	31.70	31.55	801.13	886.79	9,421.96	9,354.56	67.40	139.788		
17,100.00	6,931.32	6,550.00	6,422.65	296.56	31.70	31.55	801.13	886.79	9,521.83	9,454.33	67.51	141.053		
17,200.00	6,932.35	6,550.00	6,422.65	299.40	31.70	31.55	801.13	886.79	9,621.71	9,554.10	67.61	142.313		
17,300.00	6,933.39	6,550.00	6,422.65	302.24	31.70	31.55	801.13	886.79	9,721.58	9,653.87	67.71	143.567		
17,400.00	6,934.42	6,550.00	6,422.65	305.08	31.70	31.55	801.13	886.79	9,821.46	9,753.64	67.82	144.817		
17,500.00	6,935.45	6,550.00	6,422.65	307.92	31.70	31.55	801.13	886.79	9,921.34	9,853.42	67.93	146.061		
17,553.57	6,936.00	6,550.00	6,422.65	309.44	31.70	31.55	801.13	886.79	9,974.85	9,906.87	67.98	146.726		
17,553.96	6,936.00	6,550.00	6,422.65	309.45	31.70	31.55	801.13	886.79	9,975.24	9,907.25	67.98	146.730		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-173.77	-104.55	-11.41	105.17					
100.00	100.00	100.00	100.00	3.28	3.28	-173.77	-104.55	-11.41	105.17	98.60	6.57	16.009		
200.00	200.00	200.00	200.00	3.34	3.34	-173.77	-104.55	-11.41	105.17	98.50	6.67	15.758		
300.00	300.00	300.00	300.00	3.44	3.44	-173.77	-104.55	-11.41	105.17	98.28	6.89	15.265 CC, ES		
400.00	399.98	400.24	400.22	3.60	3.60	-170.91	-104.60	-9.66	106.76	99.56	7.20	14.820		
500.00	499.84	500.07	499.91	3.81	3.80	-174.00	-104.73	-4.43	111.76	104.16	7.61	14.693 SF		
600.00	599.45	599.11	598.57	4.06	4.04	-178.53	-104.96	4.18	120.73	112.64	8.09	14.925		
700.00	698.70	702.91	695.82	4.34	4.32	176.23	-105.27	16.02	134.32	125.66	8.66	15.516		
775.00	772.83	770.41	768.49	4.57	4.53	172.69	-105.52	25.77	147.56	138.47	9.09	16.232		
800.00	797.48	805.20	792.66	4.65	4.64	171.67	-105.61	29.02	152.40	143.12	9.28	16.421		
900.00	896.11	907.66	889.33	4.97	4.98	168.17	-105.95	42.00	172.16	162.22	9.94	17.324		
1,000.00	994.74	989.88	986.01	5.31	5.27	165.39	-106.29	54.98	192.42	181.86	10.56	18.221		
1,100.00	1,093.37	1,087.42	1,082.68	5.68	5.62	163.14	-106.63	67.96	213.03	201.76	11.26	18.911		
1,200.00	1,192.00	1,184.96	1,179.36	6.06	5.99	161.29	-106.97	80.94	233.90	221.90	11.99	19.500		
1,300.00	1,290.63	1,282.50	1,276.03	6.45	6.38	159.74	-107.31	93.92	254.97	242.22	12.75	20.004		
1,400.00	1,389.26	1,380.05	1,372.70	6.86	6.77	158.43	-107.65	106.90	276.18	262.67	13.51	20.437		
1,500.00	1,487.88	1,477.59	1,469.38	7.27	7.17	157.30	-107.99	119.88	297.52	283.22	14.30	20.810		
1,600.00	1,586.51	1,575.13	1,566.05	7.69	7.57	156.33	-108.33	132.86	318.95	303.86	15.09	21.132		
1,700.00	1,685.14	1,672.67	1,662.72	8.11	7.98	155.48	-108.67	145.84	340.46	324.56	15.90	21.413		
1,800.00	1,783.77	1,770.21	1,759.40	8.54	8.40	154.73	-109.01	158.82	362.04	345.32	16.72	21.658		
1,900.00	1,882.40	1,867.75	1,856.07	8.97	8.82	154.06	-109.35	171.80	383.66	366.12	17.54	21.874		
2,000.00	1,981.03	1,965.30	1,952.74	9.41	9.24	153.47	-109.69	184.78	405.33	386.96	18.37	22.064		
2,100.00	2,079.66	2,062.84	2,049.42	9.84	9.67	152.93	-110.03	197.76	427.04	407.83	19.21	22.233		
2,200.00	2,178.28	2,160.38	2,146.09	10.29	10.09	152.45	-110.37	210.75	448.78	428.73	20.05	22.383		
2,300.00	2,276.91	2,257.92	2,242.76	10.73	10.52	152.01	-110.71	223.73	470.55	449.65	20.90	22.518		
2,400.00	2,375.54	2,355.46	2,339.44	11.18	10.96	151.61	-111.05	236.71	492.34	470.59	21.75	22.639		
2,500.00	2,474.17	2,453.00	2,436.11	11.62	11.39	151.24	-111.39	249.69	514.15	491.55	22.60	22.748		
2,600.00	2,572.80	2,550.55	2,532.78	12.07	11.83	150.91	-111.73	262.67	535.98	512.52	23.46	22.847		
2,700.00	2,671.43	2,648.09	2,629.46	12.52	12.26	150.60	-112.07	275.65	557.83	533.51	24.32	22.936		
2,800.00	2,770.05	2,745.63	2,726.13	12.97	12.70	150.31	-112.41	288.63	579.69	554.51	25.18	23.018		
2,900.00	2,868.68	2,843.17	2,822.81	13.43	13.14	150.04	-112.75	301.61	601.56	575.51	26.05	23.093		
3,000.00	2,967.31	2,940.71	2,919.48	13.88	13.58	149.80	-113.09	314.59	623.45	596.53	26.92	23.161		
3,100.00	3,065.94	3,038.25	3,016.15	14.34	14.02	149.57	-113.43	327.57	645.35	617.56	27.79	23.224		
3,200.00	3,164.57	3,135.80	3,112.83	14.79	14.47	149.35	-113.77	340.55	667.25	638.59	28.66	23.282		
3,300.00	3,263.20	3,233.34	3,209.50	15.25	14.91	149.15	-114.11	353.53	689.16	659.63	29.53	23.336		
3,400.00	3,361.83	3,330.88	3,306.17	15.71	15.35	148.96	-114.45	366.51	711.08	680.68	30.41	23.385		
3,500.00	3,460.45	3,428.42	3,402.85	16.17	15.80	148.78	-114.79	379.49	733.01	701.73	31.28	23.432		
3,600.00	3,559.08	3,525.96	3,499.52	16.62	16.24	148.62	-115.13	392.47	754.95	722.79	32.16	23.474		
3,700.00	3,657.71	3,623.50	3,596.19	17.08	16.69	148.46	-115.47	405.45	776.89	743.85	33.04	23.514		
3,800.00	3,756.34	3,721.05	3,692.87	17.54	17.13	148.31	-115.81	418.43	798.83	764.91	33.92	23.552		
3,900.00	3,854.97	3,818.59	3,789.54	18.00	17.58	148.17	-116.15	431.41	820.78	785.98	34.80	23.586		
4,000.00	3,953.60	3,916.13	3,886.21	18.46	18.03	148.03	-116.49	444.39	842.74	807.06	35.68	23.619		
4,100.00	4,052.23	4,013.67	3,982.89	18.92	18.48	147.91	-116.83	457.37	864.70	828.13	36.56	23.650		
4,200.00	4,150.85	4,111.21	4,079.56	19.39	18.92	147.78	-117.17	470.35	886.66	849.21	37.45	23.679		
4,300.00	4,249.48	4,208.75	4,176.23	19.85	19.37	147.67	-117.51	483.33	908.63	870.30	38.33	23.706		
4,400.00	4,348.11	4,306.30	4,272.91	20.31	19.82	147.56	-117.85	496.31	930.60	891.38	39.21	23.731		
4,500.00	4,446.74	4,403.84	4,369.58	20.77	20.27	147.46	-118.19	509.30	952.57	912.47	40.10	23.755		
4,600.00	4,545.37	4,501.38	4,466.26	21.23	20.72	147.36	-118.53	522.28	974.55	933.56	40.98	23.778		
4,700.00	4,644.00	4,601.08	4,562.93	21.70	21.18	147.26	-118.87	535.26	996.52	954.64	41.88	23.794		
4,800.00	4,742.63	4,703.54	4,659.60	22.16	21.65	147.17	-119.21	548.24	1,018.50	975.71	42.79	23.802		
4,900.00	4,841.25	4,806.00	4,756.28	22.62	22.12	147.08	-119.55	561.22	1,040.49	996.79	43.70	23.810		
5,000.00	4,939.88	4,908.45	4,852.95	23.09	22.60	147.00	-119.89	574.20	1,062.47	1,017.86	44.61	23.817		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	4,989.09	4,949.62	23.55	22.97	146.92	-120.23	587.18	1,084.46	1,039.04	45.42	23.876		
5,200.00	5,137.14	5,086.63	5,046.30	24.02	23.42	146.84	-120.56	600.16	1,106.45	1,060.14	46.31	23.892		
5,300.00	5,235.77	5,184.17	5,142.97	24.48	23.87	146.77	-120.90	613.14	1,128.44	1,081.24	47.20	23.908		
5,400.00	5,334.40	5,281.71	5,239.64	24.94	24.32	146.69	-121.24	626.12	1,150.44	1,102.35	48.09	23.923		
5,500.00	5,433.03	5,379.26	5,336.32	25.41	24.77	146.63	-121.58	639.10	1,172.43	1,123.45	48.98	23.938		
5,600.00	5,531.65	5,476.80	5,432.99	25.87	25.22	146.56	-121.92	652.08	1,194.43	1,144.56	49.87	23.951		
5,700.00	5,630.28	5,574.34	5,529.66	26.34	25.67	146.50	-122.26	665.06	1,216.42	1,165.67	50.76	23.965		
5,800.00	5,728.91	5,671.88	5,626.34	26.80	26.12	146.43	-122.60	678.04	1,238.42	1,186.77	51.65	23.977		
5,900.00	5,827.54	5,769.42	5,723.01	27.27	26.58	146.37	-122.94	691.02	1,260.42	1,207.88	52.54	23.989		
6,000.00	5,926.17	5,866.96	5,819.69	27.73	27.03	146.32	-123.28	704.00	1,282.43	1,228.99	53.43	24.001		
6,100.00	6,024.80	5,964.51	5,916.36	28.20	27.48	146.26	-123.62	716.98	1,304.43	1,250.10	54.32	24.012		
6,200.00	6,123.43	6,062.05	6,013.03	28.66	27.93	146.21	-123.96	729.96	1,326.43	1,271.22	55.22	24.022		
6,272.77	6,195.20	6,133.03	6,083.38	29.00	28.26	146.17	-124.21	739.41	1,342.45	1,286.58	55.87	24.030		
6,300.00	6,222.05	6,159.66	6,109.78	29.13	28.38	131.23	-124.30	742.95	1,348.09	1,291.98	56.11	24.026		
6,350.00	6,271.23	6,208.85	6,158.53	29.36	28.61	108.10	-124.48	749.50	1,356.62	1,300.06	56.56	23.987		
6,400.00	6,319.99	6,258.13	6,207.37	29.58	28.84	92.95	-124.65	756.06	1,362.74	1,305.74	57.00	23.906		
6,450.00	6,368.01	6,307.20	6,256.00	29.79	29.07	83.69	-124.82	762.59	1,366.47	1,309.02	57.45	23.786		
6,500.00	6,415.02	6,354.19	6,303.29	29.99	29.26	74.34	-125.00	769.14	1,370.00	1,312.50	57.89	23.666		
6,550.00	6,460.71	6,400.34	6,349.14	30.18	29.44	65.00	-125.17	775.69	1,374.57	1,316.07	58.32	23.546		
6,600.00	6,504.81	6,444.84	6,393.64	30.36	29.61	55.66	-125.33	782.24	1,379.14	1,319.64	58.75	23.426		
6,650.00	6,547.04	6,487.07	6,435.87	30.53	29.76	46.32	-125.47	788.79	1,383.71	1,323.21	59.18	23.306		
6,700.00	6,587.14	6,527.17	6,475.97	30.69	29.91	36.97	-125.59	795.34	1,388.28	1,326.78	59.61	23.186		
6,750.00	6,624.87	6,564.90	6,513.70	30.83	30.05	27.62	-125.70	801.89	1,392.85	1,330.35	60.04	23.066		
6,800.00	6,660.00	6,600.00	6,549.00	30.96	30.18	18.27	-125.80	808.44	1,397.42	1,333.92	60.47	22.946		
6,850.00	6,692.30	6,632.30	6,581.10	31.07	30.29	9.92	-125.89	814.99	1,401.99	1,337.49	60.89	22.826		
6,900.00	6,721.58	6,661.58	6,610.38	31.23	30.43	0.57	-125.97	821.54	1,406.56	1,341.06	61.31	22.706		
6,950.00	6,747.66	6,687.66	6,636.46	31.36	30.54	-8.82	-126.04	828.09	1,411.13	1,344.63	61.72	22.586		
7,000.00	6,770.37	6,710.37	6,659.17	31.49	30.65	-17.37	-126.10	834.64	1,415.70	1,348.20	62.13	22.466		
7,050.00	6,789.58	6,729.58	6,678.38	31.59	30.74	-25.92	-126.15	841.19	1,420.27	1,351.77	62.54	22.346		
7,100.00	6,805.17	6,745.17	6,693.97	31.68	30.83	-34.47	-126.19	847.74	1,424.84	1,355.34	62.94	22.226		
7,150.00	6,817.03	6,757.03	6,705.83	31.77	30.91	-43.02	-126.22	854.29	1,429.41	1,358.91	63.35	22.106		
7,200.00	6,825.11	6,765.11	6,713.91	31.85	30.99	-51.57	-126.25	860.84	1,433.98	1,362.48	63.75	21.986		
7,250.00	6,829.35	6,769.35	6,717.15	31.92	31.06	-60.12	-126.27	867.39	1,438.55	1,366.05	64.15	21.866		
7,273.12	6,830.00	6,770.00	6,717.80	31.96	31.09	-67.67	-126.28	870.00	1,440.00	1,367.50	64.27	21.828		
7,300.00	6,830.28	6,770.28	6,718.08	31.98	31.10	-75.22	-126.29	872.61	1,441.46	1,368.96	64.38	21.789		
7,400.00	6,831.31	6,771.31	6,719.11	32.04	31.15	-83.77	-126.30	879.16	1,445.03	1,372.53	64.78	21.669		
7,420.90	6,831.53	6,771.53	6,719.33	32.06	31.16	-91.32	-126.31	881.77	1,446.49	1,373.99	64.89	21.630		
7,500.00	6,832.34	6,772.34	6,720.14	32.12	31.21	-99.87	-126.32	888.32	1,450.06	1,377.56	65.29	21.510		
7,600.00	6,833.37	6,773.37	6,721.17	32.18	31.26	-108.42	-126.33	894.87	1,453.63	1,381.13	65.69	21.390		
7,700.00	6,834.40	6,774.40	6,722.20	32.24	31.31	-116.97	-126.34	901.42	1,457.20	1,384.70	66.09	21.270		
7,800.00	6,835.44	6,775.44	6,723.24	32.29	31.36	-125.52	-126.35	907.97	1,460.77	1,388.27	66.49	21.150		
7,900.00	6,836.47	6,776.47	6,724.27	32.34	31.41	-134.07	-126.36	914.52	1,464.34	1,391.84	66.89	21.030		
8,000.00	6,837.50	6,777.50	6,725.30	32.39	31.46	-142.62	-126.37	921.07	1,467.91	1,395.41	67.29	20.910		
8,100.00	6,838.53	6,778.53	6,726.33	32.44	31.51	-151.17	-126.38	927.62	1,471.48	1,398.98	67.69	20.790		
8,200.00	6,839.56	6,779.56	6,727.36	32.49	31.56	-159.72	-126.39	934.17	1,475.05	1,402.55	68.09	20.670		
8,300.00	6,840.59	6,780.59	6,728.39	32.54	31.61	-168.27	-126.40	940.72	1,478.62	1,406.12	68.49	20.550		
8,400.00	6,841.62	6,781.62	6,729.42	32.59	31.66	-176.82	-126.41	947.27	1,482.19	1,409.69	68.89	20.430		
8,500.00	6,842.65	6,782.65	6,730.45	32.64	31.71	-185.37	-126.42	953.82	1,485.76	1,413.26	69.29	20.310		
8,600.00	6,843.68	6,783.68	6,731.48	32.69	31.76	-193.92	-126.43	960.37	1,489.33	1,416.83	69.69	20.190		
8,700.00	6,844.71	6,784.71	6,732.51	32.74	31.81	-202.47	-126.44	966.92	1,492.90	1,420.40	70.09	20.070		
8,800.00	6,845.75	6,785.75	6,733.55	32.79	31.86	-211.02	-126.45	973.47	1,496.47	1,423.97	70.49	19.950		
8,900.00	6,846.78	6,786.78	6,734.58	32.84	31.91	-219.57	-126.46	980.02	1,500.04	1,427.54	70.89	19.830		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,847.81	6,650.00	6,596.75	71.12	30.55	78.71	-126.80	784.38	1,933.73	1,856.59	77.13	25.069		
9,100.00	6,848.84	6,650.00	6,596.75	73.69	30.55	78.71	-126.80	784.38	2,012.98	1,935.74	77.24	26.061		
9,200.00	6,849.87	6,650.00	6,596.75	76.28	30.55	78.71	-126.80	784.38	2,094.02	2,016.70	77.32	27.083		
9,300.00	6,850.90	6,650.00	6,596.75	78.89	30.55	78.71	-126.80	784.38	2,176.63	2,099.26	77.37	28.132		
9,400.00	6,851.93	6,650.00	6,596.75	81.51	30.55	78.71	-126.80	784.38	2,260.65	2,183.25	77.41	29.205		
9,500.00	6,852.96	6,650.00	6,596.75	84.15	30.55	78.71	-126.80	784.38	2,345.92	2,268.50	77.43	30.299		
9,600.00	6,853.99	6,650.00	6,596.75	86.80	30.55	78.71	-126.80	784.38	2,432.32	2,354.88	77.43	31.412		
9,700.00	6,855.03	6,650.00	6,596.75	89.46	30.55	78.71	-126.80	784.38	2,519.72	2,442.29	77.43	32.541		
9,800.00	6,856.06	6,650.00	6,596.75	92.14	30.55	78.71	-126.80	784.38	2,608.02	2,530.60	77.42	33.685		
9,900.00	6,857.09	6,630.68	6,577.59	94.83	30.48	77.82	-126.57	786.80	2,696.81	2,619.55	77.26	34.907		
10,000.00	6,858.12	6,628.69	6,575.61	97.52	30.48	77.72	-126.55	787.01	2,786.60	2,709.37	77.23	36.083		
10,100.00	6,859.15	6,626.83	6,573.76	100.23	30.47	77.64	-126.53	787.21	2,877.05	2,799.86	77.20	37.269		
10,200.00	6,860.18	6,625.07	6,572.01	102.94	30.46	77.56	-126.51	787.39	2,968.12	2,890.95	77.17	38.464		
10,300.00	6,861.21	6,623.41	6,570.36	105.66	30.46	77.48	-126.49	787.55	3,059.73	2,982.60	77.13	39.668		
10,400.00	6,862.24	6,621.85	6,568.80	108.39	30.45	77.41	-126.47	787.71	3,151.85	3,074.75	77.10	40.879		
10,500.00	6,863.27	6,620.37	6,567.33	111.12	30.44	77.34	-126.45	787.85	3,244.44	3,167.36	77.07	42.096		
10,600.00	6,864.30	6,600.00	6,547.02	113.86	30.37	76.40	-126.24	789.43	3,337.77	3,260.86	76.91	43.400		
10,700.00	6,865.34	6,600.00	6,547.02	116.60	30.37	76.40	-126.24	789.43	3,431.12	3,354.23	76.89	44.623		
10,800.00	6,866.37	6,600.00	6,547.02	119.35	30.37	76.40	-126.24	789.43	3,524.84	3,447.96	76.88	45.852		
10,900.00	6,867.40	6,600.00	6,547.02	122.11	30.37	76.40	-126.24	789.43	3,618.89	3,542.03	76.86	47.084		
11,000.00	6,868.43	6,600.00	6,547.02	124.87	30.37	76.40	-126.24	789.43	3,713.26	3,636.41	76.85	48.321		
11,100.00	6,869.46	6,600.00	6,547.02	127.63	30.37	76.40	-126.24	789.43	3,807.91	3,731.08	76.83	49.561		
11,200.00	6,870.49	6,600.00	6,547.02	130.40	30.37	76.40	-126.24	789.43	3,902.83	3,826.01	76.82	50.804		
11,300.00	6,871.52	6,600.00	6,547.02	133.17	30.37	76.40	-126.24	789.43	3,998.00	3,921.19	76.81	52.050		
11,400.00	6,872.55	6,600.00	6,547.02	135.94	30.37	76.40	-126.24	789.43	4,093.40	4,016.60	76.80	53.298		
11,500.00	6,873.58	6,600.00	6,547.02	138.72	30.37	76.40	-126.24	789.43	4,189.01	4,112.22	76.79	54.548		
11,600.00	6,874.62	6,600.00	6,547.02	141.50	30.37	76.40	-126.24	789.43	4,284.82	4,208.03	76.79	55.800		
11,700.00	6,875.65	6,600.00	6,547.02	144.28	30.37	76.40	-126.24	789.43	4,380.82	4,304.04	76.78	57.053		
11,800.00	6,876.68	6,600.00	6,547.02	147.07	30.37	76.40	-126.24	789.43	4,477.00	4,400.22	76.78	58.308		
11,900.00	6,877.71	6,600.00	6,547.02	149.85	30.37	76.40	-126.24	789.43	4,573.34	4,496.56	76.78	59.564		
12,000.00	6,878.74	6,600.00	6,547.02	152.65	30.37	76.40	-126.24	789.43	4,669.83	4,593.05	76.78	60.820		
12,100.00	6,879.77	6,600.00	6,547.02	155.44	30.37	76.40	-126.24	789.43	4,766.47	4,689.69	76.78	62.077		
12,200.00	6,880.80	6,600.00	6,547.02	158.23	30.37	76.40	-126.24	789.43	4,863.24	4,786.46	76.79	63.334		
12,300.00	6,881.83	6,600.00	6,547.02	161.03	30.37	76.40	-126.24	789.43	4,960.14	4,883.35	76.79	64.592		
12,400.00	6,882.86	6,600.00	6,547.02	163.83	30.37	76.40	-126.24	789.43	5,057.17	4,980.37	76.80	65.849		
12,500.00	6,883.89	6,600.00	6,547.02	166.63	30.37	76.40	-126.24	789.43	5,154.30	5,077.50	76.81	67.107		
12,600.00	6,884.93	6,600.00	6,547.02	169.43	30.37	76.40	-126.24	789.43	5,251.55	5,174.73	76.82	68.364		
12,700.00	6,885.96	6,600.00	6,547.02	172.24	30.37	76.40	-126.24	789.43	5,348.89	5,272.06	76.83	69.620		
12,800.00	6,886.99	6,600.00	6,547.02	175.04	30.37	76.40	-126.24	789.43	5,446.33	5,369.49	76.84	70.877		
12,900.00	6,888.02	6,600.00	6,547.02	177.85	30.37	76.40	-126.24	789.43	5,543.87	5,467.01	76.86	72.132		
13,000.00	6,889.05	6,600.00	6,547.02	180.66	30.37	76.40	-126.24	789.43	5,641.49	5,564.61	76.87	73.387		
13,100.00	6,890.08	6,600.00	6,547.02	183.47	30.37	76.40	-126.24	789.43	5,739.19	5,662.30	76.89	74.640		
13,200.00	6,891.11	6,600.00	6,547.02	186.28	30.37	76.40	-126.24	789.43	5,836.97	5,760.05	76.91	75.893		
13,300.00	6,892.14	6,600.00	6,547.02	189.10	30.37	76.40	-126.24	789.43	5,934.82	5,857.89	76.93	77.145		
13,400.00	6,893.17	6,600.00	6,547.02	191.91	30.37	76.40	-126.24	789.43	6,032.74	5,955.79	76.95	78.395		
13,500.00	6,894.21	6,600.00	6,547.02	194.73	30.37	76.40	-126.24	789.43	6,130.73	6,053.76	76.98	79.644		
13,600.00	6,895.24	6,600.00	6,547.02	197.54	30.37	76.40	-126.24	789.43	6,228.79	6,151.79	77.00	80.892		
13,700.00	6,896.27	6,600.00	6,547.02	200.36	30.37	76.40	-126.24	789.43	6,326.90	6,249.87	77.03	82.139		
13,800.00	6,897.30	6,600.00	6,547.02	203.18	30.37	76.40	-126.24	789.43	6,425.07	6,348.02	77.05	83.383		
13,900.00	6,898.33	6,600.00	6,547.02	206.00	30.37	76.40	-126.24	789.43	6,523.30	6,446.22	77.08	84.626		
14,000.00	6,899.36	6,600.00	6,547.02	208.82	30.37	76.40	-126.24	789.43	6,621.59	6,544.47	77.11	85.868		
14,100.00	6,900.39	6,600.00	6,547.02	211.64	30.37	76.40	-126.24	789.43	6,719.92	6,642.77	77.15	87.108		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,901.42	6,600.00	6,547.02	214.46	30.37	76.40	-126.24	789.43	6,818.30	6,741.12	77.18	88.345		
14,300.00	6,902.45	6,600.00	6,547.02	217.28	30.37	76.40	-126.24	789.43	6,916.73	6,839.51	77.21	89.581		
14,400.00	6,903.48	6,600.00	6,547.02	220.11	30.37	76.40	-126.24	789.43	7,015.20	6,937.95	77.25	90.815		
14,500.00	6,904.52	6,600.00	6,547.02	222.93	30.37	76.40	-126.24	789.43	7,113.71	7,036.43	77.28	92.047		
14,600.00	6,905.55	6,600.00	6,547.02	225.76	30.37	76.40	-126.24	789.43	7,212.27	7,134.95	77.32	93.277		
14,700.00	6,906.58	6,600.00	6,547.02	228.58	30.37	76.40	-126.24	789.43	7,310.86	7,233.50	77.36	94.505		
14,800.00	6,907.61	6,600.00	6,547.02	231.41	30.37	76.40	-126.24	789.43	7,409.50	7,332.10	77.40	95.730		
14,900.00	6,908.64	6,600.00	6,547.02	234.24	30.37	76.40	-126.24	789.43	7,508.16	7,430.72	77.44	96.954		
15,000.00	6,909.67	6,600.00	6,547.02	237.06	30.37	76.40	-126.24	789.43	7,606.87	7,529.38	77.48	98.175		
15,100.00	6,910.70	6,600.00	6,547.02	239.89	30.37	76.40	-126.24	789.43	7,705.60	7,628.08	77.53	99.394		
15,200.00	6,911.73	6,600.00	6,547.02	242.72	30.37	76.40	-126.24	789.43	7,804.37	7,726.80	77.57	100.610		
15,300.00	6,912.76	6,600.00	6,547.02	245.55	30.37	76.40	-126.24	789.43	7,903.17	7,825.56	77.62	101.824		
15,400.00	6,913.80	6,600.00	6,547.02	248.38	30.37	76.40	-126.24	789.43	8,002.00	7,924.34	77.66	103.035		
15,500.00	6,914.83	6,600.00	6,547.02	251.21	30.37	76.40	-126.24	789.43	8,100.86	8,023.15	77.71	104.244		
15,600.00	6,915.86	6,600.00	6,547.02	254.04	30.37	76.40	-126.24	789.43	8,199.75	8,121.99	77.76	105.450		
15,700.00	6,916.89	6,600.00	6,547.02	256.88	30.37	76.40	-126.24	789.43	8,298.66	8,220.85	77.81	106.654		
15,800.00	6,917.92	6,600.00	6,547.02	259.71	30.37	76.40	-126.24	789.43	8,397.60	8,319.74	77.86	107.855		
15,900.00	6,918.95	6,600.00	6,547.02	262.54	30.37	76.40	-126.24	789.43	8,496.56	8,418.65	77.91	109.054		
16,000.00	6,919.98	6,600.00	6,547.02	265.37	30.37	76.40	-126.24	789.43	8,595.55	8,517.58	77.96	110.249		
16,100.00	6,921.01	6,600.00	6,547.02	268.21	30.37	76.40	-126.24	789.43	8,694.56	8,616.54	78.02	111.442		
16,200.00	6,922.04	6,600.00	6,547.02	271.04	30.37	76.40	-126.24	789.43	8,793.59	8,715.52	78.07	112.633		
16,300.00	6,923.08	6,600.00	6,547.02	273.88	30.37	76.40	-126.24	789.43	8,892.65	8,814.52	78.13	113.820		
16,400.00	6,924.11	6,600.00	6,547.02	276.71	30.37	76.40	-126.24	789.43	8,991.72	8,913.54	78.19	115.004		
16,500.00	6,925.14	6,600.00	6,547.02	279.55	30.37	76.40	-126.24	789.43	9,090.82	9,012.57	78.24	116.186		
16,600.00	6,926.17	6,600.00	6,547.02	282.38	30.37	76.40	-126.24	789.43	9,189.93	9,111.63	78.30	117.365		
16,700.00	6,927.20	6,600.00	6,547.02	285.22	30.37	76.40	-126.24	789.43	9,289.07	9,210.71	78.36	118.541		
16,800.00	6,928.23	6,600.00	6,547.02	288.05	30.37	76.40	-126.24	789.43	9,388.22	9,309.80	78.42	119.714		
16,900.00	6,929.26	6,600.00	6,547.02	290.89	30.37	76.40	-126.24	789.43	9,487.39	9,408.91	78.48	120.884		
17,000.00	6,930.29	6,600.00	6,547.02	293.73	30.37	76.40	-126.24	789.43	9,586.58	9,508.03	78.55	122.050		
17,100.00	6,931.32	6,600.00	6,547.02	296.56	30.37	76.40	-126.24	789.43	9,685.78	9,607.17	78.61	123.214		
17,200.00	6,932.35	6,600.00	6,547.02	299.40	30.37	76.40	-126.24	789.43	9,785.00	9,706.33	78.67	124.375		
17,300.00	6,933.39	6,600.00	6,547.02	302.24	30.37	76.40	-126.24	789.43	9,884.24	9,805.50	78.74	125.533		
17,400.00	6,934.42	6,600.00	6,547.02	305.08	30.37	76.40	-126.24	789.43	9,983.49	9,904.69	78.80	126.687		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-173.62	-89.61	-10.02	90.17					
100.00	100.00	100.00	100.00	3.28	3.28	-173.62	-89.61	-10.02	90.17	83.60	6.57	13.726		
200.00	200.00	200.00	200.00	3.34	3.34	-173.62	-89.61	-10.02	90.17	83.50	6.67	13.511		
300.00	300.00	301.22	301.19	3.44	3.45	-174.67	-89.10	-8.31	89.49	82.60	6.89	12.986		
356.11	356.11	357.92	357.84	3.53	3.53	-172.30	-88.35	-5.86	89.11	82.05	7.06	12.621	CC, ES	
400.00	399.98	402.19	402.02	3.60	3.61	-174.07	-87.55	-3.20	89.36	82.15	7.21	12.390		
500.00	499.84	502.64	502.08	3.81	3.82	-179.62	-84.98	5.26	92.15	84.52	7.63	12.077	SF	
600.00	599.45	602.31	600.99	4.06	4.08	173.40	-81.44	16.97	98.77	90.63	8.14	12.136		
700.00	698.70	700.92	698.37	4.34	4.40	165.99	-76.95	31.78	110.05	101.32	8.73	12.600		
775.00	772.83	775.52	770.19	4.57	4.68	160.68	-73.00	44.83	121.88	112.64	9.24	13.189		
800.00	797.48	798.37	794.04	4.65	4.77	159.06	-71.59	49.48	126.36	116.95	9.41	13.426		
900.00	896.11	904.25	889.48	4.97	5.22	153.59	-65.96	68.05	145.14	134.97	10.17	14.267		
1,000.00	994.74	1,006.87	984.91	5.31	5.70	149.39	-60.34	86.63	164.91	153.95	10.96	15.043		
1,100.00	1,093.37	1,109.48	1,080.34	5.68	6.20	146.09	-54.71	105.20	185.37	173.58	11.79	15.729		
1,200.00	1,192.00	1,187.90	1,175.77	6.06	6.59	143.45	-49.08	123.77	206.29	193.78	12.51	16.484		
1,300.00	1,290.63	1,285.29	1,271.20	6.45	7.10	141.29	-43.46	142.35	227.56	214.21	13.35	17.040		
1,400.00	1,389.26	1,382.67	1,366.63	6.86	7.61	139.51	-37.83	160.92	249.09	234.88	14.21	17.527		
1,500.00	1,487.88	1,480.05	1,462.06	7.27	8.14	138.00	-32.21	179.50	270.82	255.73	15.08	17.954		
1,600.00	1,586.51	1,577.44	1,557.49	7.69	8.68	136.72	-26.58	198.07	292.69	276.72	15.97	18.331		
1,700.00	1,685.14	1,674.82	1,652.92	8.11	9.22	135.62	-20.95	216.64	314.69	297.83	16.86	18.664		
1,800.00	1,783.77	1,772.21	1,748.35	8.54	9.77	134.66	-15.33	235.22	336.78	319.02	17.76	18.960		
1,900.00	1,882.40	1,869.59	1,843.78	8.97	10.32	133.82	-9.70	253.79	358.95	340.28	18.67	19.224		
2,000.00	1,981.03	1,966.97	1,939.21	9.41	10.87	133.08	-4.07	272.37	381.19	361.60	19.59	19.460		
2,100.00	2,079.66	2,064.36	2,034.64	9.84	11.43	132.42	1.55	290.94	403.48	382.97	20.51	19.672		
2,200.00	2,178.28	2,161.74	2,130.07	10.29	12.00	131.83	7.18	309.51	425.81	404.38	21.44	19.864		
2,300.00	2,276.91	2,259.13	2,225.50	10.73	12.56	131.29	12.81	328.09	448.19	425.82	22.37	20.037		
2,400.00	2,375.54	2,356.51	2,320.93	11.18	13.13	130.81	18.43	346.66	470.60	447.29	23.30	20.195		
2,500.00	2,474.17	2,453.90	2,416.36	11.62	13.70	130.37	24.06	365.24	493.03	468.79	24.24	20.339		
2,600.00	2,572.80	2,551.28	2,511.80	12.07	14.27	129.97	29.69	383.81	515.50	490.31	25.18	20.470		
2,700.00	2,671.43	2,648.66	2,607.23	12.52	14.84	129.61	35.31	402.38	537.98	511.85	26.13	20.591		
2,800.00	2,770.05	2,746.05	2,702.66	12.97	15.41	129.27	40.94	420.96	560.48	533.41	27.07	20.702		
2,900.00	2,868.68	2,843.43	2,798.09	13.43	15.99	128.96	46.56	439.53	583.01	554.98	28.02	20.805		
3,000.00	2,967.31	2,940.82	2,893.52	13.88	16.56	128.67	52.19	458.11	605.54	576.57	28.97	20.900		
3,100.00	3,065.94	3,038.20	2,988.95	14.34	17.14	128.40	57.82	476.68	628.09	598.16	29.93	20.989		
3,200.00	3,164.57	3,135.58	3,084.38	14.79	17.72	128.15	63.44	495.26	650.65	619.77	30.88	21.071		
3,300.00	3,263.20	3,232.97	3,179.81	15.25	18.30	127.92	69.07	513.83	673.22	641.39	31.84	21.147		
3,400.00	3,361.83	3,330.35	3,275.24	15.71	18.88	127.70	74.70	532.40	695.81	663.01	32.79	21.219		
3,500.00	3,460.45	3,427.74	3,370.67	16.17	19.46	127.50	80.32	550.98	718.40	684.65	33.75	21.285		
3,600.00	3,559.08	3,525.12	3,466.10	16.62	20.04	127.31	85.95	569.55	741.00	706.29	34.71	21.348		
3,700.00	3,657.71	3,622.50	3,561.53	17.08	20.62	127.13	91.58	588.13	763.60	727.93	35.67	21.407		
3,800.00	3,756.34	3,719.89	3,656.96	17.54	21.20	126.96	97.20	606.70	786.22	749.58	36.63	21.462		
3,900.00	3,854.97	3,817.27	3,752.39	18.00	21.78	126.80	102.83	625.27	808.84	771.24	37.59	21.515		
4,000.00	3,953.60	3,914.66	3,847.82	18.46	22.36	126.65	108.46	643.85	831.46	792.90	38.56	21.564		
4,100.00	4,052.23	4,012.04	3,943.25	18.92	22.94	126.50	114.08	662.42	854.09	814.57	39.52	21.610		
4,200.00	4,150.85	4,109.42	4,038.68	19.39	23.53	126.37	119.71	681.00	876.73	836.24	40.49	21.655		
4,300.00	4,249.48	4,206.81	4,134.12	19.85	24.11	126.24	125.34	699.57	899.36	857.91	41.45	21.696		
4,400.00	4,348.11	4,304.19	4,229.55	20.31	24.69	126.12	130.96	718.14	922.01	879.59	42.42	21.736		
4,500.00	4,446.74	4,401.58	4,324.98	20.77	25.28	126.00	136.59	736.72	944.66	901.27	43.39	21.774		
4,600.00	4,545.37	4,498.96	4,420.41	21.23	25.86	125.89	142.21	755.29	967.31	922.95	44.35	21.809		
4,700.00	4,644.00	4,621.91	4,541.31	21.70	26.56	125.86	148.67	776.61	988.82	943.26	45.55	21.707		
4,800.00	4,742.63	4,748.72	4,666.89	22.16	27.21	126.07	153.75	793.38	1,007.54	960.82	46.72	21.564		
4,900.00	4,841.25	4,876.42	4,794.02	22.62	27.79	126.52	157.24	804.88	1,023.47	975.64	47.83	21.397		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,939.88	5,004.52	4,921.95	23.09	28.30	127.19	159.08	810.96	1,036.63	987.75	48.88	21.209		
5,100.00	5,038.51	5,121.09	5,038.51	23.55	28.69	127.99	159.39	811.98	1,047.31	997.50	49.81	21.025		
5,200.00	5,137.14	5,219.72	5,137.14	24.02	29.02	128.69	159.39	811.98	1,057.64	1,006.97	50.67	20.872		
5,300.00	5,235.77	5,318.35	5,235.77	24.48	29.35	129.38	159.39	811.98	1,068.12	1,016.59	51.53	20.727		
5,400.00	5,334.40	5,416.98	5,334.40	24.94	29.68	130.05	159.39	811.98	1,078.75	1,026.36	52.39	20.591		
5,500.00	5,433.03	5,515.60	5,433.03	25.41	30.01	130.71	159.39	811.98	1,089.53	1,036.28	53.25	20.461		
5,600.00	5,531.65	5,614.23	5,531.65	25.87	30.34	131.35	159.39	811.98	1,100.45	1,046.34	54.11	20.338		
5,700.00	5,630.28	5,712.86	5,630.28	26.34	30.68	131.99	159.39	811.98	1,111.51	1,056.54	54.96	20.222		
5,800.00	5,728.91	5,811.49	5,728.91	26.80	31.02	132.61	159.39	811.98	1,122.70	1,066.88	55.82	20.112		
5,900.00	5,827.54	5,910.12	5,827.54	27.27	31.36	133.22	159.39	811.98	1,134.02	1,077.34	56.68	20.008		
6,000.00	5,926.17	6,008.75	5,926.17	27.73	31.71	133.82	159.39	811.98	1,145.47	1,087.93	57.54	19.909		
6,100.00	6,024.80	6,107.38	6,024.80	28.20	32.05	134.40	159.39	811.98	1,157.04	1,098.64	58.39	19.815		
6,200.00	6,123.43	6,206.00	6,123.43	28.66	32.40	134.98	159.39	811.98	1,168.72	1,109.48	59.25	19.726		
6,272.77	6,195.20	7,705.66	7,027.40	29.00	40.20	-177.97	124.58	-42.24	1,168.44	1,115.42	53.02	22.039		
6,300.00	6,222.05	7,706.45	7,027.41	29.13	40.21	169.19	124.61	-41.46	1,152.67	1,098.74	53.93	21.375		
6,350.00	6,271.23	7,689.09	7,027.47	29.36	39.93	149.30	124.79	-37.00	1,124.85	1,069.49	55.36	20.319		
6,400.00	6,319.99	7,680.73	7,027.57	29.58	39.80	136.61	125.13	-28.65	1,098.72	1,041.82	56.90	19.311		
6,450.00	6,368.01	7,668.53	7,027.72	29.79	39.62	129.02	125.63	-16.46	1,074.49	1,016.13	58.35	18.413		
6,500.00	6,415.02	7,652.58	7,027.92	29.99	39.38	124.26	126.28	-0.52	1,052.29	992.58	59.71	17.624		
6,550.00	6,460.71	7,632.95	7,028.16	30.18	39.08	121.00	127.07	19.08	1,032.24	971.30	60.94	16.939		
6,600.00	6,504.81	7,609.79	7,028.45	30.36	38.70	118.53	128.02	42.23	1,014.38	952.37	62.01	16.359		
6,650.00	6,547.04	7,583.22	7,028.78	30.53	38.36	116.48	129.10	68.77	998.69	935.70	63.00	15.853		
6,700.00	6,587.14	7,553.41	7,029.14	30.69	37.98	114.65	130.31	98.55	985.12	921.29	63.83	15.433		
6,750.00	6,624.87	7,520.55	7,029.55	30.83	37.56	112.95	131.65	131.38	973.55	909.03	64.52	15.089		
6,800.00	6,660.00	7,486.21	7,029.97	30.96	37.14	111.38	133.05	165.70	963.81	898.72	65.09	14.807		
6,850.00	6,692.30	7,404.58	7,026.05	31.07	36.30	108.02	136.37	247.11	954.91	889.71	65.21	14.645		
6,900.00	6,721.58	7,334.71	7,014.43	31.23	35.69	105.15	139.17	315.91	946.14	880.58	65.56	14.432		
6,950.00	6,747.66	7,273.55	6,998.13	31.56	35.25	102.65	141.57	374.79	937.81	871.79	66.01	14.206		
7,000.00	6,770.37	7,218.90	6,978.83	31.92	34.92	100.43	143.65	425.86	930.11	863.60	66.50	13.986		
7,050.00	6,789.58	7,169.20	6,957.54	32.33	34.69	98.44	145.48	470.72	923.17	856.18	66.99	13.781		
7,100.00	6,805.17	7,123.33	6,934.83	32.78	34.51	96.62	147.10	510.53	917.05	849.60	67.45	13.596		
7,150.00	6,817.03	7,080.46	6,911.07	33.27	34.38	94.93	148.55	546.16	911.77	843.89	67.88	13.432		
7,200.00	6,825.11	7,040.00	6,886.49	33.80	34.28	93.34	149.86	578.27	907.33	839.05	68.27	13.289		
7,250.00	6,829.35	7,001.46	6,861.22	34.37	34.21	91.86	151.05	607.33	903.70	835.06	68.64	13.165		
7,273.12	6,830.00	6,984.20	6,849.34	34.65	34.18	91.20	151.56	619.85	902.29	833.48	68.81	13.113		
7,300.00	6,830.28	6,964.92	6,835.68	34.98	34.15	90.32	152.11	633.44	900.93	831.94	68.99	13.059		
7,367.30	6,830.97	6,921.57	6,803.50	35.88	34.10	88.25	153.29	662.44	899.45	830.00	69.45	12.951		
7,400.00	6,831.31	6,902.79	6,788.95	36.32	34.08	87.31	153.78	674.32	899.82	830.19	69.63	12.923		
7,500.00	6,832.34	6,853.12	6,748.87	37.83	34.03	84.75	154.97	703.61	906.00	835.82	70.18	12.910		
7,600.00	6,833.37	6,812.95	6,714.86	39.49	34.00	82.58	155.84	724.95	920.35	849.73	70.62	13.032		
7,700.00	6,834.40	6,780.05	6,686.04	41.27	33.97	80.76	156.49	740.80	943.20	872.25	70.96	13.293		
7,800.00	6,835.44	6,750.00	6,659.04	43.17	33.94	79.08	157.02	753.97	974.44	903.30	71.14	13.698		
7,900.00	6,836.47	6,729.78	6,640.54	45.17	33.91	77.93	157.35	762.11	1,013.57	942.26	71.31	14.213		
8,000.00	6,837.50	6,710.27	6,622.44	47.26	33.89	76.82	157.65	769.40	1,059.97	988.60	71.36	14.853		
8,100.00	6,838.53	6,700.00	6,612.83	49.43	33.88	76.23	157.80	773.01	1,112.90	1,041.44	71.47	15.573		
8,200.00	6,839.56	6,678.96	6,592.96	51.66	33.84	75.03	158.08	779.93	1,171.49	1,100.18	71.31	16.428		
8,300.00	6,840.59	6,666.24	6,580.85	53.95	33.82	74.31	158.24	783.79	1,235.10	1,163.87	71.23	17.339		
8,400.00	6,841.62	6,650.00	6,565.26	56.29	33.80	73.38	158.42	788.37	1,303.05	1,231.99	71.06	18.336		
8,500.00	6,842.65	6,650.00	6,565.26	58.67	33.80	73.38	158.42	788.37	1,374.69	1,303.58	71.12	19.330		
8,600.00	6,843.68	6,650.00	6,565.26	61.10	33.80	73.38	158.42	788.37	1,449.70	1,378.56	71.14	20.379		
8,700.00	6,844.71	6,628.22	6,544.20	63.56	33.76	72.14	158.65	793.88	1,527.11	1,456.27	70.84	21.558		
8,800.00	6,845.75	6,621.02	6,537.19	66.05	33.75	71.73	158.72	795.55	1,607.07	1,536.33	70.74	22.718		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,846.78	6,600.00	6,516.64	68.58	33.71	70.55	158.90	799.95	1,689.29	1,618.83	70.46	23.975		
9,000.00	6,847.81	6,600.00	6,516.64	71.12	33.71	70.55	158.90	799.95	1,772.94	1,702.48	70.46	25.163		
9,100.00	6,848.84	6,600.00	6,516.64	73.69	33.71	70.55	158.90	799.95	1,858.21	1,787.77	70.45	26.378		
9,200.00	6,849.87	6,600.00	6,516.64	76.28	33.71	70.55	158.90	799.95	1,944.88	1,874.46	70.43	27.615		
9,300.00	6,850.90	6,600.00	6,516.64	78.89	33.71	70.55	158.90	799.95	2,032.78	1,962.38	70.41	28.872		
9,400.00	6,851.93	6,600.00	6,516.64	81.51	33.71	70.55	158.90	799.95	2,121.75	2,051.37	70.38	30.146		
9,500.00	6,852.96	6,600.00	6,516.64	84.15	33.71	70.55	158.90	799.95	2,211.66	2,141.30	70.36	31.434		
9,600.00	6,853.99	6,581.62	6,498.56	86.80	33.66	69.52	159.03	803.25	2,302.09	2,231.92	70.16	32.810		
9,700.00	6,855.03	6,578.21	6,495.19	89.46	33.66	69.33	159.05	803.80	2,393.44	2,323.32	70.12	34.135		
9,800.00	6,856.06	6,575.02	6,492.04	92.14	33.65	69.15	159.07	804.30	2,485.44	2,415.37	70.07	35.468		
9,900.00	6,857.09	6,572.04	6,489.09	94.83	33.64	68.99	159.09	804.76	2,578.02	2,507.98	70.04	36.809		
10,000.00	6,858.12	6,569.24	6,486.33	97.52	33.63	68.83	159.11	805.17	2,671.12	2,601.11	70.00	38.157		
10,100.00	6,859.15	6,550.00	6,467.25	100.23	33.59	67.77	159.21	807.69	2,764.94	2,695.10	69.84	39.591		
10,200.00	6,860.18	6,550.00	6,467.25	102.94	33.59	67.77	159.21	807.69	2,858.86	2,789.02	69.84	40.936		
10,300.00	6,861.21	6,550.00	6,467.25	105.66	33.59	67.77	159.21	807.69	2,953.18	2,883.34	69.84	42.287		
10,400.00	6,862.24	6,550.00	6,467.25	108.39	33.59	67.77	159.21	807.69	3,047.86	2,978.02	69.84	43.641		
10,500.00	6,863.27	6,550.00	6,467.25	111.12	33.59	67.77	159.21	807.69	3,142.87	3,073.03	69.84	45.000		
10,600.00	6,864.30	6,550.00	6,467.25	113.86	33.59	67.77	159.21	807.69	3,238.18	3,168.33	69.85	46.362		
10,700.00	6,865.34	6,550.00	6,467.25	116.60	33.59	67.77	159.21	807.69	3,333.76	3,263.91	69.85	47.727		
10,800.00	6,866.37	6,550.00	6,467.25	119.35	33.59	67.77	159.21	807.69	3,429.60	3,359.74	69.86	49.093		
10,900.00	6,867.40	6,550.00	6,467.25	122.11	33.59	67.77	159.21	807.69	3,525.67	3,455.80	69.87	50.462		
11,000.00	6,868.43	6,550.00	6,467.25	124.87	33.59	67.77	159.21	807.69	3,621.95	3,552.07	69.88	51.833		
11,100.00	6,869.46	6,550.00	6,467.25	127.63	33.59	67.77	159.21	807.69	3,718.43	3,648.54	69.89	53.204		
11,200.00	6,870.49	6,550.00	6,467.25	130.40	33.59	67.77	159.21	807.69	3,815.09	3,745.18	69.90	54.576		
11,300.00	6,871.52	6,550.00	6,467.25	133.17	33.59	67.77	159.21	807.69	3,911.92	3,842.00	69.92	55.949		
11,400.00	6,872.55	6,550.00	6,467.25	135.94	33.59	67.77	159.21	807.69	4,008.90	3,938.96	69.94	57.323		
11,500.00	6,873.58	6,550.00	6,467.25	138.72	33.59	67.77	159.21	807.69	4,106.03	4,036.07	69.95	58.696		
11,600.00	6,874.62	6,550.00	6,467.25	141.50	33.59	67.77	159.21	807.69	4,203.29	4,133.31	69.97	60.069		
11,700.00	6,875.65	6,550.00	6,467.25	144.28	33.59	67.77	159.21	807.69	4,300.68	4,230.68	70.00	61.442		
11,800.00	6,876.68	6,550.00	6,467.25	147.07	33.59	67.77	159.21	807.69	4,398.18	4,328.16	70.02	62.815		
11,900.00	6,877.71	6,550.00	6,467.25	149.85	33.59	67.77	159.21	807.69	4,495.79	4,425.75	70.04	64.187		
12,000.00	6,878.74	6,550.00	6,467.25	152.65	33.59	67.77	159.21	807.69	4,593.51	4,523.44	70.07	65.558		
12,100.00	6,879.77	6,550.00	6,467.25	155.44	33.59	67.77	159.21	807.69	4,691.33	4,621.23	70.10	66.927		
12,200.00	6,880.80	6,550.00	6,467.25	158.23	33.59	67.77	159.21	807.69	4,789.23	4,719.10	70.12	68.296		
12,300.00	6,881.83	6,550.00	6,467.25	161.03	33.59	67.77	159.21	807.69	4,887.22	4,817.06	70.15	69.664		
12,400.00	6,882.86	6,550.00	6,467.25	163.83	33.59	67.77	159.21	807.69	4,985.29	4,915.10	70.19	71.030		
12,500.00	6,883.89	6,550.00	6,467.25	166.63	33.59	67.77	159.21	807.69	5,083.43	5,013.21	70.22	72.394		
12,600.00	6,884.93	6,550.00	6,467.25	169.43	33.59	67.77	159.21	807.69	5,181.65	5,111.39	70.25	73.757		
12,700.00	6,885.96	6,550.00	6,467.25	172.24	33.59	67.77	159.21	807.69	5,279.93	5,209.64	70.29	75.118		
12,800.00	6,886.99	6,550.00	6,467.25	175.04	33.59	67.77	159.21	807.69	5,378.27	5,307.95	70.33	76.477		
12,900.00	6,888.02	6,527.95	6,445.32	177.85	33.53	66.58	159.30	809.86	5,476.25	5,406.00	70.25	77.954		
13,000.00	6,889.05	6,527.22	6,444.58	180.66	33.52	66.54	159.30	809.92	5,574.69	5,504.40	70.29	79.313		
13,100.00	6,890.08	6,526.51	6,443.87	183.47	33.52	66.50	159.30	809.98	5,673.18	5,602.85	70.32	80.671		
13,200.00	6,891.11	6,525.82	6,443.19	186.28	33.52	66.46	159.31	810.03	5,771.71	5,701.35	70.36	82.026		
13,300.00	6,892.14	6,525.15	6,442.52	189.10	33.52	66.42	159.31	810.08	5,870.30	5,799.90	70.40	83.379		
13,400.00	6,893.17	6,524.50	6,441.88	191.91	33.52	66.39	159.31	810.13	5,968.94	5,898.49	70.45	84.730		
13,500.00	6,894.21	6,523.87	6,441.25	194.73	33.52	66.36	159.31	810.18	6,067.61	5,997.12	70.49	86.078		
13,600.00	6,895.24	6,523.26	6,440.64	197.54	33.51	66.32	159.31	810.23	6,166.33	6,095.80	70.53	87.423		
13,700.00	6,896.27	6,522.67	6,440.05	200.36	33.51	66.29	159.32	810.27	6,265.09	6,194.51	70.58	88.766		
13,800.00	6,897.30	6,500.00	6,417.42	203.18	33.45	65.08	159.37	811.53	6,364.31	6,293.79	70.52	90.248		
13,900.00	6,898.33	6,500.00	6,417.42	206.00	33.45	65.08	159.37	811.53	6,463.12	6,392.55	70.57	91.582		
14,000.00	6,899.36	6,500.00	6,417.42	208.82	33.45	65.08	159.37	811.53	6,561.97	6,491.35	70.62	92.913		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,900.39	6,500.00	6,417.42	211.64	33.45	65.08	159.37	811.53	6,660.86	6,590.18	70.68	94.242		
14,200.00	6,901.42	6,500.00	6,417.42	214.46	33.45	65.08	159.37	811.53	6,759.77	6,689.04	70.73	95.568		
14,300.00	6,902.45	6,500.00	6,417.42	217.28	33.45	65.08	159.37	811.53	6,858.72	6,787.93	70.79	96.890		
14,400.00	6,903.48	6,500.00	6,417.42	220.11	33.45	65.08	159.37	811.53	6,957.70	6,886.85	70.85	98.210		
14,500.00	6,904.52	6,500.00	6,417.42	222.93	33.45	65.08	159.37	811.53	7,056.70	6,985.80	70.90	99.527		
14,600.00	6,905.55	6,500.00	6,417.42	225.76	33.45	65.08	159.37	811.53	7,155.74	7,084.78	70.96	100.840		
14,700.00	6,906.58	6,500.00	6,417.42	228.58	33.45	65.08	159.37	811.53	7,254.80	7,183.78	71.02	102.150		
14,800.00	6,907.61	6,500.00	6,417.42	231.41	33.45	65.08	159.37	811.53	7,353.88	7,282.80	71.08	103.457		
14,900.00	6,908.64	6,500.00	6,417.42	234.24	33.45	65.08	159.37	811.53	7,453.00	7,381.85	71.14	104.761		
15,000.00	6,909.67	6,500.00	6,417.42	237.06	33.45	65.08	159.37	811.53	7,552.13	7,480.92	71.20	106.062		
15,100.00	6,910.70	6,500.00	6,417.42	239.89	33.45	65.08	159.37	811.53	7,651.29	7,580.02	71.27	107.359		
15,200.00	6,911.73	6,500.00	6,417.42	242.72	33.45	65.08	159.37	811.53	7,750.46	7,679.13	71.33	108.653		
15,300.00	6,912.76	6,500.00	6,417.42	245.55	33.45	65.08	159.37	811.53	7,849.66	7,778.27	71.40	109.943		
15,400.00	6,913.80	6,500.00	6,417.42	248.38	33.45	65.08	159.37	811.53	7,948.88	7,877.42	71.46	111.230		
15,500.00	6,914.83	6,500.00	6,417.42	251.21	33.45	65.08	159.37	811.53	8,048.12	7,976.59	71.53	112.513		
15,600.00	6,915.86	6,500.00	6,417.42	254.04	33.45	65.08	159.37	811.53	8,147.38	8,075.78	71.60	113.793		
15,700.00	6,916.89	6,500.00	6,417.42	256.88	33.45	65.08	159.37	811.53	8,246.65	8,174.99	71.67	115.070		
15,800.00	6,917.92	6,500.00	6,417.42	259.71	33.45	65.08	159.37	811.53	8,345.94	8,274.21	71.74	116.342		
15,900.00	6,918.95	6,500.00	6,417.42	262.54	33.45	65.08	159.37	811.53	8,445.25	8,373.45	71.81	117.611		
16,000.00	6,919.98	6,500.00	6,417.42	265.37	33.45	65.08	159.37	811.53	8,544.58	8,472.70	71.88	118.876		
16,100.00	6,921.01	6,500.00	6,417.42	268.21	33.45	65.08	159.37	811.53	8,643.92	8,571.97	71.95	120.138		
16,200.00	6,922.04	6,500.00	6,417.42	271.04	33.45	65.08	159.37	811.53	8,743.28	8,671.25	72.02	121.396		
16,300.00	6,923.08	6,500.00	6,417.42	273.88	33.45	65.08	159.37	811.53	8,842.65	8,770.55	72.10	122.650		
16,400.00	6,924.11	6,500.00	6,417.42	276.71	33.45	65.08	159.37	811.53	8,942.03	8,869.86	72.17	123.900		
16,500.00	6,925.14	6,500.00	6,417.42	279.55	33.45	65.08	159.37	811.53	9,041.43	8,969.18	72.25	125.147		
16,600.00	6,926.17	6,500.00	6,417.42	282.38	33.45	65.08	159.37	811.53	9,140.84	9,068.52	72.32	126.390		
16,700.00	6,927.20	6,500.00	6,417.42	285.22	33.45	65.08	159.37	811.53	9,240.26	9,167.86	72.40	127.628		
16,800.00	6,928.23	6,500.00	6,417.42	288.05	33.45	65.08	159.37	811.53	9,339.70	9,267.22	72.48	128.863		
16,900.00	6,929.26	6,500.00	6,417.42	290.89	33.45	65.08	159.37	811.53	9,439.15	9,366.59	72.56	130.094		
17,000.00	6,930.29	6,500.00	6,417.42	293.73	33.45	65.08	159.37	811.53	9,538.61	9,465.97	72.64	131.322		
17,100.00	6,931.32	6,500.00	6,417.42	296.56	33.45	65.08	159.37	811.53	9,638.08	9,565.36	72.72	132.545		
17,200.00	6,932.35	6,500.00	6,417.42	299.40	33.45	65.08	159.37	811.53	9,737.56	9,664.76	72.80	133.764		
17,300.00	6,933.39	6,500.00	6,417.42	302.24	33.45	65.08	159.37	811.53	9,837.05	9,764.17	72.88	134.979		
17,400.00	6,934.42	6,500.00	6,417.42	305.08	33.45	65.08	159.37	811.53	9,936.55	9,863.59	72.96	136.190		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-174.00	-164.30	-17.26	165.20					
100.00	100.00	100.00	100.00	3.28	3.28	-174.00	-164.30	-17.26	165.20	158.63	6.57	25.147		
200.00	200.00	200.00	200.00	3.34	3.34	-174.00	-164.30	-17.26	165.20	158.53	6.67	24.752		
300.00	300.00	300.00	300.00	3.44	3.44	-174.00	-164.30	-17.26	165.20	158.31	6.89	23.977 CC, ES		
400.00	399.98	396.33	396.31	3.60	3.59	-170.56	-165.46	-16.13	168.01	160.81	7.20	23.338		
500.00	499.84	492.06	491.92	3.81	3.77	-171.99	-168.92	-12.79	176.49	168.90	7.60	23.226 SF		
600.00	599.45	586.63	586.15	4.06	3.99	-174.09	-174.60	-7.31	190.82	182.74	8.08	23.620		
700.00	698.70	679.47	678.36	4.34	4.24	-176.53	-182.35	0.17	211.15	202.53	8.62	24.493		
775.00	772.83	747.68	745.86	4.57	4.44	-178.42	-189.41	6.99	230.39	221.33	9.06	25.431		
800.00	797.48	770.13	768.02	4.65	4.51	-179.04	-191.98	9.48	237.46	228.25	9.21	25.780		
900.00	896.11	863.92	860.45	4.97	4.81	178.56	-203.42	20.52	266.74	256.92	9.82	27.172		
1,000.00	994.74	958.95	954.10	5.31	5.15	176.59	-215.05	31.76	296.44	285.99	10.45	28.360		
1,100.00	1,093.37	1,053.99	1,047.76	5.68	5.51	174.98	-226.69	42.99	326.40	315.27	11.12	29.339		
1,200.00	1,192.00	1,149.03	1,141.41	6.06	5.88	173.64	-238.33	54.23	356.56	344.73	11.82	30.157		
1,300.00	1,290.63	1,244.07	1,235.06	6.45	6.26	172.51	-249.96	65.47	386.86	374.32	12.54	30.841		
1,400.00	1,389.26	1,339.11	1,328.71	6.86	6.65	171.54	-261.60	76.70	417.29	404.01	13.28	31.415		
1,500.00	1,487.88	1,434.15	1,422.36	7.27	7.06	170.71	-273.23	87.94	447.81	433.77	14.04	31.898		
1,600.00	1,586.51	1,529.19	1,516.01	7.69	7.47	169.98	-284.87	99.18	478.40	463.60	14.81	32.307		
1,700.00	1,685.14	1,624.22	1,609.67	8.11	7.88	169.33	-296.51	110.42	509.06	493.47	15.59	32.656		
1,800.00	1,783.77	1,719.26	1,703.32	8.54	8.30	168.76	-308.14	121.65	539.77	523.39	16.38	32.953		
1,900.00	1,882.40	1,814.30	1,796.97	8.97	8.73	168.26	-319.78	132.89	570.52	553.34	17.18	33.210		
2,000.00	1,981.03	1,909.34	1,890.62	9.41	9.16	167.80	-331.42	144.13	601.31	583.32	17.99	33.431		
2,100.00	2,079.66	2,004.38	1,984.27	9.84	9.59	167.39	-343.05	155.36	632.13	613.33	18.80	33.623		
2,200.00	2,178.28	2,100.58	2,077.92	10.29	10.03	167.01	-354.69	166.60	662.97	643.35	19.62	33.782		
2,300.00	2,276.91	2,205.54	2,171.58	10.73	10.52	166.67	-366.33	177.84	693.84	673.35	20.49	33.858		
2,400.00	2,375.54	2,289.49	2,265.23	11.18	10.91	166.36	-377.96	189.08	724.73	703.46	21.27	34.067		
2,500.00	2,474.17	2,384.53	2,358.88	11.62	11.35	166.08	-389.60	200.31	755.64	733.54	22.11	34.182		
2,600.00	2,572.80	2,479.57	2,452.53	12.07	11.79	165.81	-401.23	211.55	786.57	763.62	22.94	34.283		
2,700.00	2,671.43	2,574.61	2,546.18	12.52	12.24	165.57	-412.87	222.79	817.50	793.72	23.78	34.373		
2,800.00	2,770.05	2,669.65	2,639.84	12.97	12.69	165.34	-424.51	234.02	848.45	823.83	24.63	34.453		
2,900.00	2,868.68	2,764.69	2,733.49	13.43	13.14	165.13	-436.14	245.26	879.41	853.94	25.47	34.525		
3,000.00	2,967.31	2,859.73	2,827.14	13.88	13.58	164.94	-447.78	256.50	910.39	884.07	26.32	34.590		
3,100.00	3,065.94	2,954.77	2,920.79	14.34	14.04	164.75	-459.42	267.74	941.37	914.20	27.17	34.648		
3,200.00	3,164.57	3,049.80	3,014.44	14.79	14.49	164.58	-471.05	278.97	972.35	944.33	28.02	34.701		
3,300.00	3,263.20	3,144.84	3,108.09	15.25	14.94	164.42	-482.69	290.21	1,003.35	974.47	28.87	34.748		
3,400.00	3,361.83	3,239.88	3,201.75	15.71	15.39	164.27	-494.33	301.45	1,034.35	1,004.62	29.73	34.791		
3,500.00	3,460.45	3,334.92	3,295.40	16.17	15.85	164.13	-505.96	312.68	1,065.36	1,034.77	30.59	34.831		
3,600.00	3,559.08	3,429.96	3,389.05	16.62	16.30	163.99	-517.60	323.92	1,096.37	1,064.93	31.45	34.866		
3,700.00	3,657.71	3,525.00	3,482.70	17.08	16.76	163.87	-529.24	335.16	1,127.39	1,095.09	32.30	34.899		
3,800.00	3,756.34	3,620.04	3,576.35	17.54	17.21	163.75	-540.87	346.40	1,158.42	1,125.25	33.17	34.929		
3,900.00	3,854.97	3,715.07	3,670.01	18.00	17.67	163.63	-552.51	357.63	1,189.44	1,155.42	34.03	34.956		
4,000.00	3,953.60	3,810.11	3,763.66	18.46	18.13	163.53	-564.14	368.87	1,220.48	1,185.59	34.89	34.981		
4,100.00	4,052.23	3,905.15	3,857.31	18.92	18.58	163.42	-575.78	380.11	1,251.51	1,215.76	35.75	35.004		
4,200.00	4,150.85	4,000.19	3,950.96	19.39	19.04	163.32	-587.42	391.34	1,282.55	1,245.93	36.62	35.026		
4,300.00	4,249.48	4,095.23	4,044.61	19.85	19.50	163.23	-599.05	402.58	1,313.60	1,276.11	37.48	35.045		
4,400.00	4,348.11	4,209.73	4,138.26	20.31	20.05	163.14	-610.69	413.82	1,344.64	1,306.20	38.44	35.082		
4,500.00	4,446.74	4,285.31	4,231.92	20.77	20.42	163.06	-622.33	425.06	1,375.69	1,336.47	39.22	35.080		
4,600.00	4,545.37	4,380.34	4,325.57	21.23	20.88	162.98	-633.96	436.29	1,406.74	1,366.66	40.08	35.095		
4,700.00	4,644.00	4,475.38	4,419.22	21.70	21.34	162.90	-645.60	447.53	1,437.79	1,396.84	40.95	35.110		
4,800.00	4,742.63	4,570.42	4,512.87	22.16	21.79	162.83	-657.24	458.77	1,468.85	1,427.03	41.82	35.123		
4,900.00	4,841.25	4,665.46	4,606.52	22.62	22.25	162.75	-668.87	470.00	1,499.91	1,457.22	42.69	35.135		
5,000.00	4,939.88	4,760.50	4,700.17	23.09	22.71	162.69	-680.51	481.24	1,530.97	1,487.41	43.56	35.147		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	4,855.54	4,793.83	23.55	23.17	162.62	-692.14	492.48	1,562.03	1,517.60	44.43	35.157		
5,200.00	5,137.14	4,950.58	4,887.48	24.02	23.64	162.56	-703.78	503.72	1,593.09	1,547.79	45.30	35.167		
5,300.00	5,235.77	5,045.61	4,981.13	24.48	24.10	162.50	-715.42	514.95	1,624.16	1,577.99	46.17	35.176		
5,400.00	5,334.40	5,140.65	5,074.78	24.94	24.56	162.44	-727.05	526.19	1,655.22	1,608.18	47.04	35.185		
5,500.00	5,433.03	5,235.69	5,168.43	25.41	25.02	162.38	-738.69	537.43	1,686.29	1,638.38	47.92	35.192		
5,600.00	5,531.65	5,330.73	5,262.09	25.87	25.48	162.33	-750.33	548.66	1,717.36	1,668.57	48.79	35.200		
5,700.00	5,630.28	5,425.77	5,355.74	26.34	25.94	162.28	-761.96	559.90	1,748.43	1,698.77	49.66	35.207		
5,800.00	5,728.91	5,520.81	5,449.39	26.80	26.40	162.23	-773.60	571.14	1,779.51	1,728.97	50.54	35.213		
5,900.00	5,827.54	5,615.85	5,543.04	27.27	26.86	162.18	-785.24	582.38	1,810.58	1,759.17	51.41	35.219		
6,000.00	5,926.17	5,710.88	5,636.69	27.73	27.33	162.13	-796.87	593.61	1,841.65	1,789.37	52.28	35.224		
6,100.00	6,024.80	5,805.92	5,730.34	28.20	27.79	162.08	-808.51	604.85	1,872.73	1,819.57	53.16	35.230		
6,200.00	6,123.43	5,900.96	5,824.00	28.66	28.25	162.04	-820.14	616.09	1,903.81	1,849.77	54.03	35.234		
6,272.77	6,195.20	5,970.12	5,892.15	29.00	28.59	162.01	-828.61	624.26	1,926.42	1,871.75	54.67	35.238		
6,300.00	6,222.05	5,996.07	5,917.71	29.13	28.71	146.75	-831.79	627.33	1,934.68	1,879.77	54.91	35.235		
6,350.00	6,271.23	6,043.94	5,964.89	29.36	28.94	123.01	-837.65	632.99	1,948.72	1,893.37	55.35	35.209		
6,400.00	6,319.99	6,108.14	6,012.11	29.58	29.26	107.19	-843.52	638.66	1,961.26	1,905.40	55.86	35.110		
6,450.00	6,368.01	6,139.54	6,059.09	29.79	29.41	97.21	-849.36	644.30	1,972.26	1,916.04	56.22	35.080		
6,500.00	6,415.02	6,186.67	6,105.54	29.99	29.64	90.74	-855.13	649.87	1,981.71	1,925.05	56.65	34.979		
6,550.00	6,460.71	6,232.98	6,151.17	30.18	29.86	86.41	-860.80	655.34	1,989.61	1,932.53	57.08	34.855		
6,600.00	6,504.81	6,278.17	6,195.70	30.36	30.08	83.46	-866.33	660.69	1,996.01	1,938.50	57.50	34.710		
6,650.00	6,547.04	6,321.96	6,238.85	30.53	30.30	81.46	-871.69	665.86	2,000.97	1,943.04	57.93	34.544		
6,700.00	6,587.14	6,364.08	6,280.36	30.69	30.50	80.14	-876.85	670.84	2,004.56	1,946.21	58.34	34.357		
6,750.00	6,624.87	6,404.29	6,319.98	30.83	30.70	79.32	-881.77	675.60	2,006.88	1,948.12	58.77	34.149		
6,800.00	6,660.00	6,442.32	6,357.45	30.96	30.88	78.90	-886.43	680.09	2,008.06	1,948.86	59.20	33.920		
6,850.00	6,692.30	6,477.94	6,392.55	31.07	31.06	78.78	-890.79	684.31	2,008.20	1,948.56	59.64	33.670		
6,900.00	6,721.58	6,510.93	6,425.07	31.23	31.22	78.88	-894.83	688.21	2,007.45	1,947.34	60.11	33.398		
6,950.00	6,747.66	6,541.10	6,454.79	31.56	31.36	79.16	-898.52	691.77	2,005.94	1,945.35	60.59	33.105		
7,000.00	6,770.37	6,568.25	6,481.55	31.92	31.50	79.57	-901.85	694.98	2,003.82	1,942.71	61.11	32.791		
7,050.00	6,789.58	6,601.45	6,514.30	32.33	31.66	80.29	-905.92	698.63	2,001.19	1,939.45	61.74	32.412		
7,100.00	6,805.17	6,634.40	6,546.92	32.78	31.81	81.18	-910.02	700.70	1,998.09	1,935.66	62.43	32.005		
7,150.00	6,817.03	6,654.52	6,566.88	33.27	31.90	81.84	-912.54	701.13	1,994.78	1,931.72	63.06	31.631		
7,200.00	6,825.11	6,665.48	6,577.75	33.80	31.94	82.31	-913.92	701.09	1,991.43	1,927.77	63.67	31.278		
7,250.00	6,829.35	6,669.78	6,582.01	34.37	31.96	82.66	-914.46	701.03	1,988.15	1,923.88	64.27	30.935		
7,273.12	6,830.00	6,670.01	6,582.24	34.65	31.96	82.78	-914.49	701.02	1,986.67	1,922.12	64.55	30.779		
7,300.00	6,830.28	6,669.74	6,581.97	34.98	31.96	82.78	-914.46	701.03	1,985.15	1,920.27	64.88	30.599		
7,399.21	6,831.30	6,668.91	6,581.15	36.31	31.95	82.75	-914.35	701.04	1,982.67	1,916.47	66.20	29.950		
7,400.00	6,831.31	6,668.91	6,581.14	36.32	31.95	82.75	-914.35	701.04	1,982.67	1,916.46	66.21	29.945		
7,500.00	6,832.34	6,668.29	6,580.53	37.83	31.95	82.73	-914.27	701.05	1,985.23	1,917.55	67.68	29.333		
7,600.00	6,833.37	6,667.81	6,580.06	39.49	31.95	82.72	-914.21	701.06	1,992.81	1,923.56	69.25	28.778		
7,700.00	6,834.40	6,667.44	6,579.69	41.27	31.95	82.71	-914.17	701.07	2,005.35	1,934.48	70.87	28.294		
7,800.00	6,835.44	6,667.13	6,579.38	43.17	31.95	82.70	-914.13	701.07	2,022.77	1,950.24	72.53	27.888		
7,900.00	6,836.47	6,666.88	6,579.13	45.17	31.95	82.69	-914.10	701.08	2,044.93	1,970.75	74.18	27.566		
8,000.00	6,837.50	6,666.66	6,578.92	47.26	31.94	82.69	-914.07	701.08	2,071.69	1,995.88	75.81	27.328		
8,100.00	6,838.53	6,666.48	6,578.74	49.43	31.94	82.68	-914.05	701.08	2,102.87	2,025.48	77.39	27.173		
8,200.00	6,839.56	6,666.32	6,578.58	51.66	31.94	82.68	-914.03	701.08	2,138.27	2,059.37	78.90	27.101		
8,300.00	6,840.59	6,666.19	6,578.45	53.95	31.94	82.67	-914.01	701.08	2,177.70	2,097.36	80.34	27.106		
8,400.00	6,841.62	6,666.06	6,578.33	56.29	31.94	82.67	-913.99	701.09	2,220.93	2,139.23	81.70	27.186		
8,500.00	6,842.65	6,665.96	6,578.22	58.67	31.94	82.67	-913.98	701.09	2,267.75	2,184.78	82.96	27.334		
8,600.00	6,843.68	6,665.86	6,578.12	61.10	31.94	82.66	-913.97	701.09	2,317.94	2,233.79	84.14	27.547		
8,700.00	6,844.71	6,665.77	6,578.04	63.56	31.94	82.66	-913.96	701.09	2,371.28	2,286.05	85.24	27.820		
8,800.00	6,845.75	6,665.00	6,562.39	66.05	31.88	82.20	-911.97	701.09	2,427.74	2,341.67	86.08	28.205		
8,900.00	6,846.78	6,665.00	6,562.39	68.58	31.88	82.20	-911.97	701.09	2,486.79	2,399.79	87.00	28.584		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,847.81	6,650.00	6,562.39	71.12	31.88	82.20	-911.97	701.09	2,548.39	2,460.55	87.85	29.009		
9,100.00	6,848.84	6,650.00	6,562.39	73.69	31.88	82.20	-911.97	701.09	2,612.37	2,523.75	88.62	29.478		
9,200.00	6,849.87	6,650.00	6,562.39	76.28	31.88	82.20	-911.97	701.09	2,678.56	2,589.23	89.33	29.986		
9,300.00	6,850.90	6,650.00	6,562.39	78.89	31.88	82.20	-911.97	701.09	2,746.79	2,656.82	89.97	30.531		
9,400.00	6,851.93	6,650.00	6,562.39	81.51	31.88	82.20	-911.97	701.09	2,816.92	2,726.37	90.55	31.108		
9,500.00	6,852.96	6,650.00	6,562.39	84.15	31.88	82.20	-911.97	701.09	2,888.81	2,797.73	91.08	31.717		
9,600.00	6,853.99	6,650.00	6,562.39	86.80	31.88	82.20	-911.97	701.09	2,962.33	2,870.77	91.56	32.353		
9,700.00	6,855.03	6,650.00	6,562.39	89.46	31.88	82.20	-911.97	701.09	3,037.37	2,945.37	92.00	33.015		
9,800.00	6,856.06	6,650.00	6,562.39	92.14	31.88	82.20	-911.97	701.09	3,113.81	3,021.41	92.40	33.700		
9,900.00	6,857.09	6,650.00	6,562.39	94.83	31.88	82.20	-911.97	701.09	3,191.55	3,098.79	92.76	34.407		
10,000.00	6,858.12	6,650.00	6,562.39	97.52	31.88	82.20	-911.97	701.09	3,270.50	3,177.42	93.08	35.135		
10,100.00	6,859.15	6,650.00	6,562.39	100.23	31.88	82.20	-911.97	701.09	3,350.58	3,257.19	93.38	35.881		
10,200.00	6,860.18	6,650.00	6,562.39	102.94	31.88	82.20	-911.97	701.09	3,431.70	3,338.05	93.65	36.643		
10,300.00	6,861.21	6,650.00	6,562.39	105.66	31.88	82.20	-911.97	701.09	3,513.79	3,419.89	93.90	37.422		
10,400.00	6,862.24	6,650.00	6,562.39	108.39	31.88	82.20	-911.97	701.09	3,596.79	3,502.67	94.12	38.215		
10,500.00	6,863.27	6,650.00	6,562.39	111.12	31.88	82.20	-911.97	701.09	3,680.64	3,586.31	94.32	39.021		
10,600.00	6,864.30	6,650.00	6,562.39	113.86	31.88	82.20	-911.97	701.09	3,765.27	3,670.76	94.51	39.840		
10,700.00	6,865.34	6,650.00	6,562.39	116.60	31.88	82.20	-911.97	701.09	3,850.65	3,755.97	94.68	40.671		
10,800.00	6,866.37	6,650.00	6,562.39	119.35	31.88	82.20	-911.97	701.09	3,936.71	3,841.87	94.83	41.512		
10,900.00	6,867.40	6,650.00	6,562.39	122.11	31.88	82.20	-911.97	701.09	4,023.41	3,928.44	94.97	42.363		
11,000.00	6,868.43	6,650.00	6,562.39	124.87	31.88	82.20	-911.97	701.09	4,110.72	4,015.62	95.10	43.223		
11,100.00	6,869.46	6,650.00	6,562.39	127.63	31.88	82.20	-911.97	701.09	4,198.60	4,103.37	95.22	44.092		
11,200.00	6,870.49	6,650.00	6,562.39	130.40	31.88	82.20	-911.97	701.09	4,287.00	4,191.67	95.33	44.969		
11,300.00	6,871.52	6,650.00	6,562.39	133.17	31.88	82.20	-911.97	701.09	4,375.91	4,280.48	95.43	45.853		
11,400.00	6,872.55	6,650.00	6,562.39	135.94	31.88	82.20	-911.97	701.09	4,465.28	4,369.76	95.53	46.744		
11,500.00	6,873.58	6,650.00	6,562.39	138.72	31.88	82.20	-911.97	701.09	4,555.10	4,459.49	95.61	47.641		
11,600.00	6,874.62	6,650.00	6,562.39	141.50	31.88	82.20	-911.97	701.09	4,645.34	4,549.64	95.69	48.544		
11,700.00	6,875.65	6,650.00	6,562.39	144.28	31.88	82.20	-911.97	701.09	4,735.96	4,640.19	95.77	49.453		
11,800.00	6,876.68	6,650.00	6,562.39	147.07	31.88	82.20	-911.97	701.09	4,826.96	4,731.12	95.84	50.367		
11,900.00	6,877.71	6,650.00	6,562.39	149.85	31.88	82.20	-911.97	701.09	4,918.30	4,822.40	95.90	51.286		
12,000.00	6,878.74	6,650.00	6,562.39	152.65	31.88	82.20	-911.97	701.09	5,009.98	4,914.02	95.96	52.209		
12,100.00	6,879.77	6,650.00	6,562.39	155.44	31.88	82.20	-911.97	701.09	5,101.97	5,005.95	96.02	53.136		
12,200.00	6,880.80	6,650.00	6,562.39	158.23	31.88	82.20	-911.97	701.09	5,194.25	5,098.18	96.07	54.067		
12,300.00	6,881.83	6,650.00	6,562.39	161.03	31.88	82.20	-911.97	701.09	5,286.82	5,190.70	96.12	55.002		
12,400.00	6,882.86	6,650.00	6,562.39	163.83	31.88	82.20	-911.97	701.09	5,379.65	5,283.48	96.17	55.940		
12,500.00	6,883.89	6,650.00	6,562.39	166.63	31.88	82.20	-911.97	701.09	5,472.73	5,376.52	96.21	56.882		
12,600.00	6,884.93	6,650.00	6,562.39	169.43	31.88	82.20	-911.97	701.09	5,566.06	5,469.80	96.26	57.826		
12,700.00	6,885.96	6,650.00	6,562.39	172.24	31.88	82.20	-911.97	701.09	5,659.61	5,563.31	96.30	58.772		
12,800.00	6,886.99	6,650.00	6,562.39	175.04	31.88	82.20	-911.97	701.09	5,753.38	5,657.04	96.34	59.722		
12,900.00	6,888.02	6,650.00	6,562.39	177.85	31.88	82.20	-911.97	701.09	5,847.35	5,750.98	96.37	60.673		
13,000.00	6,889.05	6,650.00	6,562.39	180.66	31.88	82.20	-911.97	701.09	5,941.53	5,845.12	96.41	61.627		
13,100.00	6,890.08	6,650.00	6,562.39	183.47	31.88	82.20	-911.97	701.09	6,035.89	5,939.44	96.45	62.582		
13,200.00	6,891.11	6,650.00	6,562.39	186.28	31.88	82.20	-911.97	701.09	6,130.42	6,033.94	96.48	63.540		
13,300.00	6,892.14	6,650.00	6,562.39	189.10	31.88	82.20	-911.97	701.09	6,225.13	6,128.62	96.52	64.499		
13,400.00	6,893.17	6,650.00	6,562.39	191.91	31.88	82.20	-911.97	701.09	6,320.01	6,223.46	96.55	65.459		
13,500.00	6,894.21	6,650.00	6,562.39	194.73	31.88	82.20	-911.97	701.09	6,415.03	6,318.45	96.58	66.421		
13,600.00	6,895.24	6,650.00	6,562.39	197.54	31.88	82.20	-911.97	701.09	6,510.21	6,413.60	96.61	67.384		
13,700.00	6,896.27	6,650.00	6,562.39	200.36	31.88	82.20	-911.97	701.09	6,605.53	6,508.89	96.65	68.348		
13,800.00	6,897.30	6,650.00	6,562.39	203.18	31.88	82.20	-911.97	701.09	6,700.99	6,604.31	96.68	69.313		
13,900.00	6,898.33	6,650.00	6,562.39	206.00	31.88	82.20	-911.97	701.09	6,796.57	6,699.87	96.71	70.279		
14,000.00	6,899.36	6,650.00	6,562.39	208.82	31.88	82.20	-911.97	701.09	6,892.29	6,795.55	96.74	71.246		
14,100.00	6,900.39	6,650.00	6,562.39	211.64	31.88	82.20	-911.97	701.09	6,988.12	6,891.35	96.77	72.214		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,901.42	6,650.00	6,562.39	214.46	31.88	82.20	-911.97	701.09	7,084.06	6,987.26	96.80	73.182		
14,300.00	6,902.45	6,650.00	6,562.39	217.28	31.88	82.20	-911.97	701.09	7,180.12	7,083.29	96.83	74.150		
14,400.00	6,903.48	6,650.00	6,562.39	220.11	31.88	82.20	-911.97	701.09	7,276.29	7,179.42	96.86	75.119		
14,500.00	6,904.52	6,650.00	6,562.39	222.93	31.88	82.20	-911.97	701.09	7,372.55	7,275.66	96.89	76.089		
14,600.00	6,905.55	6,650.00	6,562.39	225.76	31.88	82.20	-911.97	701.09	7,468.92	7,371.99	96.93	77.058		
14,700.00	6,906.58	6,650.00	6,562.39	228.58	31.88	82.20	-911.97	701.09	7,565.37	7,468.42	96.96	78.028		
14,800.00	6,907.61	6,650.00	6,562.39	231.41	31.88	82.20	-911.97	701.09	7,661.92	7,564.94	96.99	78.998		
14,900.00	6,908.64	6,650.00	6,562.39	234.24	31.88	82.20	-911.97	701.09	7,758.56	7,661.54	97.02	79.968		
15,000.00	6,909.67	6,650.00	6,562.39	237.06	31.88	82.20	-911.97	701.09	7,855.28	7,758.23	97.05	80.938		
15,100.00	6,910.70	6,650.00	6,562.39	239.89	31.88	82.20	-911.97	701.09	7,952.08	7,855.00	97.09	81.907		
15,200.00	6,911.73	6,650.00	6,562.39	242.72	31.88	82.20	-911.97	701.09	8,048.96	7,951.84	97.12	82.877		
15,300.00	6,912.76	6,650.00	6,562.39	245.55	31.88	82.20	-911.97	701.09	8,145.92	8,048.77	97.15	83.846		
15,400.00	6,913.80	6,650.00	6,562.39	248.38	31.88	82.20	-911.97	701.09	8,242.95	8,145.76	97.19	84.815		
15,500.00	6,914.83	6,650.00	6,562.39	251.21	31.88	82.20	-911.97	701.09	8,340.05	8,242.83	97.22	85.784		
15,600.00	6,915.86	6,650.00	6,562.39	254.04	31.88	82.20	-911.97	701.09	8,437.21	8,339.96	97.26	86.753		
15,700.00	6,916.89	6,650.00	6,562.39	256.88	31.88	82.20	-911.97	701.09	8,534.44	8,437.15	97.29	87.721		
15,800.00	6,917.92	6,650.00	6,562.39	259.71	31.88	82.20	-911.97	701.09	8,631.74	8,534.41	97.33	88.688		
15,900.00	6,918.95	6,650.00	6,562.39	262.54	31.88	82.20	-911.97	701.09	8,729.10	8,631.73	97.36	89.655		
16,000.00	6,919.98	6,650.00	6,562.39	265.37	31.88	82.20	-911.97	701.09	8,826.51	8,729.11	97.40	90.621		
16,100.00	6,921.01	6,650.00	6,562.39	268.21	31.88	82.20	-911.97	701.09	8,923.98	8,826.55	97.44	91.587		
16,200.00	6,922.04	6,650.00	6,562.39	271.04	31.88	82.20	-911.97	701.09	9,021.51	8,924.04	97.48	92.552		
16,300.00	6,923.08	6,650.00	6,562.39	273.88	31.88	82.20	-911.97	701.09	9,119.09	9,021.58	97.51	93.516		
16,400.00	6,924.11	6,650.00	6,562.39	276.71	31.88	82.20	-911.97	701.09	9,216.73	9,119.17	97.55	94.480		
16,500.00	6,925.14	6,650.00	6,562.39	279.55	31.88	82.20	-911.97	701.09	9,314.41	9,216.82	97.59	95.443		
16,600.00	6,926.17	6,650.00	6,562.39	282.38	31.88	82.20	-911.97	701.09	9,412.14	9,314.51	97.63	96.405		
16,700.00	6,927.20	6,650.00	6,562.39	285.22	31.88	82.20	-911.97	701.09	9,509.92	9,412.25	97.67	97.366		
16,800.00	6,928.23	6,650.00	6,562.39	288.05	31.88	82.20	-911.97	701.09	9,607.75	9,510.03	97.71	98.326		
16,900.00	6,929.26	6,650.00	6,562.39	290.89	31.88	82.20	-911.97	701.09	9,705.62	9,607.86	97.75	99.285		
17,000.00	6,930.29	6,650.00	6,562.39	293.73	31.88	82.20	-911.97	701.09	9,803.53	9,705.73	97.80	100.243		
17,100.00	6,931.32	6,650.00	6,562.39	296.56	31.88	82.20	-911.97	701.09	9,901.48	9,803.64	97.84	101.201		
17,200.00	6,932.35	6,650.00	6,562.39	299.40	31.88	82.20	-911.97	701.09	9,999.48	9,901.59	97.88	102.157		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-173.94	-149.36	-15.87	150.20					
100.00	100.00	100.00	100.00	3.28	3.28	-173.94	-149.36	-15.87	150.20	143.63	6.57	22.864		
200.00	200.00	200.00	200.00	3.34	3.34	-173.94	-149.36	-15.87	150.20	143.53	6.67	22.505		
300.00	300.00	300.00	300.00	3.44	3.44	-173.94	-149.36	-15.87	150.20	143.31	6.89	21.800 CC, ES		
400.00	399.98	397.05	397.03	3.60	3.59	-170.59	-150.42	-14.61	152.88	145.68	7.20	21.234		
500.00	499.84	493.53	493.38	3.81	3.78	-172.30	-153.57	-10.87	161.00	153.40	7.60	21.184 SF		
600.00	599.45	588.86	588.37	4.06	4.00	-174.78	-158.73	-4.74	174.78	166.70	8.08	21.630		
700.00	698.70	682.52	681.38	4.34	4.25	-177.63	-165.78	3.64	194.45	185.83	8.62	22.547		
775.00	772.83	751.36	749.49	4.57	4.45	-179.82	-172.21	11.27	213.15	204.09	9.07	23.513		
800.00	797.48	774.03	771.87	4.65	4.52	-179.46	-174.56	14.06	220.04	210.82	9.22	23.870		
900.00	896.11	868.72	865.21	4.97	4.83	-176.77	-184.83	26.25	248.41	238.58	9.83	25.275		
1,000.00	994.74	964.00	959.13	5.31	5.17	-174.60	-195.17	38.53	277.22	266.75	10.47	26.476		
1,100.00	1,093.37	1,059.29	1,053.05	5.68	5.53	-172.84	-205.51	50.81	306.32	295.17	11.15	27.479		
1,200.00	1,192.00	1,154.57	1,146.97	6.06	5.90	-171.39	-215.85	63.09	335.65	323.79	11.85	28.324		
1,300.00	1,290.63	1,249.86	1,240.90	6.45	6.28	-170.17	-226.19	75.37	365.14	352.56	12.57	29.037		
1,400.00	1,389.26	1,345.14	1,334.82	6.86	6.68	-169.13	-236.53	87.65	394.76	381.44	13.32	29.640		
1,500.00	1,487.88	1,440.43	1,428.74	7.27	7.08	-168.23	-246.87	99.93	424.48	410.40	14.08	30.153		
1,600.00	1,586.51	1,535.71	1,522.66	7.69	7.49	-167.45	-257.21	112.21	454.28	439.43	14.85	30.591		
1,700.00	1,685.14	1,631.00	1,616.59	8.11	7.91	-166.77	-267.55	124.49	484.15	468.52	15.63	30.967		
1,800.00	1,783.77	1,726.28	1,710.51	8.54	8.33	-166.17	-277.90	136.77	514.08	497.65	16.43	31.292		
1,900.00	1,882.40	1,821.56	1,804.43	8.97	8.76	-165.63	-288.24	149.05	544.06	526.82	17.23	31.574		
2,000.00	1,981.03	1,916.85	1,898.35	9.41	9.19	-165.15	-298.58	161.34	574.07	556.03	18.04	31.819		
2,100.00	2,079.66	2,012.13	1,992.28	9.84	9.62	-164.72	-308.92	173.62	604.11	585.26	18.86	32.034		
2,200.00	2,178.28	2,107.42	2,086.20	10.29	10.06	-164.33	-319.26	185.90	634.19	614.51	19.68	32.224		
2,300.00	2,276.91	2,202.70	2,180.12	10.73	10.50	-163.97	-329.60	198.18	664.29	643.78	20.51	32.391		
2,400.00	2,375.54	2,302.01	2,274.04	11.18	10.96	-163.64	-339.94	210.46	694.41	673.05	21.36	32.513		
2,500.00	2,474.17	2,406.73	2,367.97	11.62	11.44	-163.34	-350.28	222.74	724.55	702.31	22.24	32.585		
2,600.00	2,572.80	2,488.56	2,461.89	12.07	11.83	-163.07	-360.62	235.02	754.70	731.69	23.02	32.791		
2,700.00	2,671.43	2,583.84	2,555.81	12.52	12.27	-162.81	-370.97	247.30	784.87	761.01	23.86	32.897		
2,800.00	2,770.05	2,679.13	2,649.73	12.97	12.72	-162.58	-381.31	259.58	815.06	790.35	24.70	32.993		
2,900.00	2,868.68	2,774.41	2,743.66	13.43	13.17	-162.36	-391.65	271.86	845.25	819.70	25.55	33.080		
3,000.00	2,967.31	2,869.70	2,837.58	13.88	13.62	-162.16	-401.99	284.14	875.46	849.05	26.40	33.158		
3,100.00	3,065.94	2,964.98	2,931.50	14.34	14.07	-161.97	-412.33	296.42	905.67	878.42	27.25	33.230		
3,200.00	3,164.57	3,060.27	3,025.42	14.79	14.52	-161.79	-422.67	308.70	935.89	907.79	28.11	33.295		
3,300.00	3,263.20	3,155.55	3,119.35	15.25	14.98	-161.62	-433.01	320.98	966.13	937.16	28.97	33.354		
3,400.00	3,361.83	3,250.83	3,213.27	15.71	15.43	-161.47	-443.35	333.26	996.36	966.54	29.82	33.409		
3,500.00	3,460.45	3,346.12	3,307.19	16.17	15.88	-161.32	-453.69	345.54	1,026.61	995.92	30.68	33.459		
3,600.00	3,559.08	3,441.40	3,401.11	16.62	16.34	-161.18	-464.03	357.82	1,056.86	1,025.31	31.54	33.505		
3,700.00	3,657.71	3,536.69	3,495.04	17.08	16.79	-161.05	-474.38	370.10	1,087.11	1,054.71	32.41	33.547		
3,800.00	3,756.34	3,631.97	3,588.96	17.54	17.25	-160.93	-484.72	382.38	1,117.37	1,084.10	33.27	33.586		
3,900.00	3,854.97	3,727.26	3,682.88	18.00	17.71	-160.81	-495.06	394.66	1,147.64	1,113.50	34.13	33.623		
4,000.00	3,953.60	3,822.54	3,776.80	18.46	18.16	-160.70	-505.40	406.94	1,177.91	1,142.91	35.00	33.656		
4,100.00	4,052.23	3,917.83	3,870.73	18.92	18.62	-160.59	-515.74	419.22	1,208.18	1,172.31	35.86	33.688		
4,200.00	4,150.85	4,013.11	3,964.65	19.39	19.08	-160.49	-526.08	431.50	1,238.45	1,201.72	36.73	33.717		
4,300.00	4,249.48	4,108.40	4,058.57	19.85	19.54	-160.40	-536.42	443.78	1,268.73	1,231.13	37.60	33.744		
4,400.00	4,348.11	4,203.68	4,152.49	20.31	20.00	-160.31	-546.76	456.06	1,299.02	1,260.55	38.47	33.769		
4,500.00	4,446.74	4,301.03	4,246.41	20.77	20.47	-160.22	-557.10	468.34	1,329.30	1,289.96	39.35	33.785		
4,600.00	4,545.37	4,405.75	4,340.34	21.23	20.97	-160.14	-567.45	480.63	1,359.59	1,319.33	40.26	33.771		
4,700.00	4,644.00	4,489.54	4,434.26	21.70	21.37	-160.06	-577.79	492.91	1,389.88	1,348.80	41.08	33.836		
4,800.00	4,742.63	4,584.82	4,528.18	22.16	21.83	-159.98	-588.13	505.19	1,420.17	1,378.22	41.95	33.855		
4,900.00	4,841.25	4,680.10	4,622.10	22.62	22.29	-159.91	-598.47	517.47	1,450.47	1,407.65	42.82	33.873		
5,000.00	4,939.88	4,775.39	4,716.03	23.09	22.75	-159.84	-608.81	529.75	1,480.77	1,437.07	43.69	33.891		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	4,870.67	4,809.95	23.55	23.22	159.77	-619.15	542.03	1,511.06	1,466.50	44.57	33.907		
5,200.00	5,137.14	4,965.96	4,903.87	24.02	23.68	159.70	-629.49	554.31	1,541.37	1,495.93	45.44	33.922		
5,300.00	5,235.77	5,061.24	4,997.79	24.48	24.14	159.64	-639.83	566.59	1,571.67	1,525.36	46.31	33.936		
5,400.00	5,334.40	5,156.53	5,091.72	24.94	24.60	159.58	-650.17	578.87	1,601.97	1,554.79	47.19	33.950		
5,500.00	5,433.03	5,251.81	5,185.64	25.41	25.06	159.52	-660.51	591.15	1,632.28	1,584.22	48.06	33.962		
5,600.00	5,531.65	5,347.10	5,279.56	25.87	25.52	159.47	-670.86	603.43	1,662.58	1,613.65	48.94	33.974		
5,700.00	5,630.28	5,442.38	5,373.48	26.34	25.98	159.42	-681.20	615.71	1,692.89	1,643.08	49.81	33.986		
5,800.00	5,728.91	5,537.67	5,467.41	26.80	26.44	159.36	-691.54	627.99	1,723.20	1,672.52	50.69	33.997		
5,900.00	5,827.54	5,632.95	5,561.33	27.27	26.91	159.31	-701.88	640.27	1,753.51	1,701.95	51.56	34.007		
6,000.00	5,926.17	5,728.24	5,655.25	27.73	27.37	159.27	-712.22	652.55	1,783.83	1,731.39	52.44	34.016		
6,100.00	6,024.80	5,823.52	5,749.17	28.20	27.83	159.22	-722.56	664.83	1,814.14	1,760.82	53.32	34.026		
6,200.00	6,123.43	5,918.81	5,843.10	28.66	28.29	159.17	-732.90	677.11	1,844.45	1,790.26	54.19	34.034		
6,272.77	6,195.20	5,988.15	5,911.45	29.00	28.63	159.14	-740.43	686.05	1,866.52	1,811.68	54.83	34.040		
6,300.00	6,222.05	6,014.16	5,937.09	29.13	28.75	143.92	-743.25	689.40	1,874.54	1,819.46	55.07	34.038		
6,350.00	6,271.23	6,062.20	5,984.44	29.36	28.98	120.26	-748.46	695.59	1,888.01	1,832.50	55.51	34.011		
6,400.00	6,319.99	6,110.33	6,031.88	29.58	29.22	104.53	-753.69	701.80	1,899.82	1,843.87	55.95	33.954		
6,450.00	6,368.01	6,158.25	6,079.12	29.79	29.45	94.65	-758.89	707.97	1,909.92	1,853.53	56.39	33.869		
6,500.00	6,415.02	6,205.71	6,126.03	29.99	29.65	84.77	-764.08	714.14	1,919.99	1,863.53	56.83	33.784		
6,550.00	6,460.71	6,251.40	6,171.72	30.18	29.84	74.89	-769.27	720.31	1,929.99	1,873.53	57.27	33.699		
6,600.00	6,504.81	6,297.10	6,217.42	30.36	30.02	65.01	-774.46	726.48	1,939.99	1,883.53	57.71	33.614		
6,650.00	6,547.04	6,342.80	6,263.13	30.53	30.19	55.13	-779.65	732.65	1,949.99	1,893.53	58.15	33.529		
6,700.00	6,587.14	6,388.50	6,308.83	30.69	30.35	45.25	-784.84	738.82	1,959.99	1,903.53	58.59	33.444		
6,750.00	6,624.87	6,434.23	6,354.56	30.83	30.49	35.37	-789.99	744.99	1,969.99	1,913.53	59.03	33.359		
6,800.00	6,660.00	6,479.96	6,399.89	30.96	30.62	25.49	-795.18	751.16	1,979.99	1,923.53	59.47	33.274		
6,850.00	6,692.30	6,525.66	6,445.59	31.07	30.73	15.61	-799.99	757.33	1,989.99	1,933.53	59.91	33.189		
6,900.00	6,721.58	6,571.35	6,491.28	31.23	30.89	5.73	-804.84	763.50	1,999.99	1,943.53	60.35	33.104		
6,950.00	6,747.66	6,617.04	6,536.97	31.56	31.22	-4.14	-809.65	769.67	2,009.99	1,953.53	60.79	33.019		
7,000.00	6,770.37	6,662.73	6,582.66	31.92	31.58	-13.92	-814.46	775.84	2,019.99	1,963.53	61.23	32.934		
7,050.00	6,789.58	6,681.94	6,601.87	32.33	31.99	-23.70	-819.27	781.99	2,029.99	1,973.53	61.67	32.849		
7,100.00	6,805.17	6,701.53	6,617.46	32.78	32.44	-33.48	-824.08	788.14	2,039.99	1,983.53	62.11	32.764		
7,150.00	6,817.03	6,713.39	6,629.32	33.27	32.93	-43.26	-828.89	794.29	2,049.99	1,993.53	62.55	32.679		
7,200.00	6,825.11	6,721.46	6,637.39	33.80	33.46	-53.04	-833.70	800.44	2,059.99	2,003.53	63.00	32.594		
7,250.00	6,829.35	6,725.70	6,641.63	34.37	34.03	-62.82	-838.51	806.59	2,069.99	2,013.53	63.44	32.509		
7,273.12	6,830.00	6,726.23	6,642.16	34.65	34.31	-67.60	-842.32	809.99	2,074.99	2,018.53	63.60	32.474		
7,300.00	6,830.28	6,726.51	6,642.44	34.98	34.64	-72.38	-846.13	813.33	2,079.99	2,023.53	63.76	32.439		
7,319.02	6,830.48	6,726.71	6,642.64	35.23	34.89	-77.16	-849.94	816.67	2,084.99	2,028.53	63.92	32.404		
7,400.00	6,831.31	6,727.54	6,643.47	36.32	35.98	-86.94	-854.75	822.82	2,094.99	2,038.53	64.36	32.319		
7,500.00	6,832.34	6,728.57	6,644.50	37.83	37.49	-96.72	-859.56	828.97	2,104.99	2,048.53	64.80	32.234		
7,600.00	6,833.37	6,729.60	6,645.53	39.49	39.15	-106.50	-864.37	835.12	2,114.99	2,058.53	65.24	32.149		
7,700.00	6,834.40	6,730.63	6,646.56	41.27	40.93	-116.28	-869.18	841.27	2,124.99	2,068.53	65.68	32.064		
7,800.00	6,835.44	6,731.67	6,647.60	43.17	42.83	-126.06	-873.99	847.42	2,134.99	2,078.53	66.12	31.979		
7,900.00	6,836.47	6,732.70	6,648.63	45.17	44.83	-135.84	-878.80	853.57	2,144.99	2,088.53	66.56	31.894		
8,000.00	6,837.50	6,733.74	6,649.66	47.26	46.92	-145.62	-883.61	859.72	2,154.99	2,098.53	67.00	31.809		
8,100.00	6,838.53	6,734.77	6,650.69	49.43	49.09	-155.40	-888.42	865.87	2,164.99	2,108.53	67.44	31.724		
8,200.00	6,839.56	6,735.80	6,651.72	51.66	51.32	-165.18	-893.23	872.02	2,174.99	2,118.53	67.88	31.639		
8,300.00	6,840.59	6,736.83	6,652.75	53.95	53.61	-174.96	-898.04	878.17	2,184.99	2,128.53	68.32	31.554		
8,400.00	6,841.62	6,737.86	6,653.78	56.29	55.95	-184.74	-902.85	884.32	2,194.99	2,138.53	68.76	31.469		
8,500.00	6,842.65	6,738.89	6,654.81	58.67	58.33	-194.52	-907.66	890.47	2,204.99	2,148.53	69.20	31.384		
8,600.00	6,843.68	6,739.92	6,655.84	61.10	60.76	-204.30	-912.47	896.62	2,214.99	2,158.53	69.64	31.299		
8,700.00	6,844.71	6,740.95	6,656.87	63.56	63.22	-214.08	-917.28	902.77	2,224.99	2,168.53	70.08	31.214		
8,800.00	6,845.75	6,741.98	6,657.90	66.05	65.71	-223.86	-922.09	908.92	2,234.99	2,178.53	70.52	31.129		
8,900.00	6,846.78	6,743.01	6,658.93	68.58	68.24	-233.64	-926.90	915.07	2,244.99	2,188.53	70.96	31.044		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,847.81	6,431.07	6,348.76	71.12	30.63	75.32	-789.49	714.11	2,480.49	2,396.44	84.05	29.512		
9,100.00	6,848.84	6,426.75	6,344.53	73.69	30.61	75.19	-788.99	714.84	2,545.72	2,461.00	84.72	30.048		
9,200.00	6,849.87	6,422.77	6,340.63	76.28	30.60	75.07	-788.52	715.49	2,613.13	2,527.79	85.33	30.622		
9,300.00	6,850.90	6,419.10	6,337.03	78.89	30.58	74.96	-788.09	716.06	2,682.54	2,596.65	85.89	31.232		
9,400.00	6,851.93	6,400.00	6,318.25	81.51	30.52	74.40	-785.86	718.71	2,754.01	2,667.79	86.23	31.940		
9,500.00	6,852.96	6,400.00	6,318.25	84.15	30.52	74.40	-785.86	718.71	2,826.95	2,740.23	86.72	32.599		
9,600.00	6,853.99	6,400.00	6,318.25	86.80	30.52	74.40	-785.86	718.71	2,901.50	2,814.33	87.17	33.287		
9,700.00	6,855.03	6,400.00	6,318.25	89.46	30.52	74.40	-785.86	718.71	2,977.54	2,889.97	87.57	34.001		
9,800.00	6,856.06	6,400.00	6,318.25	92.14	30.52	74.40	-785.86	718.71	3,054.97	2,967.03	87.94	34.739		
9,900.00	6,857.09	6,400.00	6,318.25	94.83	30.52	74.40	-785.86	718.71	3,133.67	3,045.40	88.27	35.500		
10,000.00	6,858.12	6,400.00	6,318.25	97.52	30.52	74.40	-785.86	718.71	3,213.56	3,124.98	88.57	36.281		
10,100.00	6,859.15	6,400.00	6,318.25	100.23	30.52	74.40	-785.86	718.71	3,294.54	3,205.69	88.85	37.081		
10,200.00	6,860.18	6,400.00	6,318.25	102.94	30.52	74.40	-785.86	718.71	3,376.55	3,287.45	89.10	37.898		
10,300.00	6,861.21	6,400.00	6,318.25	105.66	30.52	74.40	-785.86	718.71	3,459.50	3,370.17	89.32	38.730		
10,400.00	6,862.24	6,400.00	6,318.25	108.39	30.52	74.40	-785.86	718.71	3,543.33	3,453.80	89.53	39.578		
10,500.00	6,863.27	6,400.00	6,318.25	111.12	30.52	74.40	-785.86	718.71	3,627.98	3,538.26	89.72	40.439		
10,600.00	6,864.30	6,400.00	6,318.25	113.86	30.52	74.40	-785.86	718.71	3,713.39	3,623.51	89.89	41.312		
10,700.00	6,865.34	6,400.00	6,318.25	116.60	30.52	74.40	-785.86	718.71	3,799.52	3,709.48	90.04	42.197		
10,800.00	6,866.37	6,400.00	6,318.25	119.35	30.52	74.40	-785.86	718.71	3,886.31	3,796.13	90.18	43.093		
10,900.00	6,867.40	6,400.00	6,318.25	122.11	30.52	74.40	-785.86	718.71	3,973.72	3,883.41	90.32	43.998		
11,000.00	6,868.43	6,400.00	6,318.25	124.87	30.52	74.40	-785.86	718.71	4,061.72	3,971.28	90.44	44.913		
11,100.00	6,869.46	6,400.00	6,318.25	127.63	30.52	74.40	-785.86	718.71	4,150.25	4,059.71	90.55	45.836		
11,200.00	6,870.49	6,400.00	6,318.25	130.40	30.52	74.40	-785.86	718.71	4,239.30	4,148.65	90.65	46.767		
11,300.00	6,871.52	6,379.04	6,297.55	133.17	30.44	73.78	-783.43	720.97	4,328.46	4,237.90	90.56	47.796		
11,400.00	6,872.55	6,377.93	6,296.45	135.94	30.44	73.75	-783.30	721.07	4,418.39	4,327.75	90.64	48.746		
11,500.00	6,873.58	6,376.86	6,295.40	138.72	30.43	73.72	-783.18	721.16	4,508.75	4,418.04	90.71	49.703		
11,600.00	6,874.62	6,375.84	6,294.39	141.50	30.43	73.69	-783.06	721.25	4,599.50	4,508.72	90.78	50.665		
11,700.00	6,875.65	6,374.87	6,293.42	144.28	30.42	73.66	-782.95	721.34	4,690.63	4,599.79	90.85	51.633		
11,800.00	6,876.68	6,373.93	6,292.49	147.07	30.42	73.63	-782.84	721.42	4,782.11	4,691.21	90.91	52.606		
11,900.00	6,877.71	6,373.02	6,291.60	149.85	30.42	73.61	-782.73	721.49	4,873.93	4,782.97	90.96	53.583		
12,000.00	6,878.74	6,372.15	6,290.74	152.65	30.41	73.58	-782.63	721.56	4,966.06	4,875.04	91.01	54.564		
12,100.00	6,879.77	6,350.00	6,268.78	155.44	30.33	72.93	-780.08	722.96	5,058.86	4,967.98	90.88	55.664		
12,200.00	6,880.80	6,350.00	6,268.78	158.23	30.33	72.93	-780.08	722.96	5,151.54	5,060.61	90.94	56.649		
12,300.00	6,881.83	6,350.00	6,268.78	161.03	30.33	72.93	-780.08	722.96	5,244.49	5,153.50	90.99	57.638		
12,400.00	6,882.86	6,350.00	6,268.78	163.83	30.33	72.93	-780.08	722.96	5,337.70	5,246.66	91.04	58.631		
12,500.00	6,883.89	6,350.00	6,268.78	166.63	30.33	72.93	-780.08	722.96	5,431.14	5,340.06	91.09	59.626		
12,600.00	6,884.93	6,350.00	6,268.78	169.43	30.33	72.93	-780.08	722.96	5,524.82	5,433.69	91.13	60.624		
12,700.00	6,885.96	6,350.00	6,268.78	172.24	30.33	72.93	-780.08	722.96	5,618.71	5,527.54	91.18	61.624		
12,800.00	6,886.99	6,350.00	6,268.78	175.04	30.33	72.93	-780.08	722.96	5,712.82	5,621.60	91.22	62.627		
12,900.00	6,888.02	6,350.00	6,268.78	177.85	30.33	72.93	-780.08	722.96	5,807.11	5,715.85	91.26	63.632		
13,000.00	6,889.05	6,350.00	6,268.78	180.66	30.33	72.93	-780.08	722.96	5,901.60	5,810.30	91.30	64.639		
13,100.00	6,890.08	6,350.00	6,268.78	183.47	30.33	72.93	-780.08	722.96	5,996.26	5,904.92	91.34	65.648		
13,200.00	6,891.11	6,350.00	6,268.78	186.28	30.33	72.93	-780.08	722.96	6,091.10	5,999.72	91.38	66.658		
13,300.00	6,892.14	6,350.00	6,268.78	189.10	30.33	72.93	-780.08	722.96	6,186.10	6,094.68	91.42	67.670		
13,400.00	6,893.17	6,350.00	6,268.78	191.91	30.33	72.93	-780.08	722.96	6,281.25	6,189.80	91.45	68.683		
13,500.00	6,894.21	6,350.00	6,268.78	194.73	30.33	72.93	-780.08	722.96	6,376.55	6,285.06	91.49	69.697		
13,600.00	6,895.24	6,350.00	6,268.78	197.54	30.33	72.93	-780.08	722.96	6,472.00	6,380.47	91.53	70.713		
13,700.00	6,896.27	6,350.00	6,268.78	200.36	30.33	72.93	-780.08	722.96	6,567.57	6,476.01	91.56	71.729		
13,800.00	6,897.30	6,350.00	6,268.78	203.18	30.33	72.93	-780.08	722.96	6,663.28	6,571.69	91.60	72.746		
13,900.00	6,898.33	6,350.00	6,268.78	206.00	30.33	72.93	-780.08	722.96	6,759.12	6,667.48	91.63	73.764		
14,000.00	6,899.36	6,350.00	6,268.78	208.82	30.33	72.93	-780.08	722.96	6,855.07	6,763.40	91.67	74.782		
14,100.00	6,900.39	6,350.00	6,268.78	211.64	30.33	72.93	-780.08	722.96	6,951.13	6,859.43	91.70	75.801		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,901.42	6,350.00	6,268.78	214.46	30.33	72.93	-780.08	722.96	7,047.31	6,955.57	91.74	76.820		
14,300.00	6,902.45	6,350.00	6,268.78	217.28	30.33	72.93	-780.08	722.96	7,143.59	7,051.82	91.77	77.839		
14,400.00	6,903.48	6,350.00	6,268.78	220.11	30.33	72.93	-780.08	722.96	7,239.97	7,148.16	91.81	78.859		
14,500.00	6,904.52	6,350.00	6,268.78	222.93	30.33	72.93	-780.08	722.96	7,336.45	7,244.61	91.84	79.879		
14,600.00	6,905.55	6,350.00	6,268.78	225.76	30.33	72.93	-780.08	722.96	7,433.02	7,341.14	91.88	80.899		
14,700.00	6,906.58	6,350.00	6,268.78	228.58	30.33	72.93	-780.08	722.96	7,529.68	7,437.77	91.92	81.918		
14,800.00	6,907.61	6,350.00	6,268.78	231.41	30.33	72.93	-780.08	722.96	7,626.43	7,534.48	91.95	82.938		
14,900.00	6,908.64	6,350.00	6,268.78	234.24	30.33	72.93	-780.08	722.96	7,723.26	7,631.27	91.99	83.958		
15,000.00	6,909.67	6,350.00	6,268.78	237.06	30.33	72.93	-780.08	722.96	7,820.17	7,728.14	92.03	84.977		
15,100.00	6,910.70	6,350.00	6,268.78	239.89	30.33	72.93	-780.08	722.96	7,917.16	7,825.09	92.06	85.996		
15,200.00	6,911.73	6,350.00	6,268.78	242.72	30.33	72.93	-780.08	722.96	8,014.22	7,922.11	92.10	87.014		
15,300.00	6,912.76	6,350.00	6,268.78	245.55	30.33	72.93	-780.08	722.96	8,111.35	8,019.21	92.14	88.032		
15,400.00	6,913.80	6,350.00	6,268.78	248.38	30.33	72.93	-780.08	722.96	8,208.55	8,116.37	92.18	89.050		
15,500.00	6,914.83	6,350.00	6,268.78	251.21	30.33	72.93	-780.08	722.96	8,305.82	8,213.60	92.22	90.067		
15,600.00	6,915.86	6,350.00	6,268.78	254.04	30.33	72.93	-780.08	722.96	8,403.15	8,310.89	92.26	91.083		
15,700.00	6,916.89	6,350.00	6,268.78	256.88	30.33	72.93	-780.08	722.96	8,500.54	8,408.24	92.30	92.099		
15,800.00	6,917.92	6,350.00	6,268.78	259.71	30.33	72.93	-780.08	722.96	8,597.99	8,505.66	92.34	93.114		
15,900.00	6,918.95	6,350.00	6,268.78	262.54	30.33	72.93	-780.08	722.96	8,695.51	8,603.13	92.38	94.128		
16,000.00	6,919.98	6,350.00	6,268.78	265.37	30.33	72.93	-780.08	722.96	8,793.07	8,700.65	92.42	95.141		
16,100.00	6,921.01	6,350.00	6,268.78	268.21	30.33	72.93	-780.08	722.96	8,890.69	8,798.23	92.46	96.154		
16,200.00	6,922.04	6,350.00	6,268.78	271.04	30.33	72.93	-780.08	722.96	8,988.37	8,895.86	92.51	97.166		
16,300.00	6,923.08	6,350.00	6,268.78	273.88	30.33	72.93	-780.08	722.96	9,086.09	8,993.54	92.55	98.176		
16,400.00	6,924.11	6,350.00	6,268.78	276.71	30.33	72.93	-780.08	722.96	9,183.86	9,091.27	92.59	99.186		
16,500.00	6,925.14	6,350.00	6,268.78	279.55	30.33	72.93	-780.08	722.96	9,281.68	9,189.05	92.64	100.194		
16,600.00	6,926.17	6,350.00	6,268.78	282.38	30.33	72.93	-780.08	722.96	9,379.55	9,286.87	92.68	101.202		
16,700.00	6,927.20	6,350.00	6,268.78	285.22	30.33	72.93	-780.08	722.96	9,477.46	9,384.74	92.73	102.208		
16,800.00	6,928.23	6,350.00	6,268.78	288.05	30.33	72.93	-780.08	722.96	9,575.42	9,482.64	92.77	103.214		
16,900.00	6,929.26	6,350.00	6,268.78	290.89	30.33	72.93	-780.08	722.96	9,673.41	9,580.59	92.82	104.218		
17,000.00	6,930.29	6,350.00	6,268.78	293.73	30.33	72.93	-780.08	722.96	9,771.45	9,678.58	92.87	105.220		
17,100.00	6,931.32	6,350.00	6,268.78	296.56	30.33	72.93	-780.08	722.96	9,869.53	9,776.61	92.91	106.222		
17,200.00	6,932.35	6,350.00	6,268.78	299.40	30.33	72.93	-780.08	722.96	9,967.64	9,874.68	92.96	107.222		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-173.97	-179.24	-18.93	180.23					
100.00	100.00	100.00	100.00	3.28	3.28	-173.97	-179.24	-18.93	180.23	173.66	6.57	27.435		
200.00	200.00	200.00	200.00	3.34	3.34	-173.97	-179.24	-18.93	180.23	173.56	6.67	27.005 CC, ES		
300.00	300.00	295.33	295.31	3.44	3.43	-174.29	-180.56	-18.06	181.52	174.64	6.89	26.364		
400.00	399.98	390.33	390.19	3.60	3.58	-171.31	-184.51	-15.45	187.14	179.94	7.20	25.985 SF		
500.00	499.84	484.42	483.95	3.81	3.76	-172.89	-191.02	-11.17	198.90	191.29	7.62	26.117		
600.00	599.45	577.02	575.93	4.06	3.98	-174.83	-199.92	-5.30	216.90	208.79	8.11	26.757		
700.00	698.70	667.57	665.50	4.34	4.22	-176.89	-211.03	2.01	241.17	232.52	8.65	27.870		
775.00	772.83	733.85	730.76	4.57	4.43	-178.41	-220.66	8.35	263.47	254.37	9.09	28.981		
800.00	797.48	755.63	752.15	4.65	4.50	-178.91	-224.09	10.61	271.56	262.32	9.24	29.384		
900.00	896.11	847.96	842.65	4.97	4.81	179.18	-239.38	20.68	304.91	295.08	9.83	31.016		
1,000.00	994.74	941.76	934.57	5.31	5.16	177.61	-254.96	30.94	338.56	328.11	10.46	32.370		
1,100.00	1,093.37	1,035.56	1,026.50	5.68	5.52	176.33	-270.54	41.20	372.40	361.28	11.12	33.490		
1,200.00	1,192.00	1,129.36	1,118.43	6.06	5.90	175.26	-286.11	51.46	406.38	394.58	11.81	34.417		
1,300.00	1,290.63	1,223.16	1,210.35	6.45	6.30	174.35	-301.69	61.72	440.47	427.95	12.52	35.185		
1,400.00	1,389.26	1,316.96	1,302.28	6.86	6.70	173.58	-317.27	71.98	474.64	461.39	13.25	35.824		
1,500.00	1,487.88	1,410.76	1,394.21	7.27	7.11	172.90	-332.85	82.24	508.88	494.88	14.00	36.357		
1,600.00	1,586.51	1,504.56	1,486.13	7.69	7.54	172.32	-348.42	92.50	543.17	528.41	14.76	36.805		
1,700.00	1,685.14	1,601.64	1,578.06	8.11	7.98	171.80	-364.00	102.76	577.50	561.96	15.55	37.150		
1,800.00	1,783.77	1,707.84	1,669.99	8.54	8.47	171.34	-379.58	113.02	611.87	595.49	16.38	37.350		
1,900.00	1,882.40	1,785.96	1,761.91	8.97	8.83	170.93	-395.16	123.28	646.28	629.17	17.11	37.776		
2,000.00	1,981.03	1,879.76	1,853.84	9.41	9.27	170.56	-410.73	133.54	680.71	662.80	17.91	38.010		
2,100.00	2,079.66	1,973.56	1,945.77	9.84	9.72	170.22	-426.31	143.80	715.16	696.44	18.72	38.210		
2,200.00	2,178.28	2,067.35	2,037.69	10.29	10.16	169.92	-441.89	154.06	749.63	730.10	19.53	38.384		
2,300.00	2,276.91	2,161.15	2,129.62	10.73	10.61	169.64	-457.47	164.32	784.12	763.77	20.35	38.534		
2,400.00	2,375.54	2,254.95	2,221.55	11.18	11.06	169.39	-473.04	174.58	818.62	797.45	21.17	38.665		
2,500.00	2,474.17	2,348.75	2,313.47	11.62	11.52	169.15	-488.62	184.84	853.14	831.14	22.00	38.779		
2,600.00	2,572.80	2,442.55	2,405.40	12.07	11.97	168.94	-504.20	195.10	887.67	864.84	22.83	38.879		
2,700.00	2,671.43	2,536.35	2,497.32	12.52	12.43	168.74	-519.77	205.36	922.21	898.54	23.67	38.967		
2,800.00	2,770.05	2,630.15	2,589.25	12.97	12.89	168.56	-535.35	215.62	956.76	932.25	24.50	39.045		
2,900.00	2,868.68	2,723.95	2,681.18	13.43	13.35	168.38	-550.93	225.88	991.31	965.97	25.34	39.113		
3,000.00	2,967.31	2,817.75	2,773.10	13.88	13.81	168.22	-566.51	236.14	1,025.87	999.69	26.19	39.174		
3,100.00	3,065.94	2,911.55	2,865.03	14.34	14.27	168.07	-582.08	246.40	1,060.44	1,033.41	27.03	39.228		
3,200.00	3,164.57	3,005.35	2,956.96	14.79	14.73	167.93	-597.66	256.66	1,095.02	1,067.14	27.88	39.276		
3,300.00	3,263.20	3,100.85	3,048.88	15.25	15.20	167.80	-613.24	266.92	1,129.60	1,100.86	28.74	39.309		
3,400.00	3,361.83	3,207.05	3,140.81	15.71	15.73	167.68	-628.82	277.18	1,164.19	1,134.54	29.64	39.272		
3,500.00	3,460.45	3,286.75	3,232.74	16.17	16.12	167.56	-644.39	287.44	1,198.78	1,168.35	30.43	39.392		
3,600.00	3,559.08	3,380.55	3,324.66	16.62	16.59	167.45	-659.97	297.70	1,233.37	1,202.09	31.29	39.423		
3,700.00	3,657.71	3,474.35	3,416.59	17.08	17.05	167.35	-675.55	307.96	1,267.97	1,235.83	32.14	39.451		
3,800.00	3,756.34	3,568.15	3,508.52	17.54	17.52	167.25	-691.13	318.22	1,302.57	1,269.58	33.00	39.476		
3,900.00	3,854.97	3,661.95	3,600.44	18.00	17.99	167.16	-706.70	328.47	1,337.18	1,303.32	33.85	39.498		
4,000.00	3,953.60	3,755.75	3,692.37	18.46	18.46	167.07	-722.28	338.73	1,371.79	1,337.07	34.71	39.518		
4,100.00	4,052.23	3,849.55	3,784.30	18.92	18.92	166.98	-737.86	348.99	1,406.40	1,370.82	35.57	39.537		
4,200.00	4,150.85	3,943.35	3,876.22	19.39	19.39	166.90	-753.44	359.25	1,441.01	1,404.58	36.43	39.553		
4,300.00	4,249.48	4,037.15	3,968.15	19.85	19.86	166.83	-769.01	369.51	1,475.63	1,438.33	37.29	39.568		
4,400.00	4,348.11	4,130.95	4,060.07	20.31	20.33	166.75	-784.59	379.77	1,510.24	1,472.09	38.16	39.581		
4,500.00	4,446.74	4,224.75	4,152.00	20.77	20.80	166.68	-800.17	390.03	1,544.86	1,505.85	39.02	39.593		
4,600.00	4,545.37	4,318.55	4,243.93	21.23	21.27	166.62	-815.75	400.29	1,579.49	1,539.60	39.88	39.604		
4,700.00	4,644.00	4,412.35	4,335.85	21.70	21.74	166.55	-831.32	410.55	1,614.11	1,573.36	40.75	39.614		
4,800.00	4,742.63	4,506.15	4,427.78	22.16	22.21	166.49	-846.90	420.81	1,648.74	1,607.13	41.61	39.623		
4,900.00	4,841.25	4,599.95	4,519.71	22.62	22.68	166.43	-862.48	431.07	1,683.36	1,640.89	42.48	39.631		
5,000.00	4,939.88	4,706.25	4,611.63	23.09	23.21	166.38	-878.06	441.33	1,717.99	1,674.59	43.40	39.585		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	4,787.55	4,703.56	23.55	23.62	166.32	-893.63	451.59	1,752.62	1,708.41	44.21	39.645		
5,200.00	5,137.14	4,881.35	4,795.49	24.02	24.09	166.27	-909.21	461.85	1,787.25	1,742.18	45.08	39.650		
5,300.00	5,235.77	4,975.15	4,887.41	24.48	24.56	166.22	-924.79	472.11	1,821.89	1,775.94	45.94	39.656		
5,400.00	5,334.40	5,068.95	4,979.34	24.94	25.03	166.17	-940.37	482.37	1,856.52	1,809.71	46.81	39.660		
5,500.00	5,433.03	5,162.75	5,071.27	25.41	25.50	166.13	-955.94	492.63	1,891.15	1,843.48	47.68	39.664		
5,600.00	5,531.65	5,256.55	5,163.19	25.87	25.98	166.08	-971.52	502.89	1,925.79	1,877.24	48.55	39.668		
5,700.00	5,630.28	5,350.35	5,255.12	26.34	26.45	166.04	-987.10	513.15	1,960.43	1,911.01	49.42	39.671		
5,800.00	5,728.91	5,444.15	5,347.05	26.80	26.92	166.00	-1,002.67	523.41	1,995.07	1,944.78	50.29	39.674		
5,900.00	5,827.54	5,537.95	5,438.97	27.27	27.39	165.96	-1,018.25	533.67	2,029.70	1,978.55	51.16	39.676		
6,000.00	5,926.17	5,631.75	5,530.90	27.73	27.86	165.92	-1,033.83	543.93	2,064.34	2,012.32	52.03	39.678		
6,100.00	6,024.80	5,725.55	5,622.83	28.20	28.34	165.88	-1,049.41	554.19	2,098.98	2,046.09	52.90	39.680		
6,200.00	6,123.43	5,819.35	5,714.75	28.66	28.81	165.84	-1,064.98	564.45	2,133.63	2,079.86	53.77	39.681		
6,272.77	6,195.20	5,887.61	5,781.65	29.00	29.15	165.82	-1,076.32	571.91	2,158.84	2,104.43	54.40	39.682		
6,300.00	6,222.05	5,913.21	5,806.74	29.13	29.28	150.44	-1,080.57	574.71	2,168.10	2,113.46	54.64	39.679		
6,350.00	6,271.23	5,960.43	5,853.01	29.36	29.52	126.46	-1,088.41	579.88	2,184.17	2,129.09	55.08	39.656		
6,400.00	6,319.99	6,007.66	5,899.31	29.58	29.76	110.39	-1,096.26	585.05	2,198.98	2,143.46	55.51	39.611		
6,450.00	6,368.01	6,054.63	5,945.34	29.79	30.00	100.14	-1,104.06	590.18	2,212.45	2,156.51	55.95	39.545		
6,500.00	6,415.02	6,101.03	5,990.82	29.99	30.23	93.39	-1,111.76	595.26	2,224.57	2,168.19	56.38	39.459		
6,550.00	6,460.71	6,146.59	6,035.46	30.18	30.46	88.76	-1,119.33	600.24	2,235.32	2,178.52	56.80	39.353		
6,600.00	6,504.81	6,208.98	6,079.00	30.36	30.77	85.50	-1,126.71	605.10	2,244.71	2,187.40	57.31	39.171		
6,650.00	6,547.04	6,234.05	6,121.17	30.53	30.90	83.17	-1,133.85	609.81	2,252.78	2,195.14	57.64	39.086		
6,700.00	6,587.14	6,275.41	6,161.70	30.69	31.11	81.51	-1,140.72	614.33	2,259.58	2,201.53	58.05	38.923		
6,750.00	6,624.87	6,314.84	6,200.35	30.83	31.31	80.35	-1,147.27	618.64	2,265.18	2,206.71	58.47	38.741		
6,800.00	6,660.00	6,352.11	6,236.88	30.96	31.50	79.58	-1,153.46	622.72	2,269.67	2,210.77	58.90	38.537		
6,850.00	6,692.30	6,386.99	6,271.06	31.07	31.67	79.10	-1,159.25	626.54	2,273.12	2,213.78	59.33	38.310		
6,900.00	6,721.58	6,419.25	6,302.68	31.23	31.83	78.84	-1,164.61	630.06	2,275.64	2,215.85	59.79	38.060		
6,950.00	6,747.66	6,448.71	6,331.54	31.56	31.98	78.77	-1,169.50	633.29	2,277.33	2,217.06	60.27	37.786		
7,000.00	6,770.37	6,475.17	6,357.48	31.92	32.12	78.83	-1,173.90	636.18	2,278.30	2,217.53	60.78	37.487		
7,050.00	6,789.58	6,501.52	6,380.32	32.33	32.25	78.98	-1,177.77	638.73	2,278.65	2,217.32	61.33	37.156		
7,100.00	6,805.17	6,518.49	6,399.93	32.78	32.33	79.20	-1,181.09	640.92	2,278.47	2,216.59	61.88	36.821		
7,150.00	6,817.03	6,539.01	6,420.07	33.27	32.44	79.56	-1,184.51	642.90	2,277.84	2,215.33	62.51	36.438		
7,200.00	6,825.11	6,552.58	6,433.41	33.80	32.50	79.85	-1,186.79	643.86	2,276.85	2,213.72	63.14	36.061		
7,250.00	6,829.35	6,560.04	6,440.75	34.37	32.54	80.08	-1,188.04	644.26	2,275.60	2,211.84	63.76	35.691		
7,273.12	6,830.00	6,561.81	6,442.49	34.65	32.55	80.17	-1,188.34	644.34	2,274.94	2,210.89	64.05	35.520		
7,300.00	6,830.28	6,563.25	6,443.92	34.98	32.55	80.21	-1,188.59	644.41	2,274.31	2,209.92	64.39	35.323		
7,340.13	6,830.69	6,565.20	6,445.83	35.52	32.56	80.26	-1,188.91	644.49	2,273.96	2,209.02	64.94	35.016		
7,400.00	6,831.31	6,567.71	6,448.31	36.32	32.57	80.32	-1,189.34	644.58	2,274.74	2,208.99	65.75	34.594		
7,500.00	6,832.34	6,571.12	6,451.67	37.83	32.59	80.40	-1,189.92	644.69	2,279.56	2,212.30	67.25	33.895		
7,600.00	6,833.37	6,573.81	6,454.32	39.49	32.60	80.47	-1,190.37	644.77	2,288.73	2,219.88	68.85	33.241		
7,700.00	6,834.40	6,575.99	6,456.46	41.27	32.61	80.53	-1,190.74	644.82	2,302.21	2,231.69	70.52	32.646		
7,800.00	6,835.44	6,577.79	6,458.23	43.17	32.62	80.57	-1,191.04	644.86	2,319.93	2,247.70	72.23	32.118		
7,900.00	6,836.47	6,579.30	6,459.72	45.17	32.63	80.61	-1,191.30	644.89	2,341.78	2,267.82	73.96	31.664		
8,000.00	6,837.50	6,580.58	6,460.99	47.26	32.63	80.64	-1,191.52	644.91	2,367.66	2,291.98	75.67	31.288		
8,100.00	6,838.53	6,581.69	6,462.08	49.43	32.64	80.67	-1,191.71	644.93	2,397.43	2,320.06	77.36	30.989		
8,200.00	6,839.56	6,582.65	6,463.03	51.66	32.64	80.69	-1,191.87	644.94	2,430.95	2,351.94	79.01	30.768		
8,300.00	6,840.59	6,583.50	6,463.87	53.95	32.65	80.72	-1,192.01	644.95	2,468.07	2,387.46	80.60	30.620		
8,400.00	6,841.62	6,584.25	6,464.61	56.29	32.65	80.74	-1,192.14	644.96	2,508.62	2,426.49	82.13	30.544		
8,500.00	6,842.65	6,584.92	6,465.27	58.67	32.65	80.75	-1,192.26	644.97	2,552.46	2,468.87	83.59	30.536		
8,600.00	6,843.68	6,600.00	6,480.12	61.10	32.72	81.13	-1,194.82	644.92	2,599.52	2,514.40	85.13	30.537		
8,700.00	6,844.71	6,600.00	6,480.12	63.56	32.72	81.13	-1,194.82	644.92	2,649.40	2,562.98	86.43	30.655		
8,800.00	6,845.75	6,600.00	6,480.12	66.05	32.72	81.13	-1,194.82	644.92	2,702.07	2,614.42	87.65	30.828		
8,900.00	6,846.78	6,600.00	6,480.12	68.58	32.72	81.13	-1,194.82	644.92	2,757.35	2,668.55	88.80	31.053		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,847.81	6,600.00	6,480.12	71.12	32.72	81.13	-1,194.82	644.92	2,815.10	2,725.23	89.87	31.325		
9,100.00	6,848.84	6,600.00	6,480.12	73.69	32.72	81.13	-1,194.82	644.92	2,875.17	2,784.31	90.87	31.641		
9,200.00	6,849.87	6,600.00	6,480.12	76.28	32.72	81.13	-1,194.82	644.92	2,937.42	2,845.62	91.80	31.999		
9,300.00	6,850.90	6,600.00	6,480.12	78.89	32.72	81.13	-1,194.82	644.92	3,001.71	2,909.05	92.66	32.394		
9,400.00	6,851.93	6,600.00	6,480.12	81.51	32.72	81.13	-1,194.82	644.92	3,067.91	2,974.45	93.47	32.824		
9,500.00	6,852.96	6,600.00	6,480.12	84.15	32.72	81.13	-1,194.82	644.92	3,135.90	3,041.69	94.21	33.286		
9,600.00	6,853.99	6,600.00	6,480.12	86.80	32.72	81.13	-1,194.82	644.92	3,205.58	3,110.68	94.90	33.778		
9,700.00	6,855.03	6,600.00	6,480.12	89.46	32.72	81.13	-1,194.82	644.92	3,276.82	3,181.28	95.54	34.298		
9,800.00	6,856.06	6,600.00	6,480.12	92.14	32.72	81.13	-1,194.82	644.92	3,349.53	3,253.40	96.13	34.844		
9,900.00	6,857.09	6,600.00	6,480.12	94.83	32.72	81.13	-1,194.82	644.92	3,423.62	3,326.94	96.68	35.413		
10,000.00	6,858.12	6,600.00	6,480.12	97.52	32.72	81.13	-1,194.82	644.92	3,499.00	3,401.82	97.18	36.004		
10,100.00	6,859.15	6,600.00	6,480.12	100.23	32.72	81.13	-1,194.82	644.92	3,575.59	3,477.93	97.65	36.615		
10,200.00	6,860.18	6,600.00	6,480.12	102.94	32.72	81.13	-1,194.82	644.92	3,653.31	3,555.22	98.09	37.245		
10,300.00	6,861.21	6,600.00	6,480.12	105.66	32.72	81.13	-1,194.82	644.92	3,732.09	3,633.59	98.49	37.893		
10,400.00	6,862.24	6,600.00	6,480.12	108.39	32.72	81.13	-1,194.82	644.92	3,811.86	3,713.00	98.86	38.557		
10,500.00	6,863.27	6,600.00	6,480.12	111.12	32.72	81.13	-1,194.82	644.92	3,892.57	3,793.36	99.21	39.236		
10,600.00	6,864.30	6,600.00	6,480.12	113.86	32.72	81.13	-1,194.82	644.92	3,974.16	3,874.63	99.53	39.929		
10,700.00	6,865.34	6,600.00	6,480.12	116.60	32.72	81.13	-1,194.82	644.92	4,056.57	3,956.74	99.83	40.635		
10,800.00	6,866.37	6,600.00	6,480.12	119.35	32.72	81.13	-1,194.82	644.92	4,139.75	4,039.65	100.11	41.354		
10,900.00	6,867.40	6,600.00	6,480.12	122.11	32.72	81.13	-1,194.82	644.92	4,223.67	4,123.30	100.36	42.083		
11,000.00	6,868.43	6,600.00	6,480.12	124.87	32.72	81.13	-1,194.82	644.92	4,308.27	4,207.67	100.60	42.824		
11,100.00	6,869.46	6,600.00	6,480.12	127.63	32.72	81.13	-1,194.82	644.92	4,393.52	4,292.69	100.83	43.574		
11,200.00	6,870.49	6,600.00	6,480.12	130.40	32.72	81.13	-1,194.82	644.92	4,479.38	4,378.34	101.04	44.334		
11,300.00	6,871.52	6,600.00	6,480.12	133.17	32.72	81.13	-1,194.82	644.92	4,565.81	4,464.58	101.23	45.102		
11,400.00	6,872.55	6,600.00	6,480.12	135.94	32.72	81.13	-1,194.82	644.92	4,652.79	4,551.38	101.41	45.879		
11,500.00	6,873.58	6,600.00	6,480.12	138.72	32.72	81.13	-1,194.82	644.92	4,740.29	4,638.70	101.59	46.663		
11,600.00	6,874.62	6,600.00	6,480.12	141.50	32.72	81.13	-1,194.82	644.92	4,828.26	4,726.52	101.75	47.454		
11,700.00	6,875.65	6,600.00	6,480.12	144.28	32.72	81.13	-1,194.82	644.92	4,916.70	4,814.80	101.90	48.252		
11,800.00	6,876.68	6,600.00	6,480.12	147.07	32.72	81.13	-1,194.82	644.92	5,005.57	4,903.54	102.04	49.056		
11,900.00	6,877.71	6,600.00	6,480.12	149.85	32.72	81.13	-1,194.82	644.92	5,094.86	4,992.69	102.17	49.867		
12,000.00	6,878.74	6,600.00	6,480.12	152.65	32.72	81.13	-1,194.82	644.92	5,184.54	5,082.24	102.30	50.682		
12,100.00	6,879.77	6,600.00	6,480.12	155.44	32.72	81.13	-1,194.82	644.92	5,274.58	5,172.17	102.41	51.503		
12,200.00	6,880.80	6,600.00	6,480.12	158.23	32.72	81.13	-1,194.82	644.92	5,364.98	5,262.46	102.53	52.328		
12,300.00	6,881.83	6,600.00	6,480.12	161.03	32.72	81.13	-1,194.82	644.92	5,455.72	5,353.09	102.63	53.159		
12,400.00	6,882.86	6,600.00	6,480.12	163.83	32.72	81.13	-1,194.82	644.92	5,546.77	5,444.04	102.73	53.993		
12,500.00	6,883.89	6,600.00	6,480.12	166.63	32.72	81.13	-1,194.82	644.92	5,638.13	5,535.30	102.83	54.831		
12,600.00	6,884.93	6,600.00	6,480.12	169.43	32.72	81.13	-1,194.82	644.92	5,729.78	5,626.86	102.92	55.674		
12,700.00	6,885.96	6,600.00	6,480.12	172.24	32.72	81.13	-1,194.82	644.92	5,821.70	5,718.69	103.00	56.519		
12,800.00	6,886.99	6,600.00	6,480.12	175.04	32.72	81.13	-1,194.82	644.92	5,913.88	5,810.79	103.09	57.368		
12,900.00	6,888.02	6,600.00	6,480.12	177.85	32.72	81.13	-1,194.82	644.92	6,006.31	5,903.15	103.17	58.220		
13,000.00	6,889.05	6,600.00	6,480.12	180.66	32.72	81.13	-1,194.82	644.92	6,098.98	5,995.74	103.24	59.075		
13,100.00	6,890.08	6,600.00	6,480.12	183.47	32.72	81.13	-1,194.82	644.92	6,191.88	6,088.57	103.31	59.933		
13,200.00	6,891.11	6,600.00	6,480.12	186.28	32.72	81.13	-1,194.82	644.92	6,285.00	6,181.62	103.38	60.793		
13,300.00	6,892.14	6,600.00	6,480.12	189.10	32.72	81.13	-1,194.82	644.92	6,378.33	6,274.88	103.45	61.656		
13,400.00	6,893.17	6,600.00	6,480.12	191.91	32.72	81.13	-1,194.82	644.92	6,471.85	6,368.34	103.52	62.521		
13,500.00	6,894.21	6,600.00	6,480.12	194.73	32.72	81.13	-1,194.82	644.92	6,565.57	6,461.99	103.58	63.388		
13,600.00	6,895.24	6,600.00	6,480.12	197.54	32.72	81.13	-1,194.82	644.92	6,659.47	6,555.83	103.64	64.257		
13,700.00	6,896.27	6,600.00	6,480.12	200.36	32.72	81.13	-1,194.82	644.92	6,753.54	6,649.85	103.70	65.127		
13,800.00	6,897.30	6,600.00	6,480.12	203.18	32.72	81.13	-1,194.82	644.92	6,847.79	6,744.03	103.75	66.000		
13,900.00	6,898.33	6,600.00	6,480.12	206.00	32.72	81.13	-1,194.82	644.92	6,942.19	6,838.38	103.81	66.874		
14,000.00	6,899.36	6,600.00	6,480.12	208.82	32.72	81.13	-1,194.82	644.92	7,036.75	6,932.88	103.86	67.749		
14,100.00	6,900.39	6,600.00	6,480.12	211.64	32.72	81.13	-1,194.82	644.92	7,131.45	7,027.54	103.92	68.626		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,901.42	6,600.00	6,480.12	214.46	32.72	81.13	-1,194.82	644.92	7,226.30	7,122.33	103.97	69.504		
14,300.00	6,902.45	6,600.00	6,480.12	217.28	32.72	81.13	-1,194.82	644.92	7,321.29	7,217.27	104.02	70.383		
14,400.00	6,903.48	6,600.00	6,480.12	220.11	32.72	81.13	-1,194.82	644.92	7,416.41	7,312.34	104.07	71.263		
14,500.00	6,904.52	6,600.00	6,480.12	222.93	32.72	81.13	-1,194.82	644.92	7,511.65	7,407.53	104.12	72.144		
14,600.00	6,905.55	6,600.00	6,480.12	225.76	32.72	81.13	-1,194.82	644.92	7,607.02	7,502.85	104.17	73.026		
14,700.00	6,906.58	6,600.00	6,480.12	228.58	32.72	81.13	-1,194.82	644.92	7,702.50	7,598.29	104.22	73.908		
14,800.00	6,907.61	6,600.00	6,480.12	231.41	32.72	81.13	-1,194.82	644.92	7,798.10	7,693.84	104.26	74.792		
14,900.00	6,908.64	6,600.00	6,480.12	234.24	32.72	81.13	-1,194.82	644.92	7,893.81	7,789.50	104.31	75.676		
15,000.00	6,909.67	6,600.00	6,480.12	237.06	32.72	81.13	-1,194.82	644.92	7,989.62	7,885.26	104.36	76.560		
15,100.00	6,910.70	6,600.00	6,480.12	239.89	32.72	81.13	-1,194.82	644.92	8,085.53	7,981.13	104.40	77.445		
15,200.00	6,911.73	6,600.00	6,480.12	242.72	32.72	81.13	-1,194.82	644.92	8,181.54	8,077.09	104.45	78.331		
15,300.00	6,912.76	6,600.00	6,480.12	245.55	32.72	81.13	-1,194.82	644.92	8,277.65	8,173.16	104.49	79.217		
15,400.00	6,913.80	6,600.00	6,480.12	248.38	32.72	81.13	-1,194.82	644.92	8,373.85	8,269.31	104.54	80.103		
15,500.00	6,914.83	6,600.00	6,480.12	251.21	32.72	81.13	-1,194.82	644.92	8,470.13	8,365.55	104.58	80.989		
15,600.00	6,915.86	6,600.00	6,480.12	254.04	32.72	81.13	-1,194.82	644.92	8,566.50	8,461.87	104.63	81.875		
15,700.00	6,916.89	6,600.00	6,480.12	256.88	32.72	81.13	-1,194.82	644.92	8,662.95	8,558.28	104.67	82.762		
15,800.00	6,917.92	6,600.00	6,480.12	259.71	32.72	81.13	-1,194.82	644.92	8,759.48	8,654.77	104.72	83.648		
15,900.00	6,918.95	6,600.00	6,480.12	262.54	32.72	81.13	-1,194.82	644.92	8,856.09	8,751.33	104.76	84.535		
16,000.00	6,919.98	6,600.00	6,480.12	265.37	32.72	81.13	-1,194.82	644.92	8,952.78	8,847.97	104.81	85.422		
16,100.00	6,921.01	6,600.00	6,480.12	268.21	32.72	81.13	-1,194.82	644.92	9,049.53	8,944.68	104.85	86.308		
16,200.00	6,922.04	6,600.00	6,480.12	271.04	32.72	81.13	-1,194.82	644.92	9,146.36	9,041.46	104.90	87.194		
16,300.00	6,923.08	6,600.00	6,480.12	273.88	32.72	81.13	-1,194.82	644.92	9,243.25	9,138.31	104.94	88.081		
16,400.00	6,924.11	6,600.00	6,480.12	276.71	32.72	81.13	-1,194.82	644.92	9,340.21	9,235.22	104.99	88.966		
16,500.00	6,925.14	6,600.00	6,480.12	279.55	32.72	81.13	-1,194.82	644.92	9,437.23	9,332.20	105.03	89.852		
16,600.00	6,926.17	6,600.00	6,480.12	282.38	32.72	81.13	-1,194.82	644.92	9,534.31	9,429.24	105.08	90.737		
16,700.00	6,927.20	6,600.00	6,480.12	285.22	32.72	81.13	-1,194.82	644.92	9,631.46	9,526.34	105.12	91.622		
16,800.00	6,928.23	6,600.00	6,480.12	288.05	32.72	81.13	-1,194.82	644.92	9,728.66	9,623.49	105.17	92.507		
16,900.00	6,929.26	6,600.00	6,480.12	290.89	32.72	81.13	-1,194.82	644.92	9,825.91	9,720.70	105.21	93.391		
17,000.00	6,930.29	6,600.00	6,480.12	293.73	32.72	81.13	-1,194.82	644.92	9,923.23	9,817.97	105.26	94.275		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-101.46	-897.59	-4,429.08	4,519.12					
100.00	100.00	110.00	110.00	3.28	3.89	-101.46	-897.59	-4,429.08	4,519.12	4,511.94	7.18	629.715		
200.00	200.00	210.00	210.00	3.34	6.48	-101.46	-897.59	-4,429.08	4,519.12	4,509.30	9.81	460.454		
300.00	300.00	310.00	310.00	3.44	9.65	-101.46	-897.59	-4,429.08	4,519.12	4,506.02	13.10	345.077 CC		
400.00	399.98	409.98	409.98	3.60	12.99	-97.51	-897.59	-4,429.08	4,519.35	4,502.76	16.59	272.399		
500.00	499.84	509.84	509.84	3.81	16.38	-97.57	-897.59	-4,429.08	4,520.03	4,499.84	20.19	223.878		
600.00	599.45	609.45	609.45	4.06	19.80	-97.65	-897.59	-4,429.08	4,521.19	4,497.34	23.85	189.571		
700.00	698.70	708.70	708.70	4.34	23.23	-97.77	-897.59	-4,429.08	4,522.84	4,495.29	27.55	164.179		
775.00	772.83	782.83	782.83	4.57	25.79	-97.88	-897.59	-4,429.08	4,524.41	4,494.07	30.34	149.130		
800.00	797.48	807.48	807.48	4.65	26.65	-97.93	-897.59	-4,429.08	4,524.99	4,493.72	31.27	144.700		
900.00	896.11	906.11	906.11	4.97	30.07	-98.14	-897.59	-4,429.08	4,527.33	4,492.30	35.02	129.269		
1,000.00	994.74	1,004.74	1,004.74	5.31	33.49	-98.34	-897.59	-4,429.08	4,529.72	4,490.92	38.80	116.748		
1,100.00	1,093.37	1,103.37	1,103.37	5.68	36.92	-98.54	-897.59	-4,429.08	4,532.18	4,489.58	42.60	106.399		
1,200.00	1,192.00	1,202.00	1,202.00	6.06	40.35	-98.75	-897.59	-4,429.08	4,534.69	4,488.28	46.41	97.711		
1,300.00	1,290.63	1,300.63	1,300.63	6.45	43.78	-98.95	-897.59	-4,429.08	4,537.27	4,487.03	50.24	90.319		
1,400.00	1,389.26	1,400.74	1,399.26	6.86	47.27	-99.15	-897.59	-4,429.08	4,539.90	4,485.77	54.13	83.878		
1,500.00	1,487.88	1,502.12	1,497.88	7.27	50.80	-99.36	-897.59	-4,429.08	4,542.59	4,484.52	58.07	78.230		
1,600.00	1,586.51	1,603.49	1,596.51	7.69	54.33	-99.56	-897.59	-4,429.08	4,545.34	4,483.32	62.02	73.292		
1,700.00	1,685.14	1,704.86	1,695.14	8.11	57.86	-99.76	-897.59	-4,429.08	4,548.15	4,482.17	65.97	68.939		
1,800.00	1,783.77	1,806.23	1,793.77	8.54	61.40	-99.96	-897.59	-4,429.08	4,551.01	4,481.08	69.93	65.075		
1,900.00	1,882.40	1,907.60	1,892.40	8.97	64.93	-100.17	-897.59	-4,429.08	4,553.93	4,480.03	73.90	61.622		
2,000.00	1,981.03	2,008.97	1,991.03	9.41	68.47	-100.37	-897.59	-4,429.08	4,556.91	4,479.04	77.87	58.519		
2,100.00	2,079.66	2,089.66	2,089.66	9.84	71.28	-100.57	-897.59	-4,429.08	4,559.95	4,478.83	81.12	56.210		
2,200.00	2,178.28	2,188.28	2,188.28	10.29	74.72	-100.77	-897.59	-4,429.08	4,563.05	4,478.05	85.00	53.680		
2,300.00	2,276.91	2,286.91	2,286.91	10.73	78.16	-100.97	-897.59	-4,429.08	4,566.20	4,477.32	88.89	51.371		
2,400.00	2,375.54	2,385.54	2,385.54	11.18	81.60	-101.17	-897.59	-4,429.08	4,569.42	4,476.64	92.77	49.254		
2,500.00	2,474.17	2,484.17	2,484.17	11.62	85.04	-101.37	-897.59	-4,429.08	4,572.68	4,476.02	96.66	47.306		
2,600.00	2,572.80	2,582.80	2,582.80	12.07	88.48	-101.57	-897.59	-4,429.08	4,576.01	4,475.46	100.55	45.510		
2,700.00	2,671.43	2,681.43	2,681.43	12.52	91.92	-101.77	-897.59	-4,429.08	4,579.39	4,474.95	104.44	43.846		
2,800.00	2,770.05	2,780.05	2,780.05	12.97	95.36	-101.97	-897.59	-4,429.08	4,582.83	4,474.50	108.33	42.303		
2,900.00	2,868.68	2,878.68	2,878.68	13.43	98.80	-102.17	-897.59	-4,429.08	4,586.33	4,474.10	112.23	40.866		
3,000.00	2,967.31	2,977.31	2,977.31	13.88	102.25	-102.37	-897.59	-4,429.08	4,589.88	4,473.76	116.12	39.526		
3,100.00	3,065.94	3,075.94	3,075.94	14.34	105.69	-102.57	-897.59	-4,429.08	4,593.49	4,473.48	120.02	38.273		
3,200.00	3,164.57	3,174.57	3,174.57	14.79	109.13	-102.76	-897.59	-4,429.08	4,597.16	4,473.25	123.92	37.099		
3,300.00	3,263.20	3,273.20	3,273.20	15.25	112.57	-102.96	-897.59	-4,429.08	4,600.88	4,473.07	127.81	35.997		
3,400.00	3,361.83	3,371.83	3,371.83	15.71	116.01	-103.16	-897.59	-4,429.08	4,604.66	4,472.95	131.71	34.960		
3,500.00	3,460.45	3,470.45	3,470.45	16.17	119.45	-103.36	-897.59	-4,429.08	4,608.50	4,472.89	135.61	33.983		
3,600.00	3,559.08	3,569.08	3,569.08	16.62	122.90	-103.55	-897.59	-4,429.08	4,612.39	4,472.88	139.51	33.061 ES		
3,700.00	3,657.71	3,667.71	3,667.71	17.08	126.34	-103.75	-897.59	-4,429.08	4,616.34	4,472.92	143.41	32.189		
3,800.00	3,756.34	3,766.34	3,766.34	17.54	129.78	-103.95	-897.59	-4,429.08	4,620.34	4,473.03	147.31	31.364		
3,900.00	3,854.97	3,864.97	3,864.97	18.00	133.22	-104.14	-897.59	-4,429.08	4,624.40	4,473.18	151.21	30.582		
4,000.00	3,953.60	3,963.60	3,963.60	18.46	136.66	-104.34	-897.59	-4,429.08	4,628.51	4,473.39	155.12	29.839		
4,100.00	4,052.23	4,062.23	4,062.23	18.92	140.11	-104.53	-897.59	-4,429.08	4,632.68	4,473.66	159.02	29.133		
4,200.00	4,150.85	4,160.85	4,160.85	19.39	143.55	-104.73	-897.59	-4,429.08	4,636.90	4,473.98	162.92	28.461		
4,300.00	4,249.48	4,259.48	4,259.48	19.85	146.99	-104.92	-897.59	-4,429.08	4,641.18	4,474.35	166.82	27.821		
4,400.00	4,348.11	4,358.11	4,358.11	20.31	150.43	-105.12	-897.59	-4,429.08	4,645.51	4,474.78	170.73	27.210		
4,500.00	4,446.74	4,456.74	4,456.74	20.77	153.87	-105.31	-897.59	-4,429.08	4,649.90	4,475.27	174.63	26.627		
4,600.00	4,545.37	4,555.37	4,555.37	21.23	157.32	-105.50	-897.59	-4,429.08	4,654.34	4,475.80	178.54	26.070		
4,700.00	4,644.00	4,654.00	4,654.00	21.70	160.76	-105.70	-897.59	-4,429.08	4,658.83	4,476.40	182.44	25.536		
4,800.00	4,742.63	4,752.63	4,752.63	22.16	164.20	-105.89	-897.59	-4,429.08	4,663.38	4,477.04	186.34	25.026		
4,900.00	4,841.25	4,851.25	4,851.25	22.62	167.64	-106.08	-897.59	-4,429.08	4,667.99	4,477.74	190.25	24.536		
5,000.00	4,939.88	4,949.88	4,949.88	23.09	171.09	-106.27	-897.59	-4,429.08	4,672.65	4,478.49	194.15	24.067		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,048.51	5,048.51	23.55	174.53	-106.47	-897.59	-4,429.08	4,677.36	4,479.30	198.06	23.616		
5,200.00	5,137.14	5,147.14	5,147.14	24.02	177.97	-106.66	-897.59	-4,429.08	4,682.12	4,480.16	201.96	23.183		
5,300.00	5,235.77	5,245.77	5,245.77	24.48	181.41	-106.85	-897.59	-4,429.08	4,686.94	4,481.07	205.87	22.767		
5,400.00	5,334.40	5,344.40	5,344.40	24.94	184.86	-107.04	-897.59	-4,429.08	4,691.81	4,482.04	209.77	22.366		
5,500.00	5,433.03	5,443.03	5,443.03	25.41	188.30	-107.23	-897.59	-4,429.08	4,696.73	4,483.05	213.68	21.980		
5,600.00	5,531.65	5,541.65	5,541.65	25.87	191.74	-107.42	-897.59	-4,429.08	4,701.71	4,484.13	217.59	21.609		
5,700.00	5,630.28	5,640.28	5,640.28	26.34	195.18	-107.61	-897.59	-4,429.08	4,706.74	4,485.25	221.49	21.250		
5,800.00	5,728.91	5,738.91	5,738.91	26.80	198.63	-107.80	-897.59	-4,429.08	4,711.82	4,486.42	225.40	20.904		
5,900.00	5,827.54	5,837.54	5,837.54	27.27	202.07	-107.99	-897.59	-4,429.08	4,716.96	4,487.65	229.30	20.571		
6,000.00	5,926.17	5,936.17	5,936.17	27.73	205.51	-108.17	-897.59	-4,429.08	4,722.14	4,488.93	233.21	20.248		
6,100.00	6,024.80	6,034.80	6,034.80	28.20	208.96	-108.36	-897.59	-4,429.08	4,727.38	4,490.26	237.12	19.937		
6,200.00	6,123.43	6,133.43	6,133.43	28.66	212.40	-108.55	-897.59	-4,429.08	4,732.67	4,491.65	241.02	19.636		
6,272.77	6,195.20	6,205.20	6,205.20	29.00	214.90	-108.68	-897.59	-4,429.08	4,736.55	4,492.69	243.87	19.423		
6,300.00	6,222.05	6,232.05	6,232.05	29.13	215.84	-123.34	-897.59	-4,429.08	4,738.55	4,493.62	244.93	19.347		
6,350.00	6,271.23	6,281.23	6,281.23	29.36	217.56	-146.27	-897.59	-4,429.08	4,745.00	4,498.13	246.87	19.221		
6,400.00	6,319.99	6,329.99	6,329.99	29.58	219.26	-161.64	-897.59	-4,429.08	4,755.03	4,506.24	248.79	19.112		
6,450.00	6,368.01	6,378.01	6,378.01	29.79	220.94	-171.54	-897.59	-4,429.08	4,768.57	4,517.89	250.68	19.023		
6,500.00	6,415.02	6,425.02	6,425.02	29.99	222.58	-178.30	-897.59	-4,429.08	4,785.53	4,533.00	252.52	18.951		
6,550.00	6,460.71	6,470.71	6,470.71	30.18	224.17	-176.71	-897.59	-4,429.08	4,805.80	4,551.49	254.31	18.897		
6,600.00	6,504.81	6,514.81	6,514.81	30.36	225.71	-172.73	-897.59	-4,429.08	4,829.26	4,573.22	256.03	18.862		
6,650.00	6,547.04	6,557.04	6,557.04	30.53	227.18	-169.31	-897.59	-4,429.08	4,855.76	4,598.08	257.68	18.844		
6,700.00	6,587.14	6,602.86	6,597.14	30.69	228.78	-166.15	-897.59	-4,429.08	4,885.16	4,625.72	259.44	18.830 SF		
6,750.00	6,624.87	6,634.87	6,634.87	30.83	229.90	-163.06	-897.59	-4,429.08	4,917.26	4,656.55	260.71	18.861		
6,800.00	6,660.00	6,670.00	6,670.00	30.96	231.13	-159.87	-897.59	-4,429.08	4,951.88	4,689.82	262.07	18.896		
6,850.00	6,692.30	6,702.30	6,702.30	31.07	232.26	-156.42	-897.59	-4,429.08	4,988.82	4,725.50	263.32	18.946		
6,900.00	6,721.58	6,731.58	6,731.58	31.23	233.28	-152.54	-897.59	-4,429.08	5,027.84	4,763.40	264.45	19.013		
6,950.00	6,747.66	6,757.66	6,757.66	31.56	234.19	-148.04	-897.59	-4,429.08	5,068.73	4,803.28	265.45	19.095		
7,000.00	6,770.37	6,780.37	6,780.37	31.92	234.98	-142.70	-897.59	-4,429.08	5,111.23	4,844.91	266.33	19.191		
7,050.00	6,789.58	6,800.42	6,799.58	32.33	235.68	-136.25	-897.59	-4,429.08	5,155.10	4,888.00	267.10	19.300		
7,100.00	6,805.17	6,815.17	6,815.17	32.78	236.20	-128.45	-897.59	-4,429.08	5,200.07	4,932.39	267.68	19.427		
7,150.00	6,817.03	6,827.03	6,827.03	33.27	236.61	-119.15	-897.59	-4,429.08	5,245.87	4,977.73	268.14	19.564		
7,200.00	6,825.11	6,835.11	6,835.11	33.80	236.89	-108.45	-897.59	-4,429.08	5,292.23	5,023.76	268.47	19.712		
7,250.00	6,829.35	6,839.35	6,839.35	34.37	237.04	-96.91	-897.59	-4,429.08	5,338.86	5,070.21	268.66	19.872		
7,273.12	6,830.00	6,840.00	6,840.00	34.65	237.06	-91.53	-897.59	-4,429.08	5,360.45	5,091.75	268.70	19.950		
7,300.00	6,830.28	6,840.28	6,840.28	34.98	237.07	-91.54	-897.59	-4,429.08	5,385.53	5,116.80	268.73	20.041		
7,400.00	6,831.31	6,841.31	6,841.31	36.32	237.11	-91.57	-897.59	-4,429.08	5,479.01	5,210.15	268.85	20.379		
7,500.00	6,832.34	6,842.34	6,842.34	37.83	237.14	-91.60	-897.59	-4,429.08	5,572.71	5,303.71	269.00	20.716		
7,600.00	6,833.37	6,843.37	6,843.37	39.49	237.18	-91.63	-897.59	-4,429.08	5,666.63	5,397.46	269.17	21.052		
7,700.00	6,834.40	6,844.40	6,844.40	41.27	237.22	-91.66	-897.59	-4,429.08	5,760.76	5,491.40	269.36	21.387		
7,800.00	6,835.44	6,845.44	6,845.44	43.17	237.25	-91.69	-897.59	-4,429.08	5,855.07	5,585.51	269.56	21.721		
7,900.00	6,836.47	6,846.47	6,846.47	45.17	237.29	-91.72	-897.59	-4,429.08	5,949.58	5,679.80	269.78	22.054		
8,000.00	6,837.50	6,847.50	6,847.50	47.26	237.32	-91.75	-897.59	-4,429.08	6,044.26	5,774.25	270.00	22.386		
8,100.00	6,838.53	6,848.53	6,848.53	49.43	237.36	-91.78	-897.59	-4,429.08	6,139.11	5,868.87	270.24	22.717		
8,200.00	6,839.56	6,849.56	6,849.56	51.66	237.40	-91.81	-897.59	-4,429.08	6,234.11	5,963.63	270.49	23.048		
8,300.00	6,840.59	6,850.59	6,850.59	53.95	237.43	-91.85	-897.59	-4,429.08	6,329.28	6,058.54	270.74	23.378		
8,400.00	6,841.62	6,851.62	6,851.62	56.29	237.47	-91.88	-897.59	-4,429.08	6,424.59	6,153.59	271.00	23.707		
8,500.00	6,842.65	6,852.65	6,852.65	58.67	237.50	-91.91	-897.59	-4,429.08	6,520.04	6,248.77	271.27	24.035		
8,600.00	6,843.68	6,853.68	6,853.68	61.10	237.54	-91.94	-897.59	-4,429.08	6,615.62	6,344.08	271.54	24.363		
8,700.00	6,844.71	6,854.71	6,854.71	63.56	237.58	-91.97	-897.59	-4,429.08	6,711.34	6,439.52	271.81	24.691		
8,800.00	6,845.75	6,855.75	6,855.75	66.05	237.61	-92.00	-897.59	-4,429.08	6,807.17	6,535.08	272.09	25.018		
8,900.00	6,846.78	6,856.78	6,856.78	68.58	237.65	-92.03	-897.59	-4,429.08	6,903.13	6,630.75	272.37	25.344		
9,000.00	6,847.81	6,857.81	6,857.81	71.12	237.68	-92.06	-897.59	-4,429.08	6,999.19	6,726.54	272.66	25.670		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,100.00	6,848.84	6,858.84	6,858.84	73.69	237.72	92.09	-897.59	-4,429.08	7,095.37	6,822.43	272.94	25.996		
9,200.00	6,849.87	6,859.87	6,859.87	76.28	237.76	92.12	-897.59	-4,429.08	7,191.65	6,918.42	273.23	26.321		
9,300.00	6,850.90	6,860.90	6,860.90	78.89	237.79	92.15	-897.59	-4,429.08	7,288.03	7,014.52	273.51	26.646		
9,400.00	6,851.93	6,861.93	6,861.93	81.51	237.83	92.18	-897.59	-4,429.08	7,384.50	7,110.71	273.80	26.971		
9,500.00	6,852.96	6,862.96	6,862.96	84.15	237.86	92.21	-897.59	-4,429.08	7,481.07	7,206.99	274.08	27.295		
9,600.00	6,853.99	6,863.99	6,863.99	86.80	237.90	92.24	-897.59	-4,429.08	7,577.73	7,303.36	274.37	27.619		
9,700.00	6,855.03	6,865.03	6,865.03	89.46	237.94	92.27	-897.59	-4,429.08	7,674.47	7,399.82	274.65	27.943		
9,800.00	6,856.06	6,866.06	6,866.06	92.14	237.97	92.30	-897.59	-4,429.08	7,771.30	7,496.36	274.94	28.266		
9,900.00	6,857.09	6,867.09	6,867.09	94.83	238.01	92.33	-897.59	-4,429.08	7,868.20	7,592.98	275.22	28.589		
10,000.00	6,858.12	6,868.12	6,868.12	97.52	238.04	92.37	-897.59	-4,429.08	7,965.18	7,689.68	275.50	28.912		
10,100.00	6,859.15	6,869.15	6,869.15	100.23	238.08	92.40	-897.59	-4,429.08	8,062.24	7,786.46	275.78	29.234		
10,200.00	6,860.18	6,870.18	6,870.18	102.94	238.12	92.43	-897.59	-4,429.08	8,159.36	7,883.30	276.06	29.557		
10,300.00	6,861.21	6,871.21	6,871.21	105.66	238.15	92.46	-897.59	-4,429.08	8,256.56	7,980.22	276.34	29.879		
10,400.00	6,862.24	6,872.24	6,872.24	108.39	238.19	92.49	-897.59	-4,429.08	8,353.82	8,077.21	276.61	30.200		
10,500.00	6,863.27	6,873.27	6,873.27	111.12	238.22	92.52	-897.59	-4,429.08	8,451.14	8,174.26	276.89	30.522		
10,600.00	6,864.30	6,874.30	6,874.30	113.86	238.26	92.55	-897.59	-4,429.08	8,548.53	8,271.37	277.16	30.843		
10,700.00	6,865.34	6,875.34	6,875.34	116.60	238.30	92.58	-897.59	-4,429.08	8,645.97	8,368.54	277.43	31.165		
10,800.00	6,866.37	6,876.37	6,876.37	119.35	238.33	92.61	-897.59	-4,429.08	8,743.48	8,465.78	277.70	31.486		
10,900.00	6,867.40	6,877.40	6,877.40	122.11	238.37	92.64	-897.59	-4,429.08	8,841.03	8,563.07	277.96	31.806		
11,000.00	6,868.43	6,878.43	6,878.43	124.87	238.40	92.67	-897.59	-4,429.08	8,938.65	8,660.42	278.23	32.127		
11,100.00	6,869.46	6,879.46	6,879.46	127.63	238.44	92.70	-897.59	-4,429.08	9,036.31	8,757.82	278.49	32.447		
11,200.00	6,870.49	6,880.49	6,880.49	130.40	238.48	92.73	-897.59	-4,429.08	9,134.02	8,855.27	278.75	32.767		
11,300.00	6,871.52	6,881.52	6,881.52	133.17	238.51	92.76	-897.59	-4,429.08	9,231.79	8,952.78	279.01	33.087		
11,400.00	6,872.55	6,882.55	6,882.55	135.94	238.55	92.79	-897.59	-4,429.08	9,329.60	9,050.33	279.27	33.407		
11,500.00	6,873.58	6,883.58	6,883.58	138.72	238.58	92.82	-897.59	-4,429.08	9,427.46	9,147.93	279.53	33.727		
11,600.00	6,874.62	6,884.62	6,884.62	141.50	238.62	92.85	-897.59	-4,429.08	9,525.36	9,245.58	279.78	34.046		
11,700.00	6,875.65	6,885.65	6,885.65	144.28	238.66	92.88	-897.59	-4,429.08	9,623.30	9,343.27	280.03	34.365		
11,800.00	6,876.68	6,886.68	6,886.68	147.07	238.69	92.92	-897.59	-4,429.08	9,721.29	9,441.01	280.28	34.684		
11,900.00	6,877.71	6,887.71	6,887.71	149.85	238.73	92.95	-897.59	-4,429.08	9,819.31	9,538.78	280.53	35.003		
12,000.00	6,878.74	6,888.74	6,888.74	152.65	238.76	92.98	-897.59	-4,429.08	9,917.38	9,636.60	280.78	35.321		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-86.25	279.07	-4,259.06	4,268.33					
100.00	100.00	66.00	66.00	3.28	1.15	-86.25	279.07	-4,259.06	4,268.20	4,263.76	4.44	961.997		
200.00	200.00	166.00	166.00	3.34	4.05	-86.25	279.07	-4,259.06	4,268.20	4,260.81	7.39	577.830		
300.00	300.00	266.00	266.00	3.44	7.54	-86.25	279.07	-4,259.06	4,268.20	4,257.21	10.99	388.531		
400.00	399.98	365.98	365.98	3.60	11.03	-82.32	279.07	-4,259.06	4,267.96	4,253.33	14.63	291.650		
500.00	499.84	465.84	465.84	3.81	14.52	-82.40	279.07	-4,259.06	4,267.27	4,248.94	18.32	232.906		
600.00	599.45	565.45	565.45	4.06	17.99	-82.54	279.07	-4,259.06	4,266.12	4,244.08	22.04	193.565		
700.00	698.70	664.70	664.70	4.34	21.46	-82.73	279.07	-4,259.06	4,264.55	4,238.77	25.78	165.429		
775.00	772.83	738.83	738.83	4.57	24.05	-82.91	279.07	-4,259.06	4,263.10	4,234.51	28.59	149.100		
800.00	797.48	763.48	763.48	4.65	24.91	-82.97	279.07	-4,259.06	4,262.59	4,233.06	29.53	144.340		
900.00	896.11	862.11	862.11	4.97	28.35	-83.18	279.07	-4,259.06	4,260.57	4,227.27	33.31	127.924		
1,000.00	994.74	960.74	960.74	5.31	31.79	-83.40	279.07	-4,259.06	4,258.62	4,221.52	37.10	114.788		
1,100.00	1,093.37	1,059.37	1,059.37	5.68	35.24	-83.62	279.07	-4,259.06	4,256.73	4,215.82	40.91	104.047		
1,200.00	1,192.00	1,158.00	1,158.00	6.06	38.68	-83.84	279.07	-4,259.06	4,254.90	4,210.16	44.74	95.109		
1,300.00	1,290.63	1,256.63	1,256.63	6.45	42.12	-84.05	279.07	-4,259.06	4,253.13	4,204.56	48.57	87.560		
1,400.00	1,389.26	1,355.26	1,355.26	6.86	45.57	-84.27	279.07	-4,259.06	4,251.43	4,199.01	52.42	81.103		
1,500.00	1,487.88	1,453.88	1,453.88	7.27	49.01	-84.49	279.07	-4,259.06	4,249.80	4,193.52	56.27	75.520		
1,600.00	1,586.51	1,552.51	1,552.51	7.69	52.45	-84.71	279.07	-4,259.06	4,248.22	4,188.09	60.13	70.645		
1,700.00	1,685.14	1,651.14	1,651.14	8.11	55.90	-84.93	279.07	-4,259.06	4,246.71	4,182.71	64.00	66.354		
1,800.00	1,783.77	1,749.77	1,749.77	8.54	59.34	-85.15	279.07	-4,259.06	4,245.26	4,177.39	67.87	62.548		
1,900.00	1,882.40	1,848.40	1,848.40	8.97	62.78	-85.37	279.07	-4,259.06	4,243.88	4,172.13	71.75	59.150		
2,000.00	1,981.03	1,947.03	1,947.03	9.41	66.23	-85.59	279.07	-4,259.06	4,242.56	4,166.93	75.63	56.099		
2,100.00	2,079.66	2,045.66	2,045.66	9.84	69.67	-85.80	279.07	-4,259.06	4,241.30	4,161.80	79.51	53.344		
2,200.00	2,178.28	2,144.28	2,144.28	10.29	73.11	-86.02	279.07	-4,259.06	4,240.11	4,156.72	83.39	50.845		
2,300.00	2,276.91	2,242.91	2,242.91	10.73	76.55	-86.24	279.07	-4,259.06	4,238.98	4,151.70	87.28	48.568		
2,400.00	2,375.54	2,341.54	2,341.54	11.18	80.00	-86.46	279.07	-4,259.06	4,237.92	4,146.75	91.17	46.485		
2,500.00	2,474.17	2,440.17	2,440.17	11.62	83.44	-86.68	279.07	-4,259.06	4,236.92	4,141.86	95.06	44.571		
2,600.00	2,572.80	2,538.80	2,538.80	12.07	86.88	-86.90	279.07	-4,259.06	4,235.98	4,137.03	98.95	42.809		
2,700.00	2,671.43	2,637.43	2,637.43	12.52	90.33	-87.12	279.07	-4,259.06	4,235.11	4,132.27	102.85	41.179		
2,800.00	2,770.05	2,736.05	2,736.05	12.97	93.77	-87.34	279.07	-4,259.06	4,234.30	4,127.56	106.74	39.669		
2,900.00	2,868.68	2,834.68	2,834.68	13.43	97.21	-87.56	279.07	-4,259.06	4,233.56	4,122.92	110.64	38.265		
3,000.00	2,967.31	2,933.31	2,933.31	13.88	100.66	-87.78	279.07	-4,259.06	4,232.88	4,118.35	114.53	36.957		
3,100.00	3,065.94	3,031.94	3,031.94	14.34	104.10	-88.00	279.07	-4,259.06	4,232.26	4,113.83	118.43	35.736		
3,200.00	3,164.57	3,130.57	3,130.57	14.79	107.54	-88.22	279.07	-4,259.06	4,231.71	4,109.38	122.33	34.592		
3,300.00	3,263.20	3,229.20	3,229.20	15.25	110.99	-88.44	279.07	-4,259.06	4,231.23	4,105.00	126.23	33.520		
3,400.00	3,361.83	3,327.83	3,327.83	15.71	114.43	-88.66	279.07	-4,259.06	4,230.80	4,100.67	130.13	32.512		
3,500.00	3,460.45	3,426.45	3,426.45	16.17	117.87	-88.88	279.07	-4,259.06	4,230.45	4,096.41	134.03	31.563		
3,600.00	3,559.08	3,525.08	3,525.08	16.62	121.32	-89.11	279.07	-4,259.06	4,230.15	4,092.22	137.94	30.668		
3,700.00	3,657.71	3,623.71	3,623.71	17.08	124.76	-89.33	279.07	-4,259.06	4,229.92	4,088.09	141.84	29.822		
3,800.00	3,756.34	3,722.34	3,722.34	17.54	128.20	-89.55	279.07	-4,259.06	4,229.76	4,084.02	145.74	29.022		
3,900.00	3,854.97	3,820.97	3,820.97	18.00	131.64	-89.77	279.07	-4,259.06	4,229.66	4,080.01	149.64	28.265		
4,000.00	3,953.60	3,919.60	3,919.60	18.46	135.09	-89.99	279.07	-4,259.06	4,229.62	4,076.07	153.55	27.546		
4,005.83	3,959.35	3,925.35	3,925.35	18.49	135.29	-90.00	279.07	-4,259.06	4,229.62	4,075.85	153.78	27.505 CC		
4,100.00	4,052.23	4,018.23	4,018.23	18.92	138.53	-90.21	279.07	-4,259.06	4,229.65	4,072.20	157.45	26.863		
4,200.00	4,150.85	4,116.85	4,116.85	19.39	141.97	-90.43	279.07	-4,259.06	4,229.74	4,068.39	161.36	26.213		
4,300.00	4,249.48	4,215.48	4,215.48	19.85	145.42	-90.65	279.07	-4,259.06	4,229.90	4,064.64	165.26	25.595		
4,400.00	4,348.11	4,314.11	4,314.11	20.31	148.86	-90.87	279.07	-4,259.06	4,230.12	4,060.95	169.17	25.005		
4,500.00	4,446.74	4,412.74	4,412.74	20.77	152.30	-91.09	279.07	-4,259.06	4,230.41	4,057.34	173.07	24.443		
4,600.00	4,545.37	4,511.37	4,511.37	21.23	155.75	-91.31	279.07	-4,259.06	4,230.76	4,053.78	176.98	23.905		
4,700.00	4,644.00	4,610.00	4,610.00	21.70	159.19	-91.53	279.07	-4,259.06	4,231.17	4,050.29	180.89	23.391		
4,800.00	4,742.63	4,708.63	4,708.63	22.16	162.63	-91.75	279.07	-4,259.06	4,231.65	4,046.86	184.79	22.899		
4,900.00	4,841.25	4,807.25	4,807.25	22.62	166.08	-91.97	279.07	-4,259.06	4,232.20	4,043.50	188.70	22.428		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
5,000.00	4,939.88	4,905.88	4,905.88	23.09	169.52	-92.19	279.07	-4,259.06	4,232.80	4,040.20	192.61	21.976		
5,100.00	5,038.51	5,004.51	5,004.51	23.55	172.96	-92.41	279.07	-4,259.06	4,233.48	4,036.96	196.51	21.543		
5,200.00	5,137.14	5,103.14	5,103.14	24.02	176.41	-92.63	279.07	-4,259.06	4,234.21	4,033.79	200.42	21.127		
5,300.00	5,235.77	5,201.77	5,201.77	24.48	179.85	-92.85	279.07	-4,259.06	4,235.01	4,030.68	204.33	20.727		
5,400.00	5,334.40	5,300.40	5,300.40	24.94	183.29	-93.07	279.07	-4,259.06	4,235.88	4,027.64	208.24	20.342		
5,500.00	5,433.03	5,400.97	5,399.03	25.41	186.80	-93.29	279.07	-4,259.06	4,236.81	4,024.59	212.21	19.965		
5,600.00	5,531.65	5,502.35	5,497.65	25.87	190.34	-93.51	279.07	-4,259.06	4,237.80	4,021.58	216.22	19.600		
5,700.00	5,630.28	5,603.72	5,596.28	26.34	193.88	-93.73	279.07	-4,259.06	4,238.86	4,018.64	220.22	19.248		
5,800.00	5,728.91	5,705.09	5,694.91	26.80	197.42	-93.95	279.07	-4,259.06	4,239.98	4,015.75	224.22	18.910		
5,900.00	5,827.54	5,806.46	5,793.54	27.27	200.96	-94.17	279.07	-4,259.06	4,241.16	4,012.93	228.23	18.583		
6,000.00	5,926.17	5,907.83	5,892.17	27.73	204.50	-94.39	279.07	-4,259.06	4,242.41	4,010.18	232.23	18.268		
6,100.00	6,024.80	6,009.20	5,990.80	28.20	208.04	-94.61	279.07	-4,259.06	4,243.72	4,007.49	236.24	17.964		
6,200.00	6,123.43	6,089.43	6,089.43	28.66	210.84	-94.83	279.07	-4,259.06	4,245.10	4,005.60	239.50	17.725		
6,272.77	6,195.20	6,161.20	6,161.20	29.00	213.34	-94.99	279.07	-4,259.06	4,246.14	4,003.79	242.35	17.521		
6,300.00	6,222.05	6,188.05	6,188.05	29.13	214.28	-109.60	279.07	-4,259.06	4,247.11	4,003.70	243.41	17.448 ES		
6,350.00	6,271.23	6,237.23	6,237.23	29.36	216.00	-132.39	279.07	-4,259.06	4,251.90	4,006.55	245.35	17.330		
6,400.00	6,319.99	6,285.99	6,285.99	29.58	217.70	-147.56	279.07	-4,259.06	4,260.54	4,013.26	247.28	17.230		
6,450.00	6,368.01	6,334.01	6,334.01	29.79	219.38	-157.20	279.07	-4,259.06	4,272.98	4,023.81	249.16	17.149		
6,500.00	6,415.02	6,381.02	6,381.02	29.99	221.02	-163.60	279.07	-4,259.06	4,289.13	4,038.13	251.01	17.088		
6,550.00	6,460.71	6,426.71	6,426.71	30.18	222.61	-168.15	279.07	-4,259.06	4,308.90	4,056.11	252.79	17.045		
6,600.00	6,504.81	6,470.81	6,470.81	30.36	224.15	-171.60	279.07	-4,259.06	4,332.16	4,077.65	254.51	17.021		
6,650.00	6,547.04	6,513.04	6,513.04	30.53	225.63	-174.38	279.07	-4,259.06	4,358.77	4,102.61	256.16	17.016 SF		
6,700.00	6,587.14	6,553.14	6,553.14	30.69	227.03	-176.76	279.07	-4,259.06	4,388.55	4,130.84	257.71	17.029		
6,750.00	6,624.87	6,609.13	6,590.87	30.83	228.98	-178.92	279.07	-4,259.06	4,421.32	4,161.51	259.81	17.018		
6,800.00	6,660.00	6,626.00	6,626.00	30.96	229.57	-178.99	279.07	-4,259.06	4,456.89	4,196.37	260.52	17.107		
6,850.00	6,692.30	6,658.30	6,658.30	31.07	230.70	-176.85	279.07	-4,259.06	4,495.03	4,233.26	261.76	17.172		
6,900.00	6,721.58	6,687.58	6,687.58	31.23	231.72	-174.51	279.07	-4,259.06	4,535.50	4,272.62	262.88	17.253		
6,950.00	6,747.66	6,713.66	6,713.66	31.56	232.63	-171.78	279.07	-4,259.06	4,578.07	4,314.19	263.88	17.349		
7,000.00	6,770.37	6,736.37	6,736.37	31.92	233.42	-168.39	279.07	-4,259.06	4,622.46	4,357.73	264.73	17.461		
7,050.00	6,789.58	6,755.58	6,755.58	32.33	234.09	-163.89	279.07	-4,259.06	4,668.41	4,402.95	265.46	17.586		
7,100.00	6,805.17	6,771.17	6,771.17	32.78	234.64	-157.47	279.07	-4,259.06	4,715.63	4,449.59	266.04	17.725		
7,150.00	6,817.03	6,783.03	6,783.03	33.27	235.05	-147.61	279.07	-4,259.06	4,763.84	4,497.36	266.48	17.877		
7,200.00	6,825.11	6,808.89	6,791.11	33.80	235.95	-131.61	279.07	-4,259.06	4,812.74	4,545.35	267.40	17.999		
7,250.00	6,829.35	6,804.65	6,795.35	34.37	235.81	-107.02	279.07	-4,259.06	4,862.04	4,594.78	267.25	18.193		
7,273.12	6,830.00	6,804.00	6,796.00	34.65	235.78	-93.78	279.07	-4,259.06	4,884.88	4,617.65	267.23	18.280		
7,300.00	6,830.28	6,803.72	6,796.28	34.98	235.77	-93.80	279.07	-4,259.06	4,911.44	4,644.22	267.22	18.380		
7,400.00	6,831.31	6,802.69	6,797.31	36.32	235.74	-93.88	279.07	-4,259.06	5,010.27	4,743.09	267.18	18.752		
7,500.00	6,832.34	6,801.66	6,798.34	37.83	235.70	-93.96	279.07	-4,259.06	5,109.16	4,842.00	267.15	19.124		
7,600.00	6,833.37	6,800.63	6,799.37	39.49	235.66	-94.04	279.07	-4,259.06	5,208.08	4,940.95	267.13	19.497		
7,700.00	6,834.40	6,800.40	6,800.40	41.27	235.66	-94.11	279.07	-4,259.06	5,307.04	5,039.91	267.14	19.866		
7,800.00	6,835.44	6,801.44	6,801.44	43.17	235.69	-94.19	279.07	-4,259.06	5,406.04	5,138.85	267.19	20.233		
7,900.00	6,836.47	6,802.47	6,802.47	45.17	235.73	-94.27	279.07	-4,259.06	5,505.08	5,237.83	267.25	20.599		
8,000.00	6,837.50	6,803.50	6,803.50	47.26	235.77	-94.35	279.07	-4,259.06	5,604.15	5,336.84	267.32	20.964		
8,100.00	6,838.53	6,804.53	6,804.53	49.43	235.80	-94.43	279.07	-4,259.06	5,703.26	5,435.87	267.39	21.330		
8,200.00	6,839.56	6,805.56	6,805.56	51.66	235.84	-94.50	279.07	-4,259.06	5,802.39	5,534.93	267.46	21.695		
8,300.00	6,840.59	6,806.59	6,806.59	53.95	235.87	-94.58	279.07	-4,259.06	5,901.55	5,634.02	267.53	22.059		
8,400.00	6,841.62	6,807.62	6,807.62	56.29	235.91	-94.66	279.07	-4,259.06	6,000.75	5,733.14	267.61	22.424		
8,500.00	6,842.65	6,808.65	6,808.65	58.67	235.95	-94.74	279.07	-4,259.06	6,099.96	5,832.28	267.69	22.788		
8,600.00	6,843.68	6,809.68	6,809.68	61.10	235.98	-94.82	279.07	-4,259.06	6,199.21	5,931.44	267.77	23.152		
8,700.00	6,844.71	6,810.71	6,810.71	63.56	236.02	-94.89	279.07	-4,259.06	6,298.47	6,030.62	267.85	23.515		
8,800.00	6,845.75	6,811.75	6,811.75	66.05	236.05	-94.97	279.07	-4,259.06	6,397.76	6,129.82	267.94	23.878		
8,900.00	6,846.78	6,812.78	6,812.78	68.58	236.09	-95.05	279.07	-4,259.06	6,497.07	6,229.05	268.02	24.241		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,000.00	6,847.81	6,813.81	6,813.81	71.12	236.12	95.13	279.07	-4,259.06	6,596.40	6,328.29	268.11	24.603		
9,100.00	6,848.84	6,814.84	6,814.84	73.69	236.16	95.21	279.07	-4,259.06	6,695.75	6,427.55	268.20	24.965		
9,200.00	6,849.87	6,815.87	6,815.87	76.28	236.20	95.28	279.07	-4,259.06	6,795.12	6,526.83	268.29	25.327		
9,300.00	6,850.90	6,816.90	6,816.90	78.89	236.23	95.36	279.07	-4,259.06	6,894.51	6,626.12	268.39	25.689		
9,400.00	6,851.93	6,817.93	6,817.93	81.51	236.27	95.44	279.07	-4,259.06	6,993.91	6,725.43	268.48	26.050		
9,500.00	6,852.96	6,818.96	6,818.96	84.15	236.30	95.52	279.07	-4,259.06	7,093.34	6,824.76	268.58	26.411		
9,600.00	6,853.99	6,819.99	6,819.99	86.80	236.34	95.59	279.07	-4,259.06	7,192.77	6,924.10	268.68	26.771		
9,700.00	6,855.03	6,821.03	6,821.03	89.46	236.38	95.67	279.07	-4,259.06	7,292.23	7,023.45	268.78	27.131		
9,800.00	6,856.06	6,822.06	6,822.06	92.14	236.41	95.75	279.07	-4,259.06	7,391.69	7,122.82	268.88	27.491		
9,900.00	6,857.09	6,823.09	6,823.09	94.83	236.45	95.83	279.07	-4,259.06	7,491.17	7,222.20	268.98	27.851		
10,000.00	6,858.12	6,824.12	6,824.12	97.52	236.48	95.90	279.07	-4,259.06	7,590.67	7,321.59	269.08	28.210		
10,100.00	6,859.15	6,825.15	6,825.15	100.23	236.52	95.98	279.07	-4,259.06	7,690.18	7,421.00	269.18	28.569		
10,200.00	6,860.18	6,826.18	6,826.18	102.94	236.56	96.06	279.07	-4,259.06	7,789.70	7,520.41	269.29	28.927		
10,300.00	6,861.21	6,827.21	6,827.21	105.66	236.59	96.14	279.07	-4,259.06	7,889.23	7,619.84	269.39	29.285		
10,400.00	6,862.24	6,828.24	6,828.24	108.39	236.63	96.21	279.07	-4,259.06	7,988.77	7,719.28	269.50	29.643		
10,500.00	6,863.27	6,829.27	6,829.27	111.12	236.66	96.29	279.07	-4,259.06	8,088.33	7,818.73	269.60	30.001		
10,600.00	6,864.30	6,830.30	6,830.30	113.86	236.70	96.37	279.07	-4,259.06	8,187.89	7,918.18	269.71	30.358		
10,700.00	6,865.34	6,831.34	6,831.34	116.60	236.74	96.45	279.07	-4,259.06	8,287.47	8,017.65	269.82	30.715		
10,800.00	6,866.37	6,832.37	6,832.37	119.35	236.77	96.52	279.07	-4,259.06	8,387.06	8,117.13	269.93	31.071		
10,900.00	6,867.40	6,833.40	6,833.40	122.11	236.81	96.60	279.07	-4,259.06	8,486.65	8,216.61	270.04	31.428		
11,000.00	6,868.43	6,834.43	6,834.43	124.87	236.84	96.68	279.07	-4,259.06	8,586.26	8,316.11	270.15	31.784		
11,100.00	6,869.46	6,835.46	6,835.46	127.63	236.88	96.76	279.07	-4,259.06	8,685.87	8,415.61	270.26	32.139		
11,200.00	6,870.49	6,836.49	6,836.49	130.40	236.92	96.83	279.07	-4,259.06	8,785.49	8,515.12	270.37	32.494		
11,300.00	6,871.52	6,837.52	6,837.52	133.17	236.95	96.91	279.07	-4,259.06	8,885.12	8,614.64	270.48	32.849		
11,400.00	6,872.55	6,838.55	6,838.55	135.94	236.99	96.99	279.07	-4,259.06	8,984.76	8,714.17	270.60	33.203		
11,500.00	6,873.58	6,839.58	6,839.58	138.72	237.02	97.07	279.07	-4,259.06	9,084.41	8,813.70	270.71	33.557		
11,600.00	6,874.62	6,840.62	6,840.62	141.50	237.06	97.14	279.07	-4,259.06	9,184.06	8,913.24	270.83	33.911		
11,700.00	6,875.65	6,841.65	6,841.65	144.28	237.10	97.22	279.07	-4,259.06	9,283.73	9,012.78	270.94	34.265		
11,800.00	6,876.68	6,842.68	6,842.68	147.07	237.13	97.30	279.07	-4,259.06	9,383.39	9,112.34	271.06	34.618		
11,900.00	6,877.71	6,843.71	6,843.71	149.85	237.17	97.38	279.07	-4,259.06	9,483.07	9,211.90	271.18	34.970		
12,000.00	6,878.74	6,844.74	6,844.74	152.65	237.20	97.45	279.07	-4,259.06	9,582.75	9,311.46	271.29	35.323		
12,100.00	6,879.77	6,845.77	6,845.77	155.44	237.24	97.53	279.07	-4,259.06	9,682.44	9,411.03	271.41	35.675		
12,200.00	6,880.80	6,846.80	6,846.80	158.23	237.28	97.61	279.07	-4,259.06	9,782.14	9,510.61	271.53	36.026		
12,300.00	6,881.83	6,847.83	6,847.83	161.03	237.31	97.68	279.07	-4,259.06	9,881.84	9,610.19	271.65	36.377		
12,400.00	6,882.86	6,848.86	6,848.86	163.83	237.35	97.76	279.07	-4,259.06	9,981.54	9,709.78	271.77	36.728		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	72.74	760.79	2,448.77	2,564.24					
100.00	100.00	92.62	92.62	3.28	3.29	72.74	760.82	2,448.83	2,564.30	2,557.73	6.57	390.261		
200.00	200.00	195.09	195.09	3.34	3.34	72.74	760.95	2,448.89	2,564.39	2,557.71	6.68	384.157		
300.00	300.00	306.20	306.20	3.44	3.46	72.73	761.20	2,448.61	2,564.22	2,557.31	6.90	371.454		
400.00	399.98	412.99	412.99	3.60	3.63	76.74	761.47	2,447.94	2,563.30	2,556.06	7.23	354.435		
500.00	499.84	519.38	519.38	3.81	3.85	76.89	761.65	2,446.96	2,561.26	2,553.61	7.65	334.744		
600.00	599.45	614.38	614.37	4.06	4.07	77.12	761.57	2,446.16	2,558.47	2,550.35	8.12	315.124		
700.00	698.70	712.36	712.35	4.34	4.34	77.44	761.61	2,445.43	2,555.06	2,546.40	8.66	295.193		
775.00	772.83	788.94	788.93	4.57	4.56	77.75	761.78	2,444.79	2,552.02	2,542.92	9.10	280.347		
800.00	797.48	814.17	814.15	4.65	4.63	77.84	761.85	2,444.56	2,550.93	2,541.68	9.26	275.551		
900.00	896.11	914.31	914.29	4.97	4.95	78.19	762.06	2,443.62	2,546.61	2,536.71	9.90	257.215		
1,000.00	994.74	1,015.85	1,015.83	5.31	5.28	78.55	762.25	2,442.61	2,542.32	2,531.74	10.59	240.163		
1,100.00	1,093.37	1,124.83	1,124.79	5.68	5.65	78.94	762.49	2,441.19	2,537.84	2,526.52	11.33	224.037		
1,200.00	1,192.00	1,229.43	1,229.38	6.06	6.03	79.31	762.55	2,439.49	2,533.11	2,521.03	12.08	209.680		
1,300.00	1,290.63	1,326.62	1,326.56	6.45	6.38	79.65	762.68	2,437.83	2,528.42	2,515.60	12.83	197.099		
1,400.00	1,389.26	1,424.22	1,424.14	6.86	6.74	80.00	763.04	2,436.20	2,523.92	2,510.33	13.59	185.666		
1,500.00	1,487.88	1,526.14	1,526.04	7.27	7.13	80.36	763.22	2,434.43	2,519.40	2,505.01	14.39	175.083		
1,600.00	1,586.51	1,622.25	1,622.14	7.69	7.50	80.70	763.43	2,432.79	2,515.02	2,499.85	15.18	165.723		
1,700.00	1,685.14	1,723.54	1,723.42	8.11	7.89	81.07	763.61	2,431.07	2,510.74	2,494.75	15.99	156.999		
1,800.00	1,783.77	1,825.26	1,825.11	8.54	8.29	81.44	763.71	2,429.17	2,506.37	2,489.55	16.82	149.023		
1,900.00	1,882.40	1,915.12	1,914.96	8.97	8.64	81.76	763.94	2,427.59	2,502.25	2,484.64	17.61	142.116		
2,000.00	1,981.03	1,999.66	1,999.50	9.41	8.98	82.06	764.48	2,426.45	2,498.70	2,480.32	18.38	135.943		
2,100.00	2,079.66	2,095.11	2,094.93	9.84	9.36	82.39	765.40	2,425.44	2,495.59	2,476.39	19.20	129.970		
2,200.00	2,178.28	2,196.17	2,195.98	10.29	9.77	82.73	767.01	2,424.27	2,492.60	2,472.55	20.05	124.321		
2,300.00	2,276.91	2,290.34	2,290.11	10.73	10.15	83.03	769.19	2,423.08	2,489.73	2,468.86	20.88	119.264		
2,400.00	2,375.54	2,389.92	2,389.64	11.18	10.56	83.34	771.81	2,421.87	2,487.04	2,465.31	21.73	114.465		
2,500.00	2,474.17	2,473.83	2,473.52	11.62	10.90	83.60	774.48	2,420.97	2,484.67	2,462.15	22.52	110.331		
2,600.00	2,572.80	2,563.62	2,563.23	12.07	11.27	83.86	777.93	2,420.43	2,482.93	2,459.59	23.34	106.384		
2,700.00	2,671.43	2,661.28	2,660.82	12.52	11.68	84.14	781.75	2,420.03	2,481.47	2,457.27	24.19	102.567		
2,800.00	2,770.05	2,755.95	2,755.40	12.97	12.07	84.41	785.72	2,419.64	2,480.10	2,455.07	25.04	99.053		
2,900.00	2,868.68	2,837.24	2,836.62	13.43	12.41	84.64	789.25	2,419.60	2,479.20	2,453.38	25.83	95.989		
2,936.40	2,904.58	2,863.50	2,862.85	13.59	12.52	84.71	790.43	2,419.76	2,479.13	2,453.03	26.10	94.981		
3,000.00	2,967.31	2,913.41	2,912.70	13.88	12.73	84.85	792.72	2,420.34	2,479.35	2,452.75	26.60	93.223		
3,100.00	3,065.94	3,014.11	3,013.30	14.34	13.15	85.13	797.26	2,421.63	2,479.88	2,452.41	27.47	90.276		
3,200.00	3,164.57	3,103.22	3,102.30	14.79	13.52	85.39	801.36	2,422.96	2,480.69	2,452.39	28.30	87.671		
3,300.00	3,263.20	3,196.98	3,195.95	15.25	13.91	85.65	805.70	2,424.64	2,481.86	2,452.72	29.14	85.165		
3,400.00	3,361.83	3,283.21	3,282.07	15.71	14.28	85.90	809.31	2,426.57	2,483.46	2,453.51	29.95	82.909		
3,500.00	3,460.45	3,386.77	3,385.54	16.17	14.71	86.22	812.99	2,429.22	2,485.37	2,454.53	30.84	80.579		
3,600.00	3,559.08	3,482.21	3,480.89	16.62	15.11	86.51	816.29	2,431.57	2,487.24	2,455.54	31.70	78.465		
3,700.00	3,657.71	3,578.42	3,577.01	17.08	15.51	86.81	819.52	2,434.12	2,489.35	2,456.80	32.56	76.461		
3,800.00	3,756.34	3,696.20	3,694.72	17.54	16.00	87.21	822.24	2,437.09	2,491.31	2,457.79	33.51	74.340		
3,900.00	3,854.97	3,803.94	3,802.43	18.00	16.45	87.59	823.79	2,439.22	2,492.70	2,458.27	34.42	72.414		
4,000.00	3,953.60	3,912.49	3,910.95	18.46	16.90	87.97	825.16	2,440.98	2,493.82	2,458.49	35.34	70.572		
4,100.00	4,052.23	4,023.08	4,021.53	18.92	17.37	88.37	826.29	2,442.34	2,494.63	2,458.37	36.26	68.796		
4,200.00	4,150.85	4,131.25	4,129.69	19.39	17.82	88.75	827.55	2,443.09	2,495.02	2,457.84	37.18	67.114		
4,300.00	4,249.48	4,229.39	4,227.82	19.85	18.23	89.09	828.86	2,443.71	2,495.45	2,457.41	38.05	65.586		
4,400.00	4,348.11	4,337.22	4,335.63	20.31	18.68	89.46	830.65	2,444.15	2,495.80	2,456.83	38.96	64.055		
4,500.00	4,446.74	4,468.17	4,466.56	20.77	19.23	89.93	832.98	2,443.80	2,495.62	2,455.64	39.97	62.431		
4,600.00	4,545.37	4,616.93	4,615.28	21.23	19.86	90.41	834.47	2,440.74	2,493.65	2,452.60	41.05	60.751		
4,700.00	4,644.00	4,719.37	4,717.67	21.70	20.29	90.80	835.09	2,437.68	2,490.85	2,448.91	41.94	59.391		
4,800.00	4,742.63	4,823.74	4,821.98	22.16	20.74	91.18	835.55	2,434.23	2,487.81	2,444.97	42.84	58.072		
4,900.00	4,841.25	4,921.06	4,919.25	22.62	21.15	91.54	836.01	2,431.00	2,484.87	2,441.16	43.71	56.843		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,939.88	5,025.41	5,023.53	23.09	21.59	91.92	836.49	2,427.37	2,481.87	2,437.25	44.62	55.627		
5,100.00	5,038.51	5,121.57	5,119.63	23.55	22.00	92.27	837.16	2,424.00	2,478.96	2,433.48	45.49	54.497		
5,200.00	5,137.14	5,219.19	5,217.19	24.02	22.41	92.63	837.56	2,420.63	2,476.19	2,429.82	46.37	53.406		
5,300.00	5,235.77	5,308.46	5,306.42	24.48	22.79	92.97	837.65	2,417.74	2,473.74	2,426.52	47.21	52.397		
5,400.00	5,334.40	5,388.47	5,386.40	24.94	23.13	93.27	837.73	2,415.63	2,471.97	2,423.95	48.02	51.476		
5,500.00	5,433.03	5,499.85	5,497.75	25.41	23.60	93.70	837.60	2,412.91	2,470.52	2,421.56	48.95	50.467		
5,600.00	5,531.65	5,591.06	5,588.93	25.87	23.99	94.05	837.42	2,410.51	2,468.98	2,419.17	49.81	49.571		
5,700.00	5,630.28	5,667.49	5,665.34	26.34	24.31	94.34	837.53	2,408.92	2,468.12	2,417.51	50.60	48.777		
5,731.78	5,661.63	5,691.27	5,689.12	26.49	24.41	94.43	837.57	2,408.59	2,468.06	2,417.21	50.85	48.536		
5,800.00	5,728.91	5,757.18	5,755.02	26.80	24.69	94.68	837.74	2,407.80	2,468.14	2,416.69	51.45	47.975		
5,900.00	5,827.54	5,862.45	5,860.28	27.27	25.14	95.07	838.18	2,406.42	2,468.23	2,415.87	52.36	47.143		
5,980.06	5,906.51	5,942.79	5,940.60	27.64	25.48	95.37	838.80	2,405.17	2,468.17	2,415.10	53.07	46.509		
6,000.00	5,926.17	5,961.58	5,959.40	27.73	25.56	95.43	839.02	2,404.88	2,468.18	2,414.93	53.24	46.358		
6,100.00	6,024.80	6,049.96	6,047.76	28.20	25.94	95.74	840.42	2,403.72	2,468.44	2,414.36	54.08	45.643		
6,200.00	6,123.43	6,150.31	6,148.07	28.66	26.36	96.07	842.81	2,402.87	2,469.21	2,414.24	54.97	44.918		
6,272.77	6,195.20	6,229.07	6,226.79	29.00	26.70	96.32	845.09	2,401.84	2,469.47	2,413.83	55.64	44.380		
6,300.00	6,222.05	6,253.34	6,251.05	29.13	26.80	81.85	845.83	2,401.53	2,469.01	2,413.14	55.87	44.189		
6,350.00	6,271.23	6,297.78	6,295.47	29.36	26.99	59.39	847.21	2,401.04	2,465.23	2,408.94	56.29	43.795		
6,400.00	6,319.99	6,352.77	6,350.43	29.58	27.22	44.65	848.89	2,400.42	2,457.57	2,400.82	56.74	43.309		
6,450.00	6,368.01	6,407.88	6,405.51	29.79	27.46	35.55	850.41	2,399.64	2,445.95	2,388.76	57.19	42.769		
6,500.00	6,415.02	6,464.89	6,462.49	29.99	27.70	29.78	851.98	2,398.64	2,430.41	2,372.78	57.63	42.171		
6,550.00	6,460.71	6,520.06	6,517.62	30.18	27.94	25.99	853.56	2,397.44	2,411.04	2,352.99	58.06	41.530		
6,600.00	6,504.81	6,552.43	6,549.97	30.36	28.07	23.33	854.52	2,396.83	2,388.23	2,329.86	58.38	40.911		
6,650.00	6,547.04	6,588.92	6,586.44	30.53	28.23	21.53	855.61	2,396.18	2,362.12	2,303.41	58.70	40.239		
6,700.00	6,587.14	6,632.39	6,629.88	30.69	28.41	20.38	856.95	2,395.45	2,332.81	2,273.77	59.04	39.511		
6,750.00	6,624.87	6,676.91	6,674.37	30.83	28.60	19.72	858.42	2,394.59	2,300.34	2,240.96	59.37	38.745		
6,800.00	6,660.00	6,718.02	6,715.45	30.96	28.78	19.47	859.86	2,393.67	2,264.92	2,205.24	59.67	37.955		
6,850.00	6,692.30	6,751.69	6,749.08	31.07	28.92	19.59	861.17	2,392.88	2,226.83	2,166.90	59.93	37.155		
6,900.00	6,721.58	6,783.13	6,780.48	31.23	29.06	20.14	862.50	2,392.10	2,186.32	2,126.15	60.17	36.336		
6,950.00	6,747.66	6,810.87	6,808.19	31.56	29.17	21.19	863.77	2,391.38	2,143.64	2,083.27	60.38	35.504		
7,000.00	6,770.37	6,828.58	6,825.87	31.92	29.25	22.80	864.62	2,390.94	2,099.13	2,038.59	60.54	34.676		
7,050.00	6,789.58	6,845.13	6,842.39	32.33	29.32	25.42	865.45	2,390.55	2,053.03	1,992.36	60.68	33.835		
7,100.00	6,805.17	6,858.42	6,855.66	32.78	29.38	29.68	866.14	2,390.25	2,005.63	1,944.84	60.79	32.991		
7,150.00	6,817.03	6,868.34	6,865.57	33.27	29.42	37.05	866.67	2,390.03	1,957.22	1,896.33	60.89	32.146		
7,200.00	6,825.11	6,874.81	6,872.03	33.80	29.45	51.23	867.02	2,389.89	1,908.07	1,847.12	60.96	31.303		
7,250.00	6,829.35	6,877.75	6,874.97	34.37	29.46	80.06	867.18	2,389.82	1,858.50	1,797.49	61.00	30.465		
7,273.12	6,830.00	6,877.91	6,875.12	34.65	29.46	98.96	867.19	2,389.82	1,835.51	1,774.49	61.02	30.081		
7,300.00	6,830.28	6,877.64	6,874.85	34.98	29.46	98.88	867.17	2,389.83	1,808.78	1,747.75	61.03	29.635		
7,400.00	6,831.31	6,876.64	6,873.86	36.32	29.45	98.59	867.12	2,389.85	1,709.40	1,648.30	61.10	27.977		
7,500.00	6,832.34	6,875.63	6,872.85	37.83	29.45	98.29	867.06	2,389.87	1,610.09	1,548.91	61.18	26.317		
7,600.00	6,833.37	6,874.61	6,871.83	39.49	29.45	97.99	867.01	2,389.89	1,510.87	1,449.59	61.28	24.656		
7,700.00	6,834.40	6,873.58	6,870.80	41.27	29.44	97.69	866.95	2,389.91	1,411.76	1,350.35	61.40	22.992		
7,800.00	6,835.44	6,872.53	6,869.75	43.17	29.44	97.38	866.89	2,389.94	1,312.78	1,251.22	61.56	21.326		
7,900.00	6,836.47	6,871.48	6,868.70	45.17	29.43	97.07	866.84	2,389.96	1,213.97	1,152.21	61.76	19.657		
8,000.00	6,837.50	6,870.41	6,867.63	47.26	29.43	96.75	866.78	2,389.98	1,115.37	1,053.35	62.01	17.986		
8,100.00	6,838.53	6,869.32	6,866.55	49.43	29.42	96.43	866.72	2,390.01	1,017.04	954.69	62.35	16.312		
8,200.00	6,839.56	6,868.23	6,865.46	51.66	29.42	96.11	866.66	2,390.03	919.07	856.27	62.80	14.634		
8,300.00	6,840.59	6,867.12	6,864.35	53.95	29.41	95.78	866.60	2,390.05	821.59	758.16	63.43	12.953		
8,400.00	6,841.62	6,866.00	6,863.23	56.29	29.41	95.45	866.54	2,390.08	724.80	660.48	64.31	11.270		
8,500.00	6,842.65	6,864.87	6,862.10	58.67	29.40	95.12	866.48	2,390.10	629.00	563.39	65.61	9.587		
8,600.00	6,843.68	6,863.72	6,860.95	61.10	29.40	94.78	866.42	2,390.13	534.75	467.17	67.58	7.913		
8,700.00	6,844.71	6,862.56	6,859.79	63.56	29.39	94.43	866.36	2,390.15	443.02	372.34	70.69	6.267		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,845.75	6,861.38	6,858.62	66.05	29.39	94.09	866.30	2,390.18	355.78	280.01	75.76	4.696		
8,900.00	6,846.78	6,860.19	6,857.43	68.58	29.38	93.73	866.23	2,390.21	277.27	193.25	84.03	3.300		
9,000.00	6,847.81	6,858.99	6,856.23	71.12	29.38	93.38	866.17	2,390.23	217.22	121.64	95.57	2.273		
9,098.51	6,848.82	6,857.78	6,855.03	73.65	29.37	93.02	866.11	2,390.26	193.60	90.50	103.10	1.878 CC		
9,100.00	6,848.84	6,857.77	6,855.01	73.69	29.37	93.02	866.10	2,390.26	193.60	90.49	103.11	1.878 ES, SF		
9,200.00	6,849.87	6,856.53	6,853.78	76.28	29.37	92.65	866.04	2,390.29	218.58	121.21	97.37	2.245		
9,300.00	6,850.90	6,855.28	6,852.53	78.89	29.36	92.28	865.97	2,390.32	279.41	192.53	86.88	3.216		
9,400.00	6,851.93	6,854.01	6,851.27	81.51	29.36	91.91	865.91	2,390.35	358.27	279.31	78.97	4.537		
9,500.00	6,852.96	6,852.73	6,849.99	84.15	29.35	91.53	865.84	2,390.38	445.70	371.81	73.88	6.032		
9,600.00	6,853.99	6,851.43	6,848.69	86.80	29.35	91.14	865.77	2,390.41	537.52	466.89	70.63	7.610		
9,700.00	6,855.03	6,850.12	6,847.38	89.46	29.34	90.75	865.71	2,390.44	631.83	563.34	68.49	9.225		
9,800.00	6,856.06	6,848.78	6,846.04	92.14	29.34	90.36	865.64	2,390.47	727.66	660.64	67.02	10.858		
9,900.00	6,857.09	6,847.43	6,844.70	94.83	29.33	89.96	865.57	2,390.50	824.48	758.50	65.98	12.497		
10,000.00	6,858.12	6,846.07	6,843.33	97.52	29.32	89.56	865.50	2,390.53	921.97	856.75	65.22	14.137		
10,100.00	6,859.15	6,844.68	6,841.95	100.23	29.32	89.15	865.43	2,390.56	1,019.95	955.30	64.65	15.777		
10,200.00	6,860.18	6,843.28	6,840.55	102.94	29.31	88.74	865.35	2,390.59	1,118.28	1,054.07	64.22	17.414		
10,300.00	6,861.21	6,841.86	6,839.13	105.66	29.31	88.32	865.28	2,390.63	1,216.89	1,153.01	63.88	19.049		
10,400.00	6,862.24	6,840.41	6,837.69	108.39	29.30	87.89	865.21	2,390.66	1,315.70	1,252.09	63.62	20.681		
10,500.00	6,863.27	6,838.95	6,836.23	111.12	29.29	87.47	865.14	2,390.70	1,414.68	1,351.27	63.41	22.310		
10,600.00	6,864.30	6,837.47	6,834.75	113.86	29.29	87.03	865.06	2,390.73	1,513.79	1,450.55	63.24	23.936		
10,700.00	6,865.34	6,835.97	6,833.25	116.60	29.28	86.59	864.99	2,390.77	1,613.02	1,549.90	63.11	25.558		
10,800.00	6,866.37	6,834.45	6,831.73	119.35	29.27	86.15	864.91	2,390.80	1,712.33	1,649.32	63.01	27.177		
10,900.00	6,867.40	6,832.90	6,830.19	122.11	29.27	85.70	864.83	2,390.84	1,811.71	1,748.79	62.92	28.793		
11,000.00	6,868.43	6,831.34	6,828.62	124.87	29.26	85.24	864.75	2,390.88	1,911.16	1,848.30	62.85	30.406		
11,100.00	6,869.46	6,829.75	6,827.04	127.63	29.25	84.78	864.68	2,390.92	2,010.66	1,947.86	62.80	32.016		
11,200.00	6,870.49	6,828.14	6,825.43	130.40	29.25	84.31	864.60	2,390.95	2,110.21	2,047.45	62.76	33.623		
11,300.00	6,871.52	6,826.51	6,823.80	133.17	29.24	83.84	864.52	2,390.99	2,209.80	2,147.06	62.73	35.226		
11,400.00	6,872.55	6,824.85	6,822.15	135.94	29.23	83.36	864.44	2,391.04	2,309.42	2,246.71	62.71	36.826		
11,500.00	6,873.58	6,823.17	6,820.47	138.72	29.23	82.88	864.35	2,391.08	2,409.07	2,346.37	62.70	38.423		
11,600.00	6,874.62	6,821.46	6,818.76	141.50	29.22	82.39	864.27	2,391.12	2,508.75	2,446.06	62.69	40.017		
11,700.00	6,875.65	6,819.73	6,817.04	144.28	29.21	81.90	864.19	2,391.16	2,608.45	2,545.76	62.69	41.607		
11,800.00	6,876.68	6,817.98	6,815.28	147.07	29.20	81.40	864.10	2,391.20	2,708.18	2,645.48	62.70	43.194		
11,900.00	6,877.71	6,816.19	6,813.50	149.85	29.20	80.89	864.02	2,391.25	2,807.92	2,745.21	62.71	44.778		
12,000.00	6,878.74	6,814.38	6,811.69	152.65	29.19	80.38	863.93	2,391.29	2,907.68	2,844.96	62.72	46.358		
12,100.00	6,879.77	6,812.55	6,809.86	155.44	29.18	79.86	863.85	2,391.34	3,007.45	2,944.71	62.74	47.935		
12,200.00	6,880.80	6,810.68	6,808.00	158.23	29.17	79.34	863.76	2,391.39	3,107.24	3,044.48	62.76	49.509		
12,300.00	6,881.83	6,808.79	6,806.11	161.03	29.17	78.81	863.67	2,391.44	3,207.04	3,144.26	62.79	51.079		
12,400.00	6,882.86	6,806.86	6,804.19	163.83	29.16	78.28	863.58	2,391.49	3,306.85	3,244.04	62.81	52.646		
12,500.00	6,883.89	6,804.91	6,802.23	166.63	29.15	77.73	863.49	2,391.54	3,406.67	3,343.83	62.84	54.209		
12,600.00	6,884.93	6,802.92	6,800.25	169.43	29.14	77.19	863.40	2,391.59	3,506.51	3,443.63	62.88	55.769		
12,700.00	6,885.96	6,800.91	6,798.24	172.24	29.13	76.64	863.30	2,391.64	3,606.35	3,543.43	62.91	57.325		
12,800.00	6,886.99	6,799.22	6,796.56	175.04	29.12	76.18	863.23	2,391.68	3,706.19	3,643.24	62.95	58.875		
12,900.00	6,888.02	6,797.83	6,795.17	177.85	29.12	75.80	863.16	2,391.72	3,806.05	3,743.06	62.99	60.421		
13,000.00	6,889.05	6,796.44	6,793.78	180.66	29.11	75.42	863.10	2,391.75	3,905.91	3,842.87	63.04	61.962		
13,100.00	6,890.08	6,795.07	6,792.41	183.47	29.11	75.05	863.04	2,391.79	4,005.78	3,942.69	63.08	63.499		
13,200.00	6,891.11	6,793.70	6,791.04	186.28	29.10	74.69	862.97	2,391.82	4,105.65	4,042.52	63.13	65.032		
13,300.00	6,892.14	6,792.34	6,789.68	189.10	29.10	74.32	862.91	2,391.86	4,205.53	4,142.35	63.18	66.561		
13,400.00	6,893.17	6,790.99	6,788.33	191.91	29.09	73.96	862.85	2,391.89	4,305.42	4,242.18	63.24	68.086		
13,500.00	6,894.21	6,789.65	6,786.99	194.73	29.08	73.61	862.79	2,391.93	4,405.31	4,342.02	63.29	69.606		
13,600.00	6,895.24	6,788.31	6,785.66	197.54	29.08	73.26	862.73	2,391.96	4,505.20	4,441.85	63.34	71.122		
13,700.00	6,896.27	6,786.98	6,784.33	200.36	29.07	72.91	862.67	2,392.00	4,605.10	4,541.70	63.40	72.634		
13,800.00	6,897.30	6,785.66	6,783.02	203.18	29.07	72.56	862.61	2,392.03	4,705.00	4,641.54	63.46	74.141		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,898.33	6,784.35	6,781.71	206.00	29.06	72.22	862.56	2,392.06	4,804.90	4,741.39	63.52	75.644		
14,000.00	6,899.36	6,783.05	6,780.40	208.82	29.06	71.88	862.50	2,392.10	4,904.81	4,841.23	63.58	77.143		
14,100.00	6,900.39	6,781.75	6,779.11	211.64	29.05	71.55	862.44	2,392.13	5,004.73	4,941.08	63.64	78.636		
14,200.00	6,901.42	6,780.47	6,777.82	214.46	29.04	71.22	862.39	2,392.16	5,104.64	5,040.93	63.71	80.126		
14,300.00	6,902.45	6,779.19	6,776.55	217.28	29.04	70.89	862.33	2,392.20	5,204.56	5,140.79	63.77	81.610		
14,400.00	6,903.48	6,777.91	6,775.28	220.11	29.03	70.57	862.27	2,392.23	5,304.48	5,240.64	63.84	83.091		
14,500.00	6,904.52	6,776.65	6,774.01	222.93	29.03	70.25	862.22	2,392.26	5,404.40	5,340.50	63.91	84.566		
14,600.00	6,905.55	6,775.39	6,772.76	225.76	29.02	69.93	862.17	2,392.29	5,504.33	5,440.35	63.98	86.037		
14,700.00	6,906.58	6,774.14	6,771.51	228.58	29.02	69.61	862.11	2,392.32	5,604.26	5,540.21	64.05	87.503		
14,800.00	6,907.61	6,772.90	6,770.27	231.41	29.01	69.30	862.06	2,392.35	5,704.19	5,640.07	64.12	88.964		
14,900.00	6,908.64	6,771.66	6,769.03	234.24	29.01	68.99	862.01	2,392.38	5,804.12	5,739.93	64.19	90.420		
15,000.00	6,909.67	6,770.43	6,767.80	237.06	29.00	68.69	861.95	2,392.41	5,904.06	5,839.79	64.26	91.872		
15,100.00	6,910.70	6,769.21	6,766.58	239.89	29.00	68.39	861.90	2,392.45	6,003.99	5,939.65	64.34	93.318		
15,200.00	6,911.73	6,768.00	6,765.37	242.72	28.99	68.09	861.85	2,392.48	6,103.93	6,039.52	64.41	94.760		
15,300.00	6,912.76	6,766.79	6,764.16	245.55	28.99	67.80	861.80	2,392.51	6,203.87	6,139.38	64.49	96.197		
15,400.00	6,913.80	6,765.59	6,762.97	248.38	28.98	67.50	861.75	2,392.54	6,303.81	6,239.24	64.57	97.629		
15,500.00	6,914.83	6,764.40	6,761.77	251.21	28.98	67.21	861.70	2,392.56	6,403.76	6,339.11	64.65	99.056		
15,600.00	6,915.86	6,763.21	6,760.59	254.04	28.97	66.93	861.65	2,392.59	6,503.70	6,438.97	64.73	100.478		
15,700.00	6,916.89	6,762.03	6,759.41	256.88	28.97	66.64	861.60	2,392.62	6,603.65	6,538.84	64.81	101.894		
15,800.00	6,917.92	6,760.85	6,758.24	259.71	28.96	66.36	861.55	2,392.65	6,703.59	6,638.70	64.89	103.306		
15,900.00	6,918.95	6,759.69	6,757.07	262.54	28.96	66.09	861.50	2,392.68	6,803.54	6,738.57	64.97	104.713		
16,000.00	6,919.98	6,758.53	6,755.91	265.37	28.95	65.81	861.45	2,392.71	6,903.49	6,838.44	65.06	106.114		
16,100.00	6,921.01	6,757.37	6,754.76	268.21	28.95	65.54	861.40	2,392.74	7,003.44	6,938.30	65.14	107.511		
16,200.00	6,922.04	6,756.23	6,753.61	271.04	28.94	65.27	861.36	2,392.77	7,103.40	7,038.17	65.23	108.902		
16,300.00	6,923.08	6,755.09	6,752.48	273.88	28.94	65.01	861.31	2,392.79	7,203.35	7,138.04	65.31	110.288		
16,400.00	6,924.11	6,753.95	6,751.34	276.71	28.93	64.74	861.26	2,392.82	7,303.30	7,237.90	65.40	111.669		
16,500.00	6,925.14	6,752.82	6,750.22	279.55	28.93	64.48	861.22	2,392.85	7,403.26	7,337.77	65.49	113.045		
16,600.00	6,926.17	6,751.70	6,749.10	282.38	28.92	64.22	861.17	2,392.88	7,503.22	7,437.64	65.58	114.416		
16,700.00	6,927.20	6,750.59	6,747.98	285.22	28.92	63.97	861.13	2,392.90	7,603.17	7,537.50	65.67	115.781		
16,800.00	6,928.23	6,749.48	6,746.87	288.05	28.91	63.71	861.08	2,392.93	7,703.13	7,637.37	65.76	117.141		
16,900.00	6,929.26	6,748.37	6,745.77	290.89	28.91	63.46	861.04	2,392.96	7,803.09	7,737.24	65.85	118.496		
17,000.00	6,930.29	6,747.28	6,744.67	293.73	28.90	63.22	860.99	2,392.98	7,903.05	7,837.11	65.94	119.845		
17,100.00	6,931.32	6,746.19	6,743.58	296.56	28.90	62.97	860.95	2,393.01	8,003.01	7,936.97	66.04	121.189		
17,200.00	6,932.35	6,745.10	6,742.50	299.40	28.89	62.73	860.91	2,393.04	8,102.97	8,036.84	66.13	122.528		
17,300.00	6,933.39	6,744.02	6,741.42	302.24	28.89	62.49	860.86	2,393.06	8,202.94	8,136.71	66.23	123.862		
17,400.00	6,934.42	6,742.95	6,740.35	305.08	28.88	62.25	860.82	2,393.09	8,302.90	8,236.58	66.32	125.190		
17,500.00	6,935.45	6,741.88	6,739.28	307.92	28.88	62.02	860.78	2,393.11	8,402.86	8,336.44	66.42	126.513		
17,553.57	6,936.00	6,741.31	6,738.71	309.44	28.88	61.89	860.76	2,393.13	8,456.42	8,389.94	66.47	127.220		
17,553.96	6,936.00	6,741.31	6,738.71	309.45	28.88	61.89	860.76	2,393.13	8,456.80	8,390.33	66.47	127.225		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	95.23	-818.41	8,943.87	8,981.28					
100.00	100.00	72.00	72.00	3.28	3.51	95.23	-818.41	8,943.87	8,981.24	8,974.44	6.80	1,321.306		
200.00	200.00	172.00	172.00	3.34	5.38	95.23	-818.41	8,943.87	8,981.24	8,972.53	8.71	1,030.823		
300.00	300.00	272.00	272.00	3.44	8.42	95.23	-818.41	8,943.87	8,981.24	8,969.38	11.86	757.243		
400.00	399.98	371.98	371.98	3.60	11.71	99.19	-818.41	8,943.87	8,981.52	8,966.21	15.31	586.564		
500.00	499.84	471.84	471.84	3.81	15.09	99.21	-818.41	8,943.87	8,982.36	8,963.47	18.89	475.453		
600.00	599.45	571.45	571.45	4.06	18.50	99.24	-818.41	8,943.87	8,983.76	8,961.22	22.54	398.528		
700.00	698.70	670.70	670.70	4.34	21.92	99.27	-818.41	8,943.87	8,985.74	8,959.50	26.24	342.507		
775.00	772.83	744.83	744.83	4.57	24.48	99.31	-818.41	8,943.87	8,987.60	8,958.58	29.02	309.677		
800.00	797.48	769.48	769.48	4.65	25.33	99.33	-818.41	8,943.87	8,988.28	8,958.32	29.95	300.065		
900.00	896.11	868.11	868.11	4.97	28.75	99.44	-818.41	8,943.87	8,991.00	8,957.30	33.70	266.775		
1,000.00	994.74	966.74	966.74	5.31	32.17	99.54	-818.41	8,943.87	8,993.76	8,956.28	37.48	239.982		
1,100.00	1,093.37	1,065.37	1,065.37	5.68	35.60	99.64	-818.41	8,943.87	8,996.55	8,955.28	41.27	217.983		
1,200.00	1,192.00	1,164.00	1,164.00	6.06	39.03	99.74	-818.41	8,943.87	8,999.36	8,954.28	45.08	199.616		
1,300.00	1,290.63	1,262.63	1,262.63	6.45	42.46	99.85	-818.41	8,943.87	9,002.21	8,953.30	48.91	184.062		
1,400.00	1,389.26	1,361.26	1,361.26	6.86	45.89	99.95	-818.41	8,943.87	9,005.08	8,952.34	52.74	170.729		
1,500.00	1,487.88	1,459.88	1,459.88	7.27	49.33	100.05	-818.41	8,943.87	9,007.99	8,951.40	56.59	159.179		
1,600.00	1,586.51	1,558.51	1,558.51	7.69	52.76	100.15	-818.41	8,943.87	9,010.92	8,950.48	60.44	149.081		
1,700.00	1,685.14	1,657.14	1,657.14	8.11	56.20	100.25	-818.41	8,943.87	9,013.88	8,949.58	64.30	140.179		
1,800.00	1,783.77	1,755.77	1,755.77	8.54	59.64	100.36	-818.41	8,943.87	9,016.88	8,948.71	68.17	132.275		
1,900.00	1,882.40	1,854.40	1,854.40	8.97	63.08	100.46	-818.41	8,943.87	9,019.90	8,947.86	72.04	125.212		
2,000.00	1,981.03	1,953.03	1,953.03	9.41	66.52	100.56	-818.41	8,943.87	9,022.95	8,947.04	75.91	118.863		
2,100.00	2,079.66	2,051.66	2,051.66	9.84	69.95	100.66	-818.41	8,943.87	9,026.03	8,946.24	79.79	113.126		
2,200.00	2,178.28	2,150.28	2,150.28	10.29	73.39	100.76	-818.41	8,943.87	9,029.14	8,945.47	83.67	107.917		
2,300.00	2,276.91	2,248.91	2,248.91	10.73	76.83	100.86	-818.41	8,943.87	9,032.27	8,944.72	87.55	103.167		
2,400.00	2,375.54	2,347.54	2,347.54	11.18	80.27	100.96	-818.41	8,943.87	9,035.44	8,944.01	91.43	98.818		
2,500.00	2,474.17	2,446.17	2,446.17	11.62	83.71	101.07	-818.41	8,943.87	9,038.64	8,943.32	95.32	94.822		
2,600.00	2,572.80	2,544.80	2,544.80	12.07	87.16	101.17	-818.41	8,943.87	9,041.86	8,942.65	99.21	91.138		
2,700.00	2,671.43	2,643.43	2,643.43	12.52	90.60	101.27	-818.41	8,943.87	9,045.12	8,942.02	103.10	87.731		
2,800.00	2,770.05	2,742.05	2,742.05	12.97	94.04	101.37	-818.41	8,943.87	9,048.40	8,941.41	106.99	84.570		
2,900.00	2,868.68	2,840.68	2,840.68	13.43	97.48	101.47	-818.41	8,943.87	9,051.71	8,940.82	110.89	81.631		
3,000.00	2,967.31	2,939.31	2,939.31	13.88	100.92	101.57	-818.41	8,943.87	9,055.05	8,940.27	114.78	78.891		
3,100.00	3,065.94	3,037.94	3,037.94	14.34	104.36	101.67	-818.41	8,943.87	9,058.42	8,939.75	118.67	76.330		
3,200.00	3,164.57	3,136.57	3,136.57	14.79	107.80	101.77	-818.41	8,943.87	9,061.82	8,939.25	122.57	73.931		
3,300.00	3,263.20	3,235.20	3,235.20	15.25	111.24	101.87	-818.41	8,943.87	9,065.25	8,938.78	126.47	71.680		
3,400.00	3,361.83	3,333.83	3,333.83	15.71	114.69	101.98	-818.41	8,943.87	9,068.70	8,938.34	130.37	69.563		
3,500.00	3,460.45	3,432.45	3,432.45	16.17	118.13	102.08	-818.41	8,943.87	9,072.19	8,937.92	134.26	67.570		
3,600.00	3,559.08	3,531.08	3,531.08	16.62	121.57	102.18	-818.41	8,943.87	9,075.70	8,937.54	138.16	65.688		
3,700.00	3,657.71	3,629.71	3,629.71	17.08	125.01	102.28	-818.41	8,943.87	9,079.24	8,937.18	142.06	63.910		
3,800.00	3,756.34	3,728.34	3,728.34	17.54	128.45	102.38	-818.41	8,943.87	9,082.81	8,936.85	145.96	62.227		
3,900.00	3,854.97	3,826.97	3,826.97	18.00	131.90	102.48	-818.41	8,943.87	9,086.41	8,936.55	149.86	60.631		
4,000.00	3,953.60	3,925.60	3,925.60	18.46	135.34	102.58	-818.41	8,943.87	9,090.04	8,936.27	153.77	59.116		
4,100.00	4,052.23	4,024.23	4,024.23	18.92	138.78	102.68	-818.41	8,943.87	9,093.69	8,936.03	157.67	57.676		
4,200.00	4,150.85	4,122.85	4,122.85	19.39	142.22	102.78	-818.41	8,943.87	9,097.38	8,935.81	161.57	56.306		
4,300.00	4,249.48	4,221.48	4,221.48	19.85	145.66	102.88	-818.41	8,943.87	9,101.09	8,935.62	165.47	55.001		
4,400.00	4,348.11	4,320.11	4,320.11	20.31	149.11	102.98	-818.41	8,943.87	9,104.83	8,935.46	169.37	53.756		
4,500.00	4,446.74	4,418.74	4,418.74	20.77	152.55	103.08	-818.41	8,943.87	9,108.60	8,935.32	173.28	52.566		
4,600.00	4,545.37	4,517.37	4,517.37	21.23	155.99	103.18	-818.41	8,943.87	9,112.40	8,935.22	177.18	51.430		
4,700.00	4,644.00	4,616.00	4,616.00	21.70	159.43	103.28	-818.41	8,943.87	9,116.23	8,935.14	181.08	50.342		
4,800.00	4,742.63	4,714.63	4,714.63	22.16	162.88	103.38	-818.41	8,943.87	9,120.08	8,935.09	184.99	49.301		
4,900.00	4,841.25	4,813.25	4,813.25	22.62	166.32	103.48	-818.41	8,943.87	9,123.96	8,935.07	188.89	48.302		
5,000.00	4,939.88	4,911.88	4,911.88	23.09	169.76	103.58	-818.41	8,943.87	9,127.87	8,935.08	192.80	47.344		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,010.51	5,010.51	23.55	173.20	103.68	-818.41	8,943.87	9,131.81	8,935.11	196.70	46.425		
5,200.00	5,137.14	5,109.14	5,109.14	24.02	176.65	103.77	-818.41	8,943.87	9,135.78	8,935.17	200.61	45.541		
5,300.00	5,235.77	5,207.77	5,207.77	24.48	180.09	103.87	-818.41	8,943.87	9,139.78	8,935.26	204.51	44.691		
5,400.00	5,334.40	5,306.40	5,306.40	24.94	183.53	103.97	-818.41	8,943.87	9,143.80	8,935.38	208.42	43.873		
5,500.00	5,433.03	5,405.03	5,405.03	25.41	186.97	104.07	-818.41	8,943.87	9,147.85	8,935.53	212.32	43.085		
5,600.00	5,531.65	5,503.65	5,503.65	25.87	190.42	104.17	-818.41	8,943.87	9,151.93	8,935.70	216.23	42.326		
5,700.00	5,630.28	5,602.28	5,602.28	26.34	193.86	104.27	-818.41	8,943.87	9,156.04	8,935.90	220.13	41.593		
5,800.00	5,728.91	5,700.91	5,700.91	26.80	197.30	104.37	-818.41	8,943.87	9,160.17	8,936.13	224.04	40.887		
5,900.00	5,827.54	5,800.46	5,799.54	27.27	200.78	104.47	-818.41	8,943.87	9,164.34	8,936.36	227.98	40.199		
6,000.00	5,926.17	5,901.83	5,898.17	27.73	204.31	104.57	-818.41	8,943.87	9,168.53	8,936.55	231.98	39.523		
6,100.00	6,024.80	6,003.20	5,996.80	28.20	207.85	104.66	-818.41	8,943.87	9,172.75	8,936.77	235.98	38.871		
6,200.00	6,123.43	6,104.57	6,095.43	28.66	211.39	104.76	-818.41	8,943.87	9,176.99	8,937.01	239.98	38.240		
6,272.77	6,195.20	6,167.20	6,167.20	29.00	213.58	104.83	-818.41	8,943.87	9,180.10	8,937.59	242.50	37.855		
6,300.00	6,222.05	6,205.95	6,194.05	29.13	214.93	90.31	-818.41	8,943.87	9,180.69	8,936.71	243.98	37.628		
6,350.00	6,271.23	6,243.23	6,243.23	29.36	216.23	67.77	-818.41	8,943.87	9,178.82	8,933.31	245.51	37.386		
6,400.00	6,319.99	6,308.01	6,291.99	29.58	218.49	52.98	-818.41	8,943.87	9,173.11	8,925.12	247.99	36.989		
6,450.00	6,368.01	6,340.01	6,340.01	29.79	219.61	43.85	-818.41	8,943.87	9,163.61	8,914.29	249.32	36.754		
6,500.00	6,415.02	6,387.02	6,387.02	29.99	221.25	38.10	-818.41	8,943.87	9,150.38	8,899.21	251.17	36.431		
6,550.00	6,460.71	6,432.71	6,432.71	30.18	222.85	34.36	-818.41	8,943.87	9,133.50	8,880.54	252.96	36.107		
6,600.00	6,504.81	6,476.81	6,476.81	30.36	224.38	31.91	-818.41	8,943.87	9,113.08	8,858.40	254.68	35.782		
6,650.00	6,547.04	6,519.04	6,519.04	30.53	225.86	30.35	-818.41	8,943.87	9,089.24	8,832.91	256.33	35.460		
6,700.00	6,587.14	6,559.14	6,559.14	30.69	227.26	29.46	-818.41	8,943.87	9,062.13	8,804.24	257.89	35.140		
6,750.00	6,624.87	6,603.13	6,596.87	30.83	228.79	29.12	-818.41	8,943.87	9,031.92	8,772.35	259.58	34.795		
6,800.00	6,660.00	6,632.00	6,632.00	30.96	229.80	29.28	-818.41	8,943.87	8,998.81	8,738.08	260.72	34.515		
6,850.00	6,692.30	6,664.30	6,664.30	31.07	230.93	29.93	-818.41	8,943.87	8,962.98	8,701.00	261.98	34.212		
6,900.00	6,721.58	6,706.42	6,693.58	31.23	232.40	31.11	-818.41	8,943.87	8,924.68	8,661.10	263.57	33.860		
6,950.00	6,747.66	6,719.66	6,719.66	31.56	232.86	32.94	-818.41	8,943.87	8,884.12	8,619.97	264.15	33.633		
7,000.00	6,770.37	6,742.37	6,742.37	31.92	233.65	35.57	-818.41	8,943.87	8,841.56	8,576.52	265.04	33.359		
7,050.00	6,789.58	6,761.58	6,761.58	32.33	234.32	39.31	-818.41	8,943.87	8,797.27	8,531.46	265.81	33.096		
7,100.00	6,805.17	6,777.17	6,777.17	32.78	234.87	44.63	-818.41	8,943.87	8,751.51	8,485.07	266.44	32.846		
7,150.00	6,817.03	6,789.03	6,789.03	33.27	235.28	52.28	-818.41	8,943.87	8,704.57	8,437.63	266.94	32.609		
7,200.00	6,825.11	6,802.89	6,797.11	33.80	235.77	63.34	-818.41	8,943.87	8,656.74	8,389.24	267.50	32.362		
7,250.00	6,829.35	6,801.35	6,801.35	34.37	235.71	78.81	-818.41	8,943.87	8,608.30	8,340.78	267.52	32.178		
7,273.12	6,830.00	6,802.00	6,802.00	34.65	235.74	87.41	-818.41	8,943.87	8,585.78	8,318.20	267.57	32.087		
7,300.00	6,830.28	6,802.28	6,802.28	34.98	235.75	87.41	-818.41	8,943.87	8,559.57	8,291.95	267.62	31.984		
7,400.00	6,831.31	6,803.31	6,803.31	36.32	235.78	87.44	-818.41	8,943.87	8,462.11	8,194.30	267.81	31.598		
7,500.00	6,832.34	6,804.34	6,804.34	37.83	235.82	87.48	-818.41	8,943.87	8,364.72	8,096.70	268.01	31.210		
7,600.00	6,833.37	6,805.37	6,805.37	39.49	235.85	87.51	-818.41	8,943.87	8,267.38	7,999.14	268.24	30.821		
7,700.00	6,834.40	6,806.40	6,806.40	41.27	235.89	87.54	-818.41	8,943.87	8,170.11	7,901.63	268.48	30.431		
7,800.00	6,835.44	6,807.44	6,807.44	43.17	235.93	87.57	-818.41	8,943.87	8,072.90	7,804.15	268.75	30.039		
7,900.00	6,836.47	6,808.47	6,808.47	45.17	235.96	87.60	-818.41	8,943.87	7,975.76	7,706.73	269.03	29.646		
8,000.00	6,837.50	6,809.50	6,809.50	47.26	236.00	87.63	-818.41	8,943.87	7,878.70	7,609.36	269.34	29.251		
8,100.00	6,838.53	6,810.53	6,810.53	49.43	236.03	87.66	-818.41	8,943.87	7,781.71	7,512.03	269.68	28.856		
8,200.00	6,839.56	6,811.56	6,811.56	51.66	236.07	87.69	-818.41	8,943.87	7,684.80	7,414.76	270.04	28.458		
8,300.00	6,840.59	6,812.59	6,812.59	53.95	236.11	87.72	-818.41	8,943.87	7,587.96	7,317.54	270.42	28.060		
8,400.00	6,841.62	6,813.62	6,813.62	56.29	236.14	87.75	-818.41	8,943.87	7,491.21	7,220.38	270.84	27.660		
8,500.00	6,842.65	6,814.65	6,814.65	58.67	236.18	87.79	-818.41	8,943.87	7,394.55	7,123.27	271.28	27.258		
8,600.00	6,843.68	6,815.68	6,815.68	61.10	236.21	87.82	-818.41	8,943.87	7,297.97	7,026.23	271.75	26.856		
8,700.00	6,844.71	6,816.71	6,816.71	63.56	236.25	87.85	-818.41	8,943.87	7,201.49	6,929.24	272.25	26.452		
8,800.00	6,845.75	6,817.75	6,817.75	66.05	236.29	87.88	-818.41	8,943.87	7,105.11	6,832.33	272.78	26.047		
8,900.00	6,846.78	6,818.78	6,818.78	68.58	236.32	87.91	-818.41	8,943.87	7,008.82	6,735.48	273.34	25.641		
9,000.00	6,847.81	6,819.81	6,819.81	71.12	236.36	87.94	-818.41	8,943.87	6,912.64	6,638.70	273.94	25.234		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,100.00	6,848.84	6,820.84	6,820.84	73.69	236.39	87.97	-818.41	8,943.87	6,816.58	6,542.00	274.58	24.826		
9,200.00	6,849.87	6,821.87	6,821.87	76.28	236.43	88.00	-818.41	8,943.87	6,720.62	6,445.38	275.25	24.417		
9,300.00	6,850.90	6,822.90	6,822.90	78.89	236.47	88.03	-818.41	8,943.87	6,624.79	6,348.84	275.95	24.007		
9,400.00	6,851.93	6,823.93	6,823.93	81.51	236.50	88.06	-818.41	8,943.87	6,529.08	6,252.38	276.70	23.596		
9,500.00	6,852.96	6,824.96	6,824.96	84.15	236.54	88.09	-818.41	8,943.87	6,433.50	6,156.01	277.49	23.185		
9,600.00	6,853.99	6,825.99	6,825.99	86.80	236.57	88.13	-818.41	8,943.87	6,338.06	6,059.74	278.32	22.772		
9,700.00	6,855.03	6,827.03	6,827.03	89.46	236.61	88.16	-818.41	8,943.87	6,242.76	5,963.56	279.20	22.360		
9,800.00	6,856.06	6,828.06	6,828.06	92.14	236.65	88.19	-818.41	8,943.87	6,147.61	5,867.49	280.12	21.947		
9,900.00	6,857.09	6,829.09	6,829.09	94.83	236.68	88.22	-818.41	8,943.87	6,052.62	5,771.53	281.08	21.533		
10,000.00	6,858.12	6,830.12	6,830.12	97.52	236.72	88.25	-818.41	8,943.87	5,957.78	5,675.69	282.10	21.120		
10,100.00	6,859.15	6,831.15	6,831.15	100.23	236.75	88.28	-818.41	8,943.87	5,863.13	5,579.96	283.16	20.706		
10,200.00	6,860.18	6,832.18	6,832.18	102.94	236.79	88.31	-818.41	8,943.87	5,768.65	5,484.36	284.28	20.292		
10,300.00	6,861.21	6,833.21	6,833.21	105.66	236.83	88.34	-818.41	8,943.87	5,674.36	5,388.90	285.45	19.878		
10,400.00	6,862.24	6,834.24	6,834.24	108.39	236.86	88.37	-818.41	8,943.87	5,580.26	5,293.58	286.68	19.465		
10,500.00	6,863.27	6,835.27	6,835.27	111.12	236.90	88.40	-818.41	8,943.87	5,486.38	5,198.41	287.97	19.052		
10,600.00	6,864.30	6,836.30	6,836.30	113.86	236.93	88.44	-818.41	8,943.87	5,392.72	5,103.40	289.32	18.639		
10,700.00	6,865.34	6,837.34	6,837.34	116.60	236.97	88.47	-818.41	8,943.87	5,299.29	5,008.55	290.73	18.227		
10,800.00	6,866.37	6,838.37	6,838.37	119.35	237.01	88.50	-818.41	8,943.87	5,206.10	4,913.89	292.21	17.816		
10,900.00	6,867.40	6,839.40	6,839.40	122.11	237.04	88.53	-818.41	8,943.87	5,113.17	4,819.41	293.76	17.406		
11,000.00	6,868.43	6,840.43	6,840.43	124.87	237.08	88.56	-818.41	8,943.87	5,020.51	4,725.13	295.38	16.997		
11,100.00	6,869.46	6,841.46	6,841.46	127.63	237.11	88.59	-818.41	8,943.87	4,928.14	4,631.06	297.08	16.589		
11,200.00	6,870.49	6,842.49	6,842.49	130.40	237.15	88.62	-818.41	8,943.87	4,836.07	4,537.22	298.85	16.182		
11,300.00	6,871.52	6,843.52	6,843.52	133.17	237.19	88.65	-818.41	8,943.87	4,744.32	4,443.62	300.70	15.777		
11,400.00	6,872.55	6,844.55	6,844.55	135.94	237.22	88.68	-818.41	8,943.87	4,652.91	4,350.27	302.64	15.374		
11,500.00	6,873.58	6,845.58	6,845.58	138.72	237.26	88.71	-818.41	8,943.87	4,561.86	4,257.19	304.67	14.973		
11,600.00	6,874.62	6,846.62	6,846.62	141.50	237.29	88.75	-818.41	8,943.87	4,471.20	4,164.41	306.79	14.574		
11,700.00	6,875.65	6,847.65	6,847.65	144.28	237.33	88.78	-818.41	8,943.87	4,380.94	4,071.93	309.01	14.177		
11,800.00	6,876.68	6,848.68	6,848.68	147.07	237.36	88.81	-818.41	8,943.87	4,291.11	3,979.78	311.33	13.783		
11,900.00	6,877.71	6,849.71	6,849.71	149.85	237.40	88.84	-818.41	8,943.87	4,201.74	3,887.98	313.76	13.392		
12,000.00	6,878.74	6,850.74	6,850.74	152.65	237.44	88.87	-818.41	8,943.87	4,112.86	3,796.56	316.30	13.003		
12,100.00	6,879.77	6,851.77	6,851.77	155.44	237.47	88.90	-818.41	8,943.87	4,024.50	3,705.55	318.96	12.618		
12,200.00	6,880.80	6,852.80	6,852.80	158.23	237.51	88.93	-818.41	8,943.87	3,936.70	3,614.97	321.73	12.236		
12,300.00	6,881.83	6,853.83	6,853.83	161.03	237.54	88.96	-818.41	8,943.87	3,849.50	3,524.85	324.64	11.858		
12,400.00	6,882.86	6,854.86	6,854.86	163.83	237.58	88.99	-818.41	8,943.87	3,762.93	3,435.24	327.68	11.483		
12,500.00	6,883.89	6,855.89	6,855.89	166.63	237.62	89.02	-818.41	8,943.87	3,677.04	3,346.17	330.87	11.113		
12,600.00	6,884.93	6,856.93	6,856.93	169.43	237.65	89.06	-818.41	8,943.87	3,591.88	3,257.68	334.20	10.748		
12,700.00	6,885.96	6,857.96	6,857.96	172.24	237.69	89.09	-818.41	8,943.87	3,507.50	3,169.82	337.68	10.387		
12,800.00	6,886.99	6,858.99	6,858.99	175.04	237.72	89.12	-818.41	8,943.87	3,423.97	3,082.64	341.33	10.031		
12,900.00	6,888.02	6,860.02	6,860.02	177.85	237.76	89.15	-818.41	8,943.87	3,341.34	2,996.20	345.14	9.681		
13,000.00	6,889.05	6,861.05	6,861.05	180.66	237.80	89.18	-818.41	8,943.87	3,259.68	2,910.56	349.12	9.337		
13,100.00	6,890.08	6,862.08	6,862.08	183.47	237.83	89.21	-818.41	8,943.87	3,179.07	2,825.78	353.29	8.998		
13,200.00	6,891.11	6,863.11	6,863.11	186.28	237.87	89.24	-818.41	8,943.87	3,099.59	2,741.95	357.65	8.667		
13,300.00	6,892.14	6,864.14	6,864.14	189.10	237.90	89.27	-818.41	8,943.87	3,021.33	2,659.14	362.19	8.342		
13,400.00	6,893.17	6,865.17	6,865.17	191.91	237.94	89.30	-818.41	8,943.87	2,944.39	2,577.45	366.94	8.024		
13,500.00	6,894.21	6,866.21	6,866.21	194.73	237.98	89.33	-818.41	8,943.87	2,868.87	2,496.98	371.88	7.714		
13,600.00	6,895.24	6,867.24	6,867.24	197.54	238.01	89.37	-818.41	8,943.87	2,794.88	2,417.85	377.04	7.413		
13,700.00	6,896.27	6,868.27	6,868.27	200.36	238.05	89.40	-818.41	8,943.87	2,722.56	2,340.17	382.39	7.120		
13,800.00	6,897.30	6,869.30	6,869.30	203.18	238.08	89.43	-818.41	8,943.87	2,652.04	2,264.08	387.95	6.836		
13,900.00	6,898.33	6,870.33	6,870.33	206.00	238.12	89.46	-818.41	8,943.87	2,583.46	2,189.74	393.72	6.562		
14,000.00	6,899.36	6,871.36	6,871.36	208.82	238.16	89.49	-818.41	8,943.87	2,516.99	2,117.31	399.67	6.298		
14,100.00	6,900.39	6,872.39	6,872.39	211.64	238.19	89.52	-818.41	8,943.87	2,452.79	2,046.98	405.81	6.044		
14,200.00	6,901.42	6,873.42	6,873.42	214.46	238.23	89.55	-818.41	8,943.87	2,391.05	1,978.95	412.11	5.802		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
14,300.00	6,902.45	6,874.45	6,874.45	217.28	238.26	89.58	-818.41	8,943.87	2,331.97	1,913.42	418.55	5.572		
14,400.00	6,903.48	6,875.48	6,875.48	220.11	238.30	89.61	-818.41	8,943.87	2,275.75	1,850.65	425.10	5.353		
14,500.00	6,904.52	6,876.52	6,876.52	222.93	238.34	89.64	-818.41	8,943.87	2,222.61	1,790.87	431.73	5.148		
14,600.00	6,905.55	6,877.55	6,877.55	225.76	238.37	89.68	-818.41	8,943.87	2,172.77	1,734.37	438.40	4.956		
14,700.00	6,906.58	6,878.58	6,878.58	228.58	238.41	89.71	-818.41	8,943.87	2,126.47	1,681.42	445.05	4.778		
14,800.00	6,907.61	6,879.61	6,879.61	231.41	238.44	89.74	-818.41	8,943.87	2,083.94	1,632.32	451.62	4.614		
14,900.00	6,908.64	6,880.64	6,880.64	234.24	238.48	89.77	-818.41	8,943.87	2,045.42	1,587.37	458.05	4.465		
15,000.00	6,909.67	6,881.67	6,881.67	237.06	238.52	89.80	-818.41	8,943.87	2,011.14	1,546.88	464.27	4.332		
15,100.00	6,910.70	6,882.70	6,882.70	239.89	238.55	89.83	-818.41	8,943.87	1,981.32	1,511.13	470.19	4.214		
15,200.00	6,911.73	6,883.73	6,883.73	242.72	238.59	89.86	-818.41	8,943.87	1,956.16	1,480.42	475.73	4.112		
15,300.00	6,912.76	6,884.76	6,884.76	245.55	238.62	89.89	-818.41	8,943.87	1,935.84	1,455.01	480.83	4.026		
15,400.00	6,913.80	6,885.80	6,885.80	248.38	238.66	89.92	-818.41	8,943.87	1,920.53	1,435.11	485.41	3.956		
15,500.00	6,914.83	6,886.83	6,886.83	251.21	238.70	89.95	-818.41	8,943.87	1,910.33	1,420.92	489.41	3.903		
15,600.00	6,915.86	6,887.86	6,887.86	254.04	238.73	89.99	-818.41	8,943.87	1,905.33	1,412.57	492.76	3.867		
15,645.39	6,916.33	6,888.33	6,888.33	255.33	238.75	90.00	-818.41	8,943.87	1,904.79	1,410.73	494.06	3.855 CC		
15,700.00	6,916.89	6,888.89	6,888.89	256.88	238.77	90.02	-818.41	8,943.87	1,905.57	1,410.13	495.44	3.846 ES		
15,800.00	6,917.92	6,889.92	6,889.92	259.71	238.80	90.05	-818.41	8,943.87	1,911.05	1,413.63	497.42	3.842 SF		
15,900.00	6,918.95	6,890.95	6,890.95	262.54	239.47	90.08	-818.41	8,943.87	1,921.73	1,422.40	499.33	3.849		
16,000.00	6,919.98	6,891.98	6,891.98	265.37	239.44	90.11	-818.41	8,943.87	1,937.51	1,437.66	499.85	3.876		
16,100.00	6,921.01	6,892.99	6,893.01	268.21	239.40	90.14	-818.41	8,943.87	1,958.28	1,458.58	499.70	3.919		
16,200.00	6,922.04	6,893.96	6,894.04	271.04	239.36	90.17	-818.41	8,943.87	1,983.88	1,484.94	498.94	3.976		
16,300.00	6,923.08	6,894.93	6,895.08	273.88	239.33	90.20	-818.41	8,943.87	2,014.12	1,516.51	497.62	4.048		
16,400.00	6,924.11	6,895.93	6,896.11	276.71	239.29	90.23	-818.41	8,943.87	2,048.80	1,553.02	495.78	4.132		
16,500.00	6,925.14	6,896.96	6,897.14	279.55	239.26	90.27	-818.41	8,943.87	2,087.70	1,594.20	493.51	4.230		
16,600.00	6,926.17	6,897.99	6,898.17	282.38	239.22	90.30	-818.41	8,943.87	2,130.59	1,639.74	490.85	4.341		
16,700.00	6,927.20	6,899.02	6,899.20	285.22	239.18	90.33	-818.41	8,943.87	2,177.22	1,689.34	487.88	4.463		
16,800.00	6,928.23	6,900.05	6,900.23	288.05	239.16	90.36	-818.41	8,943.87	2,227.38	1,742.71	484.67	4.596		
16,900.00	6,929.26	6,901.08	6,901.26	290.89	239.20	90.39	-818.41	8,943.87	2,280.81	1,799.49	481.32	4.739		
17,000.00	6,930.29	6,902.11	6,902.29	293.73	239.24	90.42	-818.41	8,943.87	2,337.31	1,859.49	477.82	4.892		
17,100.00	6,931.32	6,903.14	6,903.32	296.56	239.27	90.45	-818.41	8,943.87	2,396.64	1,922.42	474.22	5.054		
17,200.00	6,932.35	6,904.17	6,904.35	299.40	239.31	90.48	-818.41	8,943.87	2,458.61	1,988.06	470.55	5.225		
17,300.00	6,933.39	6,905.20	6,905.39	302.24	239.34	90.51	-818.41	8,943.87	2,523.03	2,056.17	466.86	5.404		
17,400.00	6,934.42	6,906.23	6,906.42	305.08	239.38	90.54	-818.41	8,943.87	2,589.70	2,126.54	463.16	5.591		
17,500.00	6,935.45	6,907.26	6,907.45	307.92	239.42	90.58	-818.41	8,943.87	2,658.47	2,198.98	459.49	5.786		
17,553.57	6,936.00	6,908.00	6,908.00	309.44	239.44	90.59	-818.41	8,943.87	2,696.11	2,238.57	457.54	5.893		
17,553.96	6,936.00	6,908.00	6,908.00	309.45	239.44	90.59	-818.41	8,943.87	2,696.38	2,238.86	457.52	5.893		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,000.00	6,770.37	6,726.37	6,726.37	31.92	233.10	16.27	621.09	10,260.03	9,968.77	9,704.34	264.43	37.699		
7,050.00	6,789.58	6,745.58	6,745.58	32.33	233.77	17.16	621.09	10,260.03	9,922.93	9,657.76	265.16	37.422		
7,100.00	6,805.17	6,761.17	6,761.17	32.78	234.31	18.80	621.09	10,260.03	9,875.67	9,609.91	265.76	37.160		
7,150.00	6,817.03	6,773.03	6,773.03	33.27	234.72	21.88	621.09	10,260.03	9,827.29	9,561.08	266.21	36.915		
7,200.00	6,825.11	6,781.11	6,781.11	33.80	235.01	28.60	621.09	10,260.03	9,778.10	9,511.57	266.53	36.687		
7,250.00	6,829.35	6,785.35	6,785.35	34.37	235.15	49.73	621.09	10,260.03	9,728.38	9,461.69	266.69	36.478		
7,273.12	6,830.00	6,786.00	6,786.00	34.65	235.18	78.01	621.09	10,260.03	9,705.30	9,438.58	266.72	36.387		
7,300.00	6,830.28	6,786.28	6,786.28	34.98	235.19	78.04	621.09	10,260.03	9,678.46	9,411.72	266.74	36.284		
7,400.00	6,831.31	6,787.31	6,787.31	36.32	235.22	78.16	621.09	10,260.03	9,578.58	9,311.78	266.80	35.901		
7,500.00	6,832.34	6,788.34	6,788.34	37.83	235.26	78.28	621.09	10,260.03	9,478.71	9,211.84	266.87	35.518		
7,600.00	6,833.37	6,789.37	6,789.37	39.49	235.29	78.41	621.09	10,260.03	9,378.84	9,111.90	266.93	35.135		
7,700.00	6,834.40	6,809.60	6,790.40	41.27	236.00	78.53	621.09	10,260.03	9,278.97	9,011.30	267.67	34.665		
7,800.00	6,835.44	6,808.57	6,791.44	43.17	235.96	78.65	621.09	10,260.03	9,179.11	8,911.43	267.67	34.292		
7,900.00	6,836.47	6,807.53	6,792.47	45.17	235.93	78.77	621.09	10,260.03	9,079.25	8,811.57	267.68	33.919		
8,000.00	6,837.50	6,806.50	6,793.50	47.26	235.89	78.89	621.09	10,260.03	8,979.39	8,711.71	267.68	33.545		
8,100.00	6,838.53	6,805.47	6,794.53	49.43	235.86	79.01	621.09	10,260.03	8,879.53	8,611.84	267.69	33.171		
8,200.00	6,839.56	6,804.44	6,795.56	51.66	235.82	79.13	621.09	10,260.03	8,779.68	8,511.98	267.70	32.797		
8,300.00	6,840.59	6,803.41	6,796.59	53.95	235.78	79.25	621.09	10,260.03	8,679.83	8,412.12	267.71	32.423		
8,400.00	6,841.62	6,802.38	6,797.62	56.29	235.75	79.37	621.09	10,260.03	8,579.98	8,312.26	267.72	32.048		
8,500.00	6,842.65	6,801.35	6,798.65	58.67	235.71	79.49	621.09	10,260.03	8,480.14	8,212.40	267.74	31.673		
8,600.00	6,843.68	6,800.32	6,799.68	61.10	235.68	79.61	621.09	10,260.03	8,380.30	8,112.54	267.76	31.297		
8,700.00	6,844.71	6,800.71	6,800.71	63.56	235.69	79.74	621.09	10,260.03	8,280.47	8,012.63	267.84	30.916		
8,800.00	6,845.75	6,801.75	6,801.75	66.05	235.73	79.86	621.09	10,260.03	8,180.64	7,912.70	267.94	30.532		
8,900.00	6,846.78	6,802.78	6,802.78	68.58	235.76	79.98	621.09	10,260.03	8,080.81	7,812.77	268.04	30.148		
9,000.00	6,847.81	6,803.81	6,803.81	71.12	235.80	80.10	621.09	10,260.03	7,980.99	7,712.84	268.14	29.764		
9,100.00	6,848.84	6,804.84	6,804.84	73.69	235.83	80.22	621.09	10,260.03	7,881.17	7,612.91	268.25	29.380		
9,200.00	6,849.87	6,805.87	6,805.87	76.28	235.87	80.34	621.09	10,260.03	7,781.35	7,512.99	268.37	28.995		
9,300.00	6,850.90	6,806.90	6,806.90	78.89	235.91	80.47	621.09	10,260.03	7,681.55	7,413.06	268.48	28.611		
9,400.00	6,851.93	6,807.93	6,807.93	81.51	235.94	80.59	621.09	10,260.03	7,581.74	7,313.14	268.60	28.227		
9,500.00	6,852.96	6,808.96	6,808.96	84.15	235.98	80.71	621.09	10,260.03	7,481.94	7,213.21	268.73	27.842		
9,600.00	6,853.99	6,809.99	6,809.99	86.80	236.01	80.83	621.09	10,260.03	7,382.15	7,113.29	268.86	27.458		
9,700.00	6,855.03	6,811.03	6,811.03	89.46	236.05	80.96	621.09	10,260.03	7,282.36	7,013.37	268.99	27.073		
9,800.00	6,856.06	6,812.06	6,812.06	92.14	236.09	81.08	621.09	10,260.03	7,182.58	6,913.45	269.13	26.688		
9,900.00	6,857.09	6,813.09	6,813.09	94.83	236.12	81.20	621.09	10,260.03	7,082.80	6,813.53	269.27	26.304		
10,000.00	6,858.12	6,814.12	6,814.12	97.52	236.16	81.32	621.09	10,260.03	6,983.03	6,713.61	269.42	25.919		
10,100.00	6,859.15	6,815.15	6,815.15	100.23	236.19	81.45	621.09	10,260.03	6,883.27	6,613.70	269.57	25.534		
10,200.00	6,860.18	6,816.18	6,816.18	102.94	236.23	81.57	621.09	10,260.03	6,783.51	6,513.78	269.73	25.149		
10,300.00	6,861.21	6,817.21	6,817.21	105.66	236.27	81.69	621.09	10,260.03	6,683.76	6,413.87	269.89	24.765		
10,400.00	6,862.24	6,818.24	6,818.24	108.39	236.30	81.81	621.09	10,260.03	6,584.02	6,313.95	270.06	24.380		
10,500.00	6,863.27	6,819.27	6,819.27	111.12	236.34	81.94	621.09	10,260.03	6,484.28	6,214.04	270.24	23.995		
10,600.00	6,864.30	6,820.30	6,820.30	113.86	236.37	82.06	621.09	10,260.03	6,384.55	6,114.13	270.42	23.610		
10,700.00	6,865.34	6,821.34	6,821.34	116.60	236.41	82.18	621.09	10,260.03	6,284.84	6,014.22	270.61	23.224		
10,800.00	6,866.37	6,822.37	6,822.37	119.35	236.45	82.31	621.09	10,260.03	6,185.13	5,914.32	270.81	22.839		
10,900.00	6,867.40	6,823.40	6,823.40	122.11	236.48	82.43	621.09	10,260.03	6,085.43	5,814.41	271.02	22.454		
11,000.00	6,868.43	6,824.43	6,824.43	124.87	236.52	82.55	621.09	10,260.03	5,985.74	5,714.51	271.23	22.069		
11,100.00	6,869.46	6,825.46	6,825.46	127.63	236.55	82.68	621.09	10,260.03	5,886.06	5,614.60	271.45	21.683		
11,200.00	6,870.49	6,826.49	6,826.49	130.40	236.59	82.80	621.09	10,260.03	5,786.39	5,514.70	271.69	21.298		
11,300.00	6,871.52	6,827.52	6,827.52	133.17	236.63	82.92	621.09	10,260.03	5,686.73	5,414.80	271.93	20.913		
11,400.00	6,872.55	6,828.55	6,828.55	135.94	236.66	83.05	621.09	10,260.03	5,587.08	5,314.90	272.18	20.527		
11,500.00	6,873.58	6,829.58	6,829.58	138.72	236.70	83.17	621.09	10,260.03	5,487.45	5,215.01	272.45	20.141		
11,600.00	6,874.62	6,830.62	6,830.62	141.50	236.73	83.29	621.09	10,260.03	5,387.83	5,115.11	272.72	19.756		
11,700.00	6,875.65	6,831.65	6,831.65	144.28	236.77	83.42	621.09	10,260.03	5,288.23	5,015.22	273.01	19.370		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,800.00	6,876.68	6,832.68	6,832.68	147.07	236.81	83.54	621.09	10,260.03	5,188.64	4,915.33	273.31	18.984		
11,900.00	6,877.71	6,833.71	6,833.71	149.85	236.84	83.67	621.09	10,260.03	5,089.06	4,815.43	273.63	18.598		
12,000.00	6,878.74	6,834.74	6,834.74	152.65	236.88	83.79	621.09	10,260.03	4,989.51	4,715.54	273.96	18.212		
12,100.00	6,879.77	6,835.77	6,835.77	155.44	236.91	83.91	621.09	10,260.03	4,889.97	4,615.66	274.31	17.826		
12,200.00	6,880.80	6,836.80	6,836.80	158.23	236.95	84.04	621.09	10,260.03	4,790.45	4,515.77	274.68	17.440		
12,300.00	6,881.83	6,837.83	6,837.83	161.03	236.99	84.16	621.09	10,260.03	4,690.95	4,415.88	275.06	17.054		
12,400.00	6,882.86	6,838.86	6,838.86	163.83	237.02	84.29	621.09	10,260.03	4,591.47	4,316.00	275.47	16.668		
12,500.00	6,883.89	6,839.89	6,839.89	166.63	237.06	84.41	621.09	10,260.03	4,492.01	4,216.11	275.90	16.281		
12,600.00	6,884.93	6,840.93	6,840.93	169.43	237.09	84.54	621.09	10,260.03	4,392.58	4,116.23	276.35	15.895		
12,700.00	6,885.96	6,841.96	6,841.96	172.24	237.13	84.66	621.09	10,260.03	4,293.17	4,016.34	276.83	15.508		
12,800.00	6,886.99	6,842.99	6,842.99	175.04	237.17	84.78	621.09	10,260.03	4,193.80	3,916.46	277.34	15.122		
12,900.00	6,888.02	6,844.02	6,844.02	177.85	237.20	84.91	621.09	10,260.03	4,094.45	3,816.57	277.87	14.735		
13,000.00	6,889.05	6,845.05	6,845.05	180.66	237.24	85.03	621.09	10,260.03	3,995.13	3,716.69	278.44	14.348		
13,100.00	6,890.08	6,846.08	6,846.08	183.47	237.27	85.16	621.09	10,260.03	3,895.85	3,616.80	279.05	13.961		
13,200.00	6,891.11	6,847.11	6,847.11	186.28	237.31	85.28	621.09	10,260.03	3,796.61	3,516.92	279.69	13.574		
13,300.00	6,892.14	6,848.14	6,848.14	189.10	237.35	85.41	621.09	10,260.03	3,697.41	3,417.03	280.38	13.187		
13,400.00	6,893.17	6,849.17	6,849.17	191.91	237.38	85.53	621.09	10,260.03	3,598.25	3,317.13	281.11	12.800		
13,500.00	6,894.21	6,850.21	6,850.21	194.73	237.42	85.66	621.09	10,260.03	3,499.14	3,217.24	281.90	12.413		
13,600.00	6,895.24	6,851.24	6,851.24	197.54	237.45	85.78	621.09	10,260.03	3,400.08	3,117.34	282.74	12.026		
13,700.00	6,896.27	6,852.27	6,852.27	200.36	237.49	85.91	621.09	10,260.03	3,301.08	3,017.44	283.64	11.638		
13,800.00	6,897.30	6,853.30	6,853.30	203.18	237.53	86.03	621.09	10,260.03	3,202.13	2,917.53	284.61	11.251		
13,900.00	6,898.33	6,854.33	6,854.33	206.00	237.56	86.16	621.09	10,260.03	3,103.26	2,817.61	285.65	10.864		
14,000.00	6,899.36	6,855.36	6,855.36	208.82	237.60	86.28	621.09	10,260.03	3,004.46	2,717.69	286.77	10.477		
14,100.00	6,900.39	6,856.39	6,856.39	211.64	237.63	86.41	621.09	10,260.03	2,905.74	2,617.75	287.99	10.090		
14,200.00	6,901.42	6,857.42	6,857.42	214.46	237.67	86.53	621.09	10,260.03	2,807.12	2,517.81	289.31	9.703		
14,300.00	6,902.45	6,858.45	6,858.45	217.28	237.71	86.66	621.09	10,260.03	2,708.59	2,417.85	290.74	9.316		
14,400.00	6,903.48	6,859.48	6,859.48	220.11	237.74	86.78	621.09	10,260.03	2,610.17	2,317.88	292.29	8.930		
14,500.00	6,904.52	6,860.52	6,860.52	222.93	237.78	86.91	621.09	10,260.03	2,511.88	2,217.90	293.99	8.544		
14,600.00	6,905.55	6,861.55	6,861.55	225.76	237.81	87.03	621.09	10,260.03	2,413.73	2,117.89	295.84	8.159		
14,700.00	6,906.58	6,862.58	6,862.58	228.58	237.85	87.16	621.09	10,260.03	2,315.74	2,017.86	297.88	7.774		
14,800.00	6,907.61	6,863.61	6,863.61	231.41	237.89	87.28	621.09	10,260.03	2,217.93	1,917.81	300.12	7.390		
14,900.00	6,908.64	6,864.64	6,864.64	234.24	237.92	87.41	621.09	10,260.03	2,120.32	1,817.73	302.58	7.007		
15,000.00	6,909.67	6,865.67	6,865.67	237.06	237.96	87.53	621.09	10,260.03	2,022.94	1,717.62	305.32	6.626		
15,100.00	6,910.70	6,866.70	6,866.70	239.89	237.99	87.66	621.09	10,260.03	1,925.83	1,617.48	308.35	6.246		
15,200.00	6,911.73	6,867.73	6,867.73	242.72	238.03	87.78	621.09	10,260.03	1,829.03	1,517.29	311.74	5.867		
15,300.00	6,912.76	6,868.76	6,868.76	245.55	238.07	87.91	621.09	10,260.03	1,732.60	1,417.06	315.53	5.491		
15,400.00	6,913.80	6,869.80	6,869.80	248.38	238.10	88.03	621.09	10,260.03	1,636.59	1,316.79	319.79	5.118		
15,500.00	6,914.83	6,870.83	6,870.83	251.21	238.14	88.16	621.09	10,260.03	1,541.09	1,216.47	324.61	4.747		
15,600.00	6,915.86	6,871.86	6,871.86	254.04	238.17	88.28	621.09	10,260.03	1,446.19	1,116.11	330.09	4.381		
15,700.00	6,916.89	6,872.89	6,872.89	256.88	238.21	88.41	621.09	10,260.03	1,352.04	1,015.70	336.34	4.020		
15,800.00	6,917.92	6,873.92	6,873.92	259.71	238.25	88.54	621.09	10,260.03	1,258.78	915.26	343.51	3.664		
15,900.00	6,918.95	6,874.95	6,874.95	262.54	238.28	88.66	621.09	10,260.03	1,166.64	814.83	351.81	3.316		
16,000.00	6,919.98	6,875.98	6,875.98	265.37	238.32	88.79	621.09	10,260.03	1,075.90	714.46	361.44	2.977		
16,100.00	6,921.01	6,877.01	6,877.01	268.21	238.35	88.91	621.09	10,260.03	986.95	614.25	372.70	2.648		
16,200.00	6,922.04	6,878.04	6,878.04	271.04	238.39	89.04	621.09	10,260.03	900.33	514.42	385.91	2.333		
16,300.00	6,923.08	6,879.08	6,879.08	273.88	238.43	89.16	621.09	10,260.03	816.76	415.34	401.43	2.035		
16,400.00	6,924.11	6,880.11	6,880.11	276.71	238.46	89.29	621.09	10,260.03	737.30	317.70	419.60	1.757		
16,500.00	6,925.14	6,881.14	6,881.14	279.55	238.50	89.41	621.09	10,260.03	663.42	222.83	440.59	1.506		
16,600.00	6,926.17	6,882.17	6,882.17	282.38	238.53	89.54	621.09	10,260.03	597.18	133.11	464.08	1.287 Level 3		
16,700.00	6,927.20	6,883.20	6,883.20	285.22	238.57	89.66	621.09	10,260.03	541.41	52.74	488.67	1.108 Level 2		
16,800.00	6,928.23	6,884.23	6,884.23	288.05	238.61	89.79	621.09	10,260.03	499.63	-11.63	511.26	0.977 Level 1		
16,900.00	6,929.26	6,885.26	6,885.26	290.89	238.64	89.92	621.09	10,260.03	475.53	-51.51	527.04	0.902 Level 1		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - KELLY #2-3 - 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
16,967.52	6,929.96	6,885.96	6,885.96	292.81	238.67	90.00	621.09	10,260.03	470.71	-60.74	531.46	0.886	Level 1, CC, ES, SF
17,000.00	6,930.29	6,886.29	6,886.29	293.73	238.68	90.04	621.09	10,260.03	471.83	-59.66	531.50	0.888	Level 1
17,100.00	6,931.32	6,887.32	6,887.32	296.56	238.71	90.17	621.09	10,260.03	489.00	-34.54	523.54	0.934	Level 1
17,200.00	6,932.35	6,888.35	6,888.35	299.40	238.75	90.29	621.09	10,260.03	524.99	18.63	506.36	1.037	Level 2
17,300.00	6,933.39	6,889.39	6,889.39	302.24	238.79	90.42	621.09	10,260.03	576.29	91.43	484.85	1.189	Level 2
17,400.00	6,934.42	6,909.58	6,890.42	305.08	239.49	90.54	621.09	10,260.03	639.21	175.68	463.54	1.379	Level 3
17,500.00	6,935.45	6,908.55	6,891.45	307.92	239.46	90.67	621.09	10,260.03	710.69	267.61	443.08	1.604	
17,553.57	6,936.00	6,908.00	6,892.00	309.44	239.44	90.74	621.09	10,260.03	751.66	318.58	433.08	1.736	
17,553.96	6,936.00	6,908.00	6,892.00	309.45	239.44	90.74	621.09	10,260.03	751.96	318.95	433.02	1.737	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	97.90	-731.67	5,274.77	5,325.33					
100.00	100.00	95.36	95.36	3.28	3.29	97.90	-731.88	5,274.58	5,325.15	5,318.57	6.57	810.347		
200.00	200.00	231.18	231.18	3.34	3.34	97.91	-732.52	5,273.51	5,324.42	5,317.74	6.68	797.036		
300.00	300.00	313.99	313.98	3.44	3.43	97.91	-732.92	5,272.76	5,323.58	5,316.71	6.88	774.209		
400.00	399.98	445.05	445.04	3.60	3.64	101.92	-733.53	5,271.58	5,323.17	5,315.92	7.25	734.716		
500.00	499.84	560.49	560.46	3.81	3.89	101.99	-733.73	5,269.87	5,322.81	5,315.11	7.69	691.859		
501.68	501.51	556.11	556.08	3.81	3.88	101.99	-733.73	5,269.95	5,322.81	5,315.13	7.69	692.457		
600.00	599.45	627.13	627.09	4.06	4.05	102.05	-734.03	5,269.04	5,323.42	5,315.32	8.10	657.424		
700.00	698.70	711.89	711.84	4.34	4.28	102.13	-734.65	5,268.28	5,325.19	5,316.59	8.60	619.174		
775.00	772.83	772.91	772.86	4.57	4.46	102.19	-735.04	5,267.87	5,327.19	5,318.19	9.00	591.738		
800.00	797.48	792.51	792.46	4.65	4.52	102.23	-735.11	5,267.78	5,327.98	5,318.84	9.14	582.944		
900.00	896.11	890.60	890.55	4.97	4.82	102.39	-734.61	5,267.61	5,331.29	5,321.52	9.77	545.784		
1,000.00	994.74	977.24	977.15	5.31	5.09	102.52	-731.96	5,267.75	5,334.61	5,324.22	10.39	513.503		
1,100.00	1,093.37	1,119.96	1,119.58	5.68	5.55	102.67	-723.06	5,268.71	5,338.06	5,326.83	11.23	475.539		
1,200.00	1,192.00	1,538.17	1,535.70	6.06	7.13	103.01	-684.92	5,257.32	5,337.04	5,323.86	13.18	405.052		
1,300.00	1,290.63	1,300.00	1,646.77	6.45	6.20	103.14	-678.44	5,250.40	5,333.70	5,321.06	12.65	421.668		
1,400.00	1,389.26	1,707.90	1,704.81	6.86	7.82	103.21	-674.98	5,246.83	5,330.55	5,315.90	14.65	363.912		
1,500.00	1,487.88	1,753.00	1,749.81	7.27	8.00	103.27	-673.01	5,244.50	5,328.48	5,313.24	15.24	349.602		
1,600.00	1,586.51	1,802.46	1,799.18	7.69	8.20	103.34	-670.91	5,242.42	5,327.41	5,311.55	15.86	335.916		
1,675.52	1,661.00	1,845.00	1,841.63	8.01	8.38	103.39	-668.59	5,241.04	5,327.19	5,310.84	16.35	325.803		
1,700.00	1,685.14	1,868.47	1,865.05	8.11	8.48	103.42	-667.22	5,240.37	5,327.21	5,310.66	16.55	321.874		
1,774.10	1,758.23	1,953.50	1,949.93	8.43	8.83	103.52	-662.89	5,237.70	5,327.15	5,309.93	17.22	309.444		
1,800.00	1,783.77	1,965.09	1,961.50	8.54	8.88	103.54	-662.37	5,237.36	5,327.17	5,309.79	17.37	306.627		
1,900.00	1,882.40	2,041.09	2,037.41	8.97	9.19	103.64	-659.37	5,235.17	5,327.54	5,309.42	18.12	294.069		
2,000.00	1,981.03	2,121.00	2,117.24	9.41	9.52	103.76	-656.65	5,232.78	5,328.01	5,309.13	18.88	282.207		
2,100.00	2,079.66	2,186.34	2,182.54	9.84	9.79	103.86	-655.08	5,231.05	5,329.07	5,309.48	19.58	272.102		
2,200.00	2,178.28	2,247.45	2,243.63	10.29	10.05	103.96	-654.37	5,230.00	5,331.12	5,310.85	20.27	262.950		
2,300.00	2,276.91	2,341.87	2,338.03	10.73	10.44	104.10	-652.85	5,228.82	5,333.64	5,312.54	21.10	252.722		
2,400.00	2,375.54	2,502.22	2,498.33	11.18	11.10	104.35	-649.84	5,225.89	5,335.60	5,313.39	22.22	240.155		
2,500.00	2,474.17	2,582.00	2,578.07	11.62	11.44	104.48	-648.44	5,223.96	5,337.07	5,314.07	23.00	232.084		
2,600.00	2,572.80	2,633.28	2,629.34	12.07	11.65	104.57	-648.19	5,222.93	5,339.23	5,315.58	23.65	225.758		
2,700.00	2,671.43	2,674.00	2,670.05	12.52	11.81	104.64	-648.61	5,222.42	5,342.46	5,318.20	24.26	220.219		
2,800.00	2,770.05	2,710.14	2,706.19	12.97	11.95	104.71	-649.15	5,222.36	5,346.85	5,322.01	24.84	215.229		
2,900.00	2,868.68	2,766.00	2,762.04	13.43	12.17	104.81	-649.68	5,223.27	5,352.63	5,327.12	25.50	209.869		
3,000.00	2,967.31	2,810.92	2,806.94	13.88	12.35	104.89	-649.95	5,224.44	5,359.28	5,333.16	26.12	205.190		
3,100.00	3,065.94	2,926.50	2,922.49	14.34	12.79	105.09	-650.60	5,227.06	5,365.95	5,338.93	27.03	198.539		
3,200.00	3,164.57	3,073.72	3,069.69	14.79	13.37	105.34	-651.75	5,229.58	5,372.21	5,344.13	28.07	191.366		
3,300.00	3,263.20	3,186.17	3,182.13	15.25	13.82	105.54	-652.69	5,230.68	5,377.80	5,348.82	28.98	185.584		
3,400.00	3,361.83	3,304.46	3,300.41	15.71	14.29	105.75	-653.57	5,231.65	5,383.28	5,353.37	29.91	179.975		
3,500.00	3,460.45	3,389.56	3,385.50	16.17	14.64	105.89	-653.37	5,232.41	5,388.68	5,357.97	30.71	175.467		
3,600.00	3,559.08	3,496.26	3,492.18	16.62	15.08	106.05	-651.69	5,233.82	5,394.25	5,362.64	31.61	170.646		
3,700.00	3,657.71	3,646.80	3,642.67	17.08	15.71	106.26	-648.11	5,234.69	5,398.82	5,366.10	32.71	165.044		
3,800.00	3,756.34	3,790.48	3,786.34	17.54	16.32	106.49	-646.77	5,234.20	5,402.99	5,369.21	33.78	159.947		
3,900.00	3,854.97	3,844.00	3,839.86	18.00	16.54	106.58	-646.74	5,233.60	5,406.90	5,372.44	34.46	156.920		
4,000.00	3,953.60	3,898.35	3,894.20	18.46	16.76	106.68	-647.06	5,233.38	5,411.66	5,376.53	35.13	154.046		
4,100.00	4,052.23	3,933.00	3,928.85	18.92	16.91	106.74	-647.67	5,233.69	5,417.74	5,382.03	35.71	151.696		
4,200.00	4,150.85	4,032.28	4,028.10	19.39	17.31	106.93	-649.87	5,235.07	5,424.47	5,387.89	36.58	148.307		
4,300.00	4,249.48	4,103.21	4,099.00	19.85	17.60	107.06	-651.35	5,236.27	5,431.49	5,394.18	37.31	145.561		
4,400.00	4,348.11	4,335.61	4,331.34	20.31	18.55	107.46	-653.93	5,239.58	5,438.81	5,400.04	38.77	140.285		
4,500.00	4,446.74	4,458.48	4,454.21	20.77	19.07	107.67	-654.36	5,239.15	5,443.61	5,403.86	39.75	136.949		
4,600.00	4,545.37	4,565.37	4,561.10	21.23	19.52	107.85	-654.49	5,238.41	5,448.07	5,407.40	40.66	133.981		
4,700.00	4,644.00	4,703.68	4,699.40	21.70	20.11	108.08	-654.03	5,236.95	5,452.09	5,410.37	41.72	130.694		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
4,800.00	4,742.63	4,779.02	4,774.73	22.16	20.43	108.20	-653.78	5,235.94	5,455.94	5,413.44	42.49	128.391		
4,900.00	4,841.25	4,843.98	4,839.69	22.62	20.70	108.31	-653.84	5,235.51	5,460.51	5,417.29	43.23	126.326		
5,000.00	4,939.88	4,939.12	4,934.82	23.09	21.10	108.47	-653.94	5,235.14	5,465.43	5,421.34	44.09	123.962		
5,100.00	5,038.51	5,036.94	5,032.64	23.55	21.52	108.64	-654.33	5,234.70	5,470.42	5,425.45	44.96	121.660		
5,200.00	5,137.14	5,152.83	5,148.53	24.02	22.01	108.84	-655.03	5,234.06	5,475.41	5,429.49	45.92	119.239		
5,300.00	5,235.77	5,252.44	5,248.14	24.48	22.43	109.01	-656.06	5,233.04	5,480.11	5,433.31	46.80	117.089		
5,400.00	5,334.40	5,351.10	5,346.78	24.94	22.84	109.19	-657.50	5,232.00	5,484.94	5,437.26	47.68	115.033		
5,500.00	5,433.03	5,475.56	5,471.22	25.41	23.37	109.39	-657.41	5,230.89	5,489.58	5,440.90	48.68	112.776		
5,600.00	5,531.65	5,575.07	5,570.72	25.87	23.80	109.56	-657.87	5,229.51	5,493.93	5,444.36	49.56	110.849		
5,700.00	5,630.28	5,627.00	5,622.63	26.34	24.02	109.66	-659.09	5,228.62	5,498.66	5,448.43	50.23	109.460		
5,800.00	5,728.91	5,694.02	5,689.62	26.80	24.30	109.79	-660.74	5,227.95	5,504.11	5,453.14	50.97	107.990		
5,900.00	5,827.54	5,786.22	5,781.81	27.27	24.68	109.95	-662.31	5,228.01	5,510.32	5,458.50	51.82	106.345		
6,000.00	5,926.17	5,889.99	5,885.56	27.73	25.12	110.14	-664.48	5,227.73	5,516.38	5,463.67	52.72	104.643		
6,100.00	6,024.80	5,968.29	5,963.85	28.20	25.45	110.28	-665.38	5,227.87	5,522.66	5,469.16	53.50	103.229		
6,200.00	6,123.43	6,108.82	6,104.37	28.66	26.04	110.50	-665.46	5,228.21	5,528.71	5,474.14	54.57	101.318		
6,272.77	6,195.20	6,173.92	6,169.46	29.00	26.32	110.62	-666.53	5,227.89	5,532.98	5,477.80	55.18	100.274		
6,300.00	6,222.05	6,204.35	6,199.89	29.13	26.45	96.11	-666.94	5,227.77	5,534.03	5,478.60	55.43	99.832		
6,350.00	6,271.23	6,260.32	6,255.86	29.36	26.68	73.61	-667.05	5,227.69	5,533.03	5,477.13	55.90	98.981		
6,400.00	6,319.99	6,253.00	6,248.54	29.58	26.65	58.76	-667.08	5,227.69	5,528.55	5,472.48	56.07	98.600		
6,450.00	6,368.01	6,288.66	6,284.20	29.79	26.80	49.70	-666.97	5,227.91	5,520.45	5,464.02	56.43	97.833		
6,500.00	6,415.02	6,305.00	6,300.53	29.99	26.87	43.99	-666.92	5,228.16	5,509.07	5,452.38	56.69	97.186		
6,550.00	6,460.71	6,342.00	6,337.53	30.18	27.02	40.38	-666.84	5,229.08	5,494.48	5,437.44	57.03	96.341		
6,600.00	6,504.81	6,342.00	6,337.53	30.36	27.02	37.97	-666.84	5,229.08	5,476.41	5,419.22	57.19	95.753		
6,650.00	6,547.04	6,342.00	6,337.53	30.53	27.02	36.46	-666.84	5,229.08	5,455.32	5,397.98	57.34	95.134		
6,700.00	6,587.14	6,342.00	6,337.53	30.69	27.02	35.63	-666.84	5,229.08	5,431.29	5,373.81	57.48	94.484		
6,750.00	6,624.87	6,342.00	6,337.53	30.83	27.02	35.35	-666.84	5,229.08	5,404.44	5,346.82	57.61	93.804		
6,800.00	6,660.00	6,378.42	6,373.91	30.96	27.17	35.76	-666.54	5,230.68	5,374.40	5,316.48	57.92	92.792		
6,850.00	6,692.30	6,387.25	6,382.72	31.07	27.21	36.52	-666.40	5,231.20	5,342.01	5,283.93	58.08	91.975		
6,900.00	6,721.58	6,395.45	6,390.90	31.23	27.24	37.79	-666.25	5,231.73	5,307.19	5,248.96	58.24	91.131		
6,950.00	6,747.66	6,431.00	6,426.33	31.56	27.39	39.86	-665.33	5,234.58	5,270.40	5,211.87	58.53	90.049		
7,000.00	6,770.37	6,431.00	6,426.33	31.92	27.39	42.33	-665.33	5,234.58	5,231.13	5,172.49	58.64	89.207		
7,050.00	6,789.58	6,431.00	6,426.33	32.33	27.39	45.60	-665.33	5,234.58	5,190.05	5,131.30	58.75	88.338		
7,100.00	6,805.17	6,431.00	6,426.33	32.78	27.39	49.85	-665.33	5,234.58	5,147.37	5,088.50	58.87	87.442		
7,150.00	6,817.03	6,431.00	6,426.33	33.27	27.39	55.37	-665.33	5,234.58	5,103.32	5,044.33	58.98	86.523		
7,200.00	6,825.11	6,431.00	6,426.33	33.80	27.39	62.44	-665.33	5,234.58	5,058.13	4,999.03	59.10	85.582		
7,250.00	6,829.35	6,431.00	6,426.33	34.37	27.39	71.36	-665.33	5,234.58	5,012.06	4,952.84	59.23	84.622		
7,273.12	6,830.00	6,431.00	6,426.33	34.65	27.39	76.13	-665.33	5,234.58	4,990.54	4,931.25	59.29	84.172		
7,300.00	6,830.28	6,431.00	6,426.33	34.98	27.39	76.13	-665.33	5,234.58	4,965.45	4,906.09	59.36	83.649		
7,400.00	6,831.31	6,431.00	6,426.33	36.32	27.39	76.13	-665.33	5,234.58	4,872.30	4,812.65	59.65	81.680		
7,500.00	6,832.34	6,431.00	6,426.33	37.83	27.39	76.13	-665.33	5,234.58	4,779.42	4,719.43	59.99	79.670		
7,600.00	6,833.37	6,431.00	6,426.33	39.49	27.39	76.13	-665.33	5,234.58	4,686.84	4,626.45	60.38	77.620		
7,700.00	6,834.40	6,431.00	6,426.33	41.27	27.39	76.13	-665.33	5,234.58	4,594.56	4,533.73	60.83	75.532		
7,800.00	6,835.44	6,431.00	6,426.33	43.17	27.39	76.13	-665.33	5,234.58	4,502.62	4,441.28	61.34	73.408		
7,900.00	6,836.47	6,431.00	6,426.33	45.17	27.39	76.13	-665.33	5,234.58	4,411.03	4,349.12	61.91	71.252		
8,000.00	6,837.50	6,431.00	6,426.33	47.26	27.39	76.13	-665.33	5,234.58	4,319.81	4,257.26	62.55	69.065		
8,100.00	6,838.53	6,431.00	6,426.33	49.43	27.39	76.13	-665.33	5,234.58	4,228.98	4,165.73	63.26	66.853		
8,200.00	6,839.56	6,431.00	6,426.33	51.66	27.39	76.13	-665.33	5,234.58	4,138.58	4,074.54	64.05	64.619		
8,300.00	6,840.59	6,431.00	6,426.33	53.95	27.39	76.13	-665.33	5,234.58	4,048.64	3,983.72	64.92	62.368		
8,400.00	6,841.62	6,464.03	6,459.17	56.29	27.53	77.15	-664.41	5,237.96	3,958.67	3,892.62	66.06	59.927		
8,500.00	6,842.65	6,467.50	6,462.61	58.67	27.54	77.26	-664.33	5,238.35	3,869.61	3,802.49	67.13	57.647		
8,600.00	6,843.68	6,471.08	6,466.17	61.10	27.56	77.37	-664.25	5,238.76	3,781.08	3,712.79	68.29	55.368		
8,700.00	6,844.71	6,474.79	6,469.86	63.56	27.57	77.48	-664.17	5,239.20	3,693.13	3,623.57	69.56	53.096		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	6,845.75	6,478.64	6,473.67	66.05	27.59	77.60	-664.09	5,239.66	3,605.79	3,534.86	70.93	50.837		
8,900.00	6,846.78	6,482.62	6,477.62	68.58	27.60	77.73	-664.01	5,240.14	3,519.11	3,446.69	72.41	48.598		
9,000.00	6,847.81	6,486.75	6,481.72	71.12	27.62	77.85	-663.94	5,240.66	3,433.13	3,359.12	74.02	46.384		
9,100.00	6,848.84	6,491.04	6,485.98	73.69	27.64	77.99	-663.86	5,241.20	3,347.92	3,272.18	75.74	44.201		
9,200.00	6,849.87	6,520.00	6,514.66	76.28	27.76	78.89	-663.48	5,245.17	3,263.82	3,186.08	77.74	41.982		
9,300.00	6,850.90	6,520.00	6,514.66	78.89	27.76	78.89	-663.48	5,245.17	3,180.22	3,100.51	79.71	39.898		
9,400.00	6,851.93	6,520.00	6,514.66	81.51	27.76	78.89	-663.48	5,245.17	3,097.59	3,015.78	81.81	37.862		
9,500.00	6,852.96	6,520.00	6,514.66	84.15	27.76	78.89	-663.48	5,245.17	3,016.01	2,931.95	84.06	35.878		
9,600.00	6,853.99	6,520.00	6,514.66	86.80	27.76	78.89	-663.48	5,245.17	2,935.58	2,849.11	86.47	33.951		
9,700.00	6,855.03	6,520.00	6,514.66	89.46	27.76	78.89	-663.48	5,245.17	2,856.38	2,767.35	89.02	32.085		
9,800.00	6,856.06	6,520.00	6,514.66	92.14	27.76	78.89	-663.48	5,245.17	2,778.52	2,686.77	91.75	30.285		
9,900.00	6,857.09	6,520.00	6,514.66	94.83	27.76	78.89	-663.48	5,245.17	2,702.12	2,607.48	94.64	28.553		
10,000.00	6,858.12	6,520.00	6,514.66	97.52	27.76	78.89	-663.48	5,245.17	2,627.30	2,529.60	97.70	26.893		
10,100.00	6,859.15	6,520.00	6,514.66	100.23	27.76	78.89	-663.48	5,245.17	2,554.21	2,453.28	100.93	25.306		
10,200.00	6,860.18	6,520.00	6,514.66	102.94	27.76	78.89	-663.48	5,245.17	2,482.99	2,378.65	104.34	23.797		
10,300.00	6,861.21	6,550.44	6,544.70	105.66	27.88	79.85	-663.31	5,250.07	2,413.22	2,305.05	108.16	22.311		
10,400.00	6,862.24	6,556.58	6,550.74	108.39	27.90	80.04	-663.30	5,251.17	2,346.00	2,234.02	111.98	20.950		
10,500.00	6,863.27	6,563.14	6,557.18	111.12	27.93	80.25	-663.31	5,252.39	2,281.14	2,165.16	115.98	19.669		
10,600.00	6,864.30	6,570.15	6,564.07	113.86	27.96	80.47	-663.32	5,253.73	2,218.83	2,098.68	120.15	18.468		
10,700.00	6,865.34	6,577.66	6,571.43	116.60	27.99	80.71	-663.35	5,255.23	2,159.28	2,034.81	124.47	17.347		
10,800.00	6,866.37	6,610.00	6,602.98	119.35	28.12	81.72	-663.65	5,262.31	2,103.10	1,973.97	129.13	16.287		
10,900.00	6,867.40	6,610.00	6,602.98	122.11	28.12	81.72	-663.65	5,262.31	2,049.56	1,915.90	133.66	15.334		
11,000.00	6,868.43	6,610.00	6,602.98	124.87	28.12	81.72	-663.65	5,262.31	1,999.59	1,861.31	138.28	14.461		
11,100.00	6,869.46	6,618.55	6,611.28	127.63	28.15	81.99	-663.74	5,264.35	1,953.44	1,810.42	143.02	13.659		
11,200.00	6,870.49	6,643.41	6,635.33	130.40	28.25	82.77	-663.85	5,270.65	1,911.16	1,763.26	147.90	12.922		
11,300.00	6,871.52	6,673.00	6,663.76	133.17	28.37	83.69	-663.64	5,278.86	1,872.87	1,720.08	152.79	12.258		
11,400.00	6,872.55	6,708.75	6,697.78	135.94	28.51	84.80	-662.90	5,289.80	1,838.70	1,681.06	157.63	11.664		
11,500.00	6,873.58	6,727.68	6,715.68	138.72	28.59	85.38	-662.48	5,295.93	1,808.96	1,646.72	162.24	11.150		
11,600.00	6,874.62	6,752.81	6,739.34	141.50	28.70	86.16	-661.92	5,304.42	1,783.87	1,617.17	166.70	10.701		
11,700.00	6,875.65	6,780.25	6,764.99	144.28	28.82	87.00	-661.35	5,314.11	1,763.57	1,592.63	170.94	10.317		
11,800.00	6,876.68	6,816.52	6,798.52	147.07	28.98	88.10	-660.53	5,327.94	1,748.10	1,573.15	174.95	9.992		
11,900.00	6,877.71	6,866.61	6,843.45	149.85	29.20	89.58	-658.92	5,349.99	1,737.21	1,558.51	178.70	9.721		
12,000.00	6,878.74	6,910.05	6,880.88	152.65	29.41	90.81	-657.23	5,371.93	1,730.67	1,548.60	182.07	9.506		
12,100.00	6,879.77	6,959.86	6,921.59	155.44	29.66	92.15	-655.47	5,400.55	1,728.49	1,543.35	185.13	9.336		
12,105.00	6,879.82	6,962.69	6,923.83	155.58	29.68	92.22	-655.38	5,402.29	1,728.48	1,543.20	185.28	9.329 CC		
12,200.00	6,880.80	7,041.24	6,982.33	158.23	30.14	94.14	-652.71	5,454.55	1,729.76	1,541.64	188.12	9.195		
12,300.00	6,881.83	7,182.71	7,067.20	161.03	31.23	96.92	-645.69	5,567.06	1,731.04	1,539.57	191.48	9.041		
12,400.00	6,882.86	7,256.93	7,103.63	163.83	31.96	98.11	-642.60	5,631.64	1,733.85	1,539.40	194.46	8.916		
12,500.00	6,883.89	7,367.01	7,153.25	166.63	33.28	99.71	-638.58	5,729.80	1,737.86	1,539.97	197.89	8.782		
12,600.00	6,884.93	7,513.80	7,202.95	169.43	35.42	101.31	-632.80	5,867.65	1,740.52	1,538.38	202.14	8.611		
12,700.00	6,885.96	7,577.50	7,216.68	172.24	36.54	101.74	-631.77	5,929.82	1,743.37	1,537.78	205.58	8.480		
12,800.00	6,886.99	7,636.00	7,223.46	175.04	37.61	101.92	-633.32	5,987.86	1,748.43	1,539.45	208.98	8.366		
12,900.00	6,888.02	7,746.33	7,226.96	177.85	39.78	101.96	-639.47	6,097.96	1,754.79	1,540.85	213.94	8.202		
13,000.00	6,889.05	7,941.50	7,224.67	180.66	44.10	101.79	-643.36	6,293.05	1,755.85	1,534.36	221.49	7.927		
13,100.00	6,890.08	8,061.33	7,224.53	183.47	47.01	101.75	-642.41	6,412.86	1,755.23	1,528.07	227.16	7.727		
13,200.00	6,891.11	8,212.80	7,224.62	186.28	50.87	101.72	-638.74	6,564.27	1,753.24	1,519.57	233.67	7.503		
13,300.00	6,892.14	8,262.58	7,225.16	189.10	52.20	101.73	-637.54	6,614.04	1,750.98	1,513.20	237.78	7.364		
13,356.93	6,892.73	8,299.65	7,225.44	190.70	53.19	101.72	-637.23	6,651.11	1,750.69	1,510.39	240.30	7.285		
13,400.00	6,893.17	8,333.44	7,225.60	191.91	54.11	101.72	-637.22	6,684.90	1,750.81	1,508.43	242.38	7.223		
13,500.00	6,894.21	8,413.20	7,225.47	194.73	56.30	101.68	-638.01	6,764.65	1,751.94	1,504.69	247.25	7.086		
13,600.00	6,895.24	8,541.84	7,222.51	197.54	59.90	101.52	-640.40	6,893.22	1,753.69	1,499.93	253.76	6.911		
13,614.59	6,895.39	13,614.59	7,222.57	197.95	203.39	101.53	-640.21	6,890.92	1,753.60	1,358.53	395.07	4.439		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
13,700.00	6,896.27	8,631.35	7,220.39	200.36	62.46	101.42	-640.75	6,982.71	1,753.82	1,494.73	259.09	6.769		
13,800.00	6,897.30	8,789.39	7,218.20	203.18	67.07	101.31	-638.39	7,140.70	1,751.97	1,485.48	266.50	6.574		
13,900.00	6,898.33	8,873.14	7,217.93	206.00	69.54	101.28	-636.33	7,224.42	1,749.71	1,477.98	271.74	6.439		
14,000.00	6,899.36	8,958.78	7,217.80	208.82	72.10	101.26	-635.12	7,310.05	1,748.49	1,471.45	277.04	6.311		
14,087.04	6,900.26	9,030.08	7,216.83	211.27	74.24	101.20	-634.73	7,381.35	1,747.98	1,466.40	281.58	6.208		
14,100.00	6,900.39	9,039.32	7,216.73	211.64	74.52	101.20	-634.74	7,390.58	1,748.00	1,465.79	282.21	6.194		
14,200.00	6,901.42	9,121.13	7,216.37	214.46	77.00	101.15	-635.47	7,472.39	1,748.95	1,461.54	287.40	6.085		
14,300.00	6,902.45	9,213.59	7,215.05	217.28	79.82	101.07	-636.68	7,564.83	1,750.18	1,457.19	292.99	5.973		
14,400.00	6,903.48	9,294.63	7,214.19	220.11	82.32	101.00	-638.67	7,645.84	1,752.55	1,454.39	298.17	5.878		
14,500.00	6,904.52	9,376.00	7,211.56	222.93	84.76	100.85	-641.33	7,727.60	1,754.35	1,451.23	303.12	5.793		
14,600.00	6,905.55	9,457.94	7,212.55	225.76	87.14	100.85	-638.37	7,809.02	1,752.23	1,439.48	312.75	5.603		
14,700.00	6,906.58	9,539.97	7,214.60	228.58	89.36	100.90	-636.84	8,001.01	1,750.91	1,433.23	317.68	5.512		
14,717.21	6,906.76	9,660.55	7,214.92	229.07	93.70	100.90	-636.73	8,011.58	1,750.88	1,432.41	318.47	5.498		
14,800.00	6,907.61	9,714.00	7,216.47	231.41	95.37	100.93	-636.84	8,065.01	1,751.64	1,429.34	322.29	5.435		
14,900.00	6,908.64	9,811.68	7,219.47	234.24	98.46	100.99	-637.92	8,162.64	1,753.51	1,425.46	328.05	5.345		
15,000.00	6,909.67	9,915.12	7,222.50	237.06	101.74	101.04	-638.78	8,266.03	1,755.09	1,421.07	334.02	5.254		
15,100.00	6,910.70	10,004.87	7,223.74	239.89	104.59	101.04	-640.18	8,355.76	1,757.08	1,417.53	339.55	5.175		
15,200.00	6,911.73	10,113.91	7,223.53	242.72	108.06	100.98	-642.25	8,464.78	1,759.12	1,413.26	345.86	5.086		
15,300.00	6,912.76	10,211.47	7,219.67	245.55	111.17	100.81	-644.27	8,562.23	1,760.63	1,408.77	351.86	5.004		
15,400.00	6,913.80	10,310.69	7,214.67	248.38	114.34	100.60	-647.09	8,661.29	1,762.69	1,404.73	357.97	4.924		
15,500.00	6,914.83	10,419.30	7,210.93	251.21	117.82	100.43	-649.32	8,769.81	1,764.30	1,399.91	364.39	4.842		
15,600.00	6,915.86	10,496.31	7,210.10	254.04	120.30	100.37	-650.83	8,846.79	1,766.28	1,396.73	369.55	4.780		
15,700.00	6,916.89	10,570.92	7,210.47	256.88	122.70	100.34	-653.19	8,921.36	1,769.70	1,395.19	374.51	4.725		
15,800.00	6,917.92	10,670.64	7,209.89	259.71	125.92	100.26	-657.61	9,020.98	1,774.18	1,393.63	380.55	4.662		
15,900.00	6,918.95	10,870.62	7,210.11	262.54	132.38	100.18	-660.77	9,220.91	1,776.44	1,386.20	390.24	4.552		
16,000.00	6,919.98	10,986.07	7,210.87	265.37	136.11	100.18	-657.97	9,336.33	1,774.37	1,377.70	396.67	4.473		
16,100.00	6,921.01	11,084.44	7,212.26	268.21	139.30	100.20	-655.15	9,434.64	1,772.02	1,369.44	402.58	4.402		
16,200.00	6,922.04	11,184.40	7,213.17	271.04	142.53	100.21	-652.57	9,534.56	1,769.87	1,361.31	408.56	4.332		
16,300.00	6,923.08	11,301.01	7,212.74	273.88	146.31	100.18	-649.24	9,651.12	1,767.22	1,352.18	415.04	4.258		
16,400.00	6,924.11	11,378.43	7,212.79	276.71	148.83	100.17	-646.83	9,728.50	1,764.45	1,344.03	420.42	4.197		
16,500.00	6,925.14	11,459.09	7,213.32	279.55	151.45	100.16	-645.58	9,809.15	1,763.23	1,337.39	425.84	4.141		
16,600.00	6,926.17	11,551.14	7,214.97	282.38	154.45	100.19	-644.53	9,901.18	1,762.64	1,331.08	431.56	4.084		
16,700.00	6,927.20	11,709.17	7,217.93	285.22	159.59	100.25	-640.33	10,059.10	1,760.56	1,321.39	439.18	4.009		
16,800.00	6,928.23	11,790.49	7,221.91	288.05	162.23	100.37	-636.84	10,140.25	1,757.43	1,312.88	444.55	3.953		
16,900.00	6,929.26	11,885.85	7,225.44	290.89	165.34	100.47	-633.88	10,235.49	1,755.25	1,304.94	450.31	3.898		
17,000.00	6,930.29	12,011.16	7,228.89	293.73	169.42	100.56	-628.78	10,360.65	1,751.90	1,295.04	456.86	3.835		
17,077.14	6,931.09	12,022.00	7,229.17	295.92	169.78	100.57	-628.28	10,371.47	1,750.24	1,290.70	459.54	3.809		
17,100.00	6,931.32	12,022.00	7,229.17	296.56	169.78	100.57	-628.28	10,371.47	1,750.39	1,290.29	460.09	3.804 ES		
17,200.00	6,932.35	12,022.00	7,229.17	299.40	169.78	100.57	-628.28	10,371.47	1,754.54	1,292.94	461.61	3.801 SF		
17,300.00	6,933.39	12,022.00	7,229.17	302.24	169.78	100.57	-628.28	10,371.47	1,764.37	1,302.70	461.66	3.822		
17,400.00	6,934.42	12,022.00	7,229.17	305.08	169.78	100.57	-628.28	10,371.47	1,779.77	1,319.46	460.31	3.866		
17,500.00	6,935.45	12,022.00	7,229.17	307.92	169.78	100.57	-628.28	10,371.47	1,800.59	1,342.97	457.62	3.935		
17,553.57	6,936.00	12,022.00	7,229.17	309.44	169.78	100.57	-628.28	10,371.47	1,813.92	1,358.24	455.68	3.981		
17,553.96	6,936.00	12,022.00	7,229.17	309.45	169.78	100.57	-628.28	10,371.47	1,814.02	1,358.36	455.66	3.981		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	98.04	-739.69	5,235.52	5,287.57					
100.00	100.00	89.35	89.34	3.28	3.29	98.05	-740.53	5,235.31	5,287.44	5,280.87	6.57	804.545		
200.00	200.00	204.36	204.33	3.34	3.36	98.07	-742.61	5,234.47	5,286.95	5,280.26	6.70	789.509		
300.00	300.00	290.01	289.97	3.44	3.46	98.09	-743.98	5,233.97	5,286.60	5,279.69	6.91	765.565		
330.94	330.94	319.91	319.87	3.49	3.50	102.06	-744.43	5,233.83	5,286.56	5,279.56	6.99	755.924		
400.00	399.98	387.08	387.03	3.60	3.62	102.08	-745.43	5,233.55	5,286.75	5,279.52	7.22	731.969		
500.00	499.84	530.72	530.65	3.81	3.93	102.17	-747.46	5,232.69	5,287.55	5,279.81	7.73	683.588		
600.00	599.45	674.02	673.82	4.06	4.32	102.36	-752.56	5,229.60	5,287.69	5,279.33	8.36	632.379		
700.00	698.70	742.00	741.62	4.34	4.52	102.47	-757.08	5,227.84	5,288.75	5,279.90	8.84	598.172		
775.00	772.83	779.93	779.42	4.57	4.64	102.53	-760.14	5,227.02	5,290.55	5,281.36	9.19	575.729		
800.00	797.48	791.88	791.33	4.65	4.68	102.57	-761.13	5,226.81	5,291.34	5,282.04	9.31	568.525		
900.00	896.11	837.00	836.29	4.97	4.84	102.68	-764.91	5,226.29	5,295.17	5,285.38	9.79	540.971		
1,000.00	994.74	879.34	878.46	5.31	4.98	102.80	-768.66	5,226.19	5,300.08	5,289.79	10.29	515.287		
1,100.00	1,093.37	930.00	928.88	5.68	5.16	102.94	-773.51	5,226.65	5,306.16	5,295.33	10.83	489.857		
1,200.00	1,192.00	930.00	928.88	6.06	5.16	102.94	-773.51	5,226.65	5,313.54	5,302.33	11.21	473.943		
1,300.00	1,290.63	982.16	980.77	6.45	5.35	103.08	-778.77	5,228.01	5,321.97	5,310.18	11.79	451.382		
1,400.00	1,389.26	1,025.00	1,023.33	6.86	5.51	103.20	-783.16	5,229.97	5,331.92	5,319.57	12.35	431.893		
1,500.00	1,487.88	1,500.00	1,294.47	7.27	7.35	103.84	-801.29	5,240.53	5,341.23	5,326.64	14.58	366.225		
1,600.00	1,586.51	1,357.13	1,354.50	7.69	6.77	103.96	-803.92	5,242.05	5,348.67	5,334.24	14.43	370.620		
1,700.00	1,685.14	1,408.33	1,405.62	8.11	6.98	104.07	-806.21	5,243.93	5,357.16	5,342.12	15.05	356.020		
1,800.00	1,783.77	1,485.00	1,482.09	8.54	7.28	104.25	-810.75	5,246.95	5,366.30	5,350.53	15.77	340.205		
1,900.00	1,882.40	1,608.23	1,605.00	8.97	7.79	104.52	-818.26	5,251.59	5,375.37	5,358.66	16.71	321.777		
2,000.00	1,981.03	2,000.00	1,737.14	9.41	9.43	104.82	-825.53	5,256.10	5,384.07	5,365.31	18.76	286.955		
2,100.00	2,079.66	1,844.70	1,841.05	9.84	8.77	105.04	-830.21	5,259.14	5,392.18	5,373.63	18.55	290.730		
2,200.00	2,178.28	1,927.18	1,923.39	10.29	9.12	105.21	-834.13	5,261.83	5,400.75	5,381.42	19.32	279.473		
2,300.00	2,276.91	1,983.14	1,979.24	10.73	9.36	105.33	-837.00	5,263.84	5,409.83	5,389.84	19.99	270.609		
2,400.00	2,375.54	2,039.00	2,034.96	11.18	9.60	105.45	-840.00	5,266.41	5,419.88	5,399.22	20.66	262.356		
2,500.00	2,474.17	2,117.64	2,113.39	11.62	9.93	105.61	-843.95	5,270.53	5,430.58	5,409.15	21.42	253.472		
2,600.00	2,572.80	2,220.15	2,215.63	12.07	10.37	105.83	-849.10	5,275.87	5,441.36	5,419.06	22.30	243.999		
2,700.00	2,671.43	2,335.96	2,331.06	12.52	10.89	106.09	-856.93	5,281.11	5,451.93	5,428.67	23.25	234.481		
2,800.00	2,770.05	2,423.56	2,418.34	12.97	11.28	106.29	-863.16	5,285.04	5,462.61	5,438.54	24.08	226.880		
2,900.00	2,868.68	2,542.38	2,536.82	13.43	11.81	106.55	-870.36	5,290.40	5,473.18	5,448.13	25.04	218.536		
3,000.00	2,967.31	2,735.21	2,729.18	13.88	12.66	106.97	-882.04	5,296.83	5,482.59	5,456.23	26.36	208.006		
3,100.00	3,065.94	2,843.36	2,836.97	14.34	13.16	107.23	-890.60	5,299.14	5,491.52	5,464.22	27.29	201.199		
3,200.00	3,164.57	2,975.84	2,969.12	14.79	13.75	107.53	-899.44	5,301.65	5,500.00	5,471.66	28.34	194.078		
3,300.00	3,263.20	3,136.55	3,129.64	15.25	14.46	107.86	-906.75	5,304.09	5,507.72	5,478.22	29.50	186.695		
3,400.00	3,361.83	3,316.13	3,309.19	15.71	15.22	108.18	-909.81	5,304.89	5,513.42	5,482.70	30.72	179.454		
3,500.00	3,460.45	3,422.31	3,415.37	16.17	15.66	108.36	-910.47	5,305.16	5,519.07	5,487.44	31.62	174.524		
3,600.00	3,559.08	3,497.00	3,490.05	16.62	15.97	108.49	-910.85	5,305.62	5,525.05	5,492.66	32.39	170.591		
3,700.00	3,657.71	3,568.53	3,561.58	17.08	16.26	108.60	-911.14	5,306.42	5,531.53	5,498.40	33.14	166.938		
3,800.00	3,756.34	3,685.99	3,679.03	17.54	16.75	108.79	-911.47	5,307.81	5,538.12	5,504.05	34.08	162.525		
3,900.00	3,854.97	3,775.31	3,768.35	18.00	17.11	108.94	-911.42	5,308.83	5,544.63	5,509.74	34.89	158.902		
4,000.00	3,953.60	3,876.43	3,869.45	18.46	17.52	109.10	-911.44	5,310.05	5,551.26	5,515.49	35.76	155.223		
4,100.00	4,052.23	3,996.18	3,989.20	18.92	18.02	109.28	-911.40	5,311.13	5,557.61	5,520.89	36.71	151.373		
4,200.00	4,150.85	4,072.49	4,065.51	19.39	18.34	109.41	-911.80	5,311.66	5,563.98	5,526.49	37.49	148.412		
4,300.00	4,249.48	4,231.78	4,224.77	19.85	19.02	109.68	-913.88	5,312.58	5,570.70	5,532.06	38.63	144.190		
4,400.00	4,348.11	4,330.99	4,323.99	20.31	19.43	109.84	-914.05	5,312.57	5,576.38	5,536.87	39.51	141.148		
4,500.00	4,446.74	4,430.75	4,423.74	20.77	19.83	110.00	-914.08	5,312.56	5,582.08	5,541.71	40.37	138.274		
4,600.00	4,545.37	4,568.52	4,561.51	21.23	20.38	110.22	-913.97	5,312.27	5,587.64	5,546.25	41.38	135.017		
4,700.00	4,644.00	4,674.83	4,667.82	21.70	20.79	110.39	-913.75	5,311.45	5,592.63	5,550.36	42.27	132.322		
4,800.00	4,742.63	4,760.77	4,753.75	22.16	21.13	110.53	-913.56	5,310.84	5,597.72	5,554.65	43.07	129.982		
4,900.00	4,841.25	4,836.00	4,828.99	22.62	21.43	110.65	-913.34	5,310.61	5,603.21	5,559.39	43.82	127.869		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,000.00	4,939.88	4,921.23	4,914.22	23.09	21.76	110.78	-912.85	5,310.73	5,609.07	5,564.45	44.61	125.723		
5,100.00	5,038.51	5,046.96	5,039.94	23.55	22.26	110.96	-911.97	5,310.70	5,614.78	5,569.21	45.58	123.198		
5,200.00	5,137.14	5,154.65	5,147.63	24.02	22.69	111.13	-911.69	5,310.20	5,620.26	5,573.79	46.47	120.949		
5,300.00	5,235.77	5,239.68	5,232.66	24.48	23.03	111.27	-911.79	5,309.68	5,625.75	5,578.48	47.28	118.994		
5,400.00	5,334.40	5,322.39	5,315.36	24.94	23.38	111.40	-912.30	5,309.38	5,631.67	5,583.58	48.09	117.118		
5,500.00	5,433.03	5,440.35	5,433.31	25.41	23.88	111.60	-913.42	5,308.83	5,637.65	5,588.59	49.05	114.936		
5,600.00	5,531.65	5,603.01	5,595.94	25.87	24.53	111.84	-910.90	5,307.56	5,642.44	5,592.26	50.18	112.454		
5,700.00	5,630.28	5,688.02	5,680.93	26.34	24.87	111.95	-909.01	5,306.91	5,647.24	5,596.27	50.97	110.785		
5,800.00	5,728.91	5,767.32	5,760.22	26.80	25.19	112.07	-907.98	5,306.27	5,652.32	5,600.57	51.75	109.217		
5,900.00	5,827.54	5,851.48	5,844.38	27.27	25.53	112.20	-907.60	5,305.72	5,657.84	5,605.28	52.56	107.654		
6,000.00	5,926.17	5,951.91	5,944.79	27.73	25.94	112.36	-907.97	5,304.82	5,663.43	5,609.99	53.44	105.985		
6,100.00	6,024.80	6,039.10	6,031.98	28.20	26.31	112.50	-908.61	5,303.98	5,669.12	5,614.85	54.27	104.469		
6,200.00	6,123.43	6,138.13	6,131.00	28.66	26.73	112.67	-909.81	5,303.11	5,675.08	5,619.93	55.15	102.901		
6,272.77	6,195.20	6,196.20	6,189.06	29.00	26.98	112.77	-910.68	5,302.48	5,679.40	5,623.67	55.73	101.905		
6,300.00	6,222.05	6,211.23	6,204.09	29.13	27.04	98.22	-910.83	5,302.40	5,680.56	5,624.64	55.92	101.586		
6,350.00	6,271.23	6,238.81	6,231.67	29.36	27.16	75.66	-910.98	5,302.37	5,679.97	5,623.71	56.26	100.963		
6,400.00	6,319.99	6,288.36	6,281.22	29.58	27.37	60.93	-910.96	5,302.61	5,675.86	5,619.17	56.69	100.125		
6,450.00	6,368.01	6,450.00	6,339.08	29.79	28.04	51.95	-911.02	5,302.55	5,667.83	5,610.25	57.58	98.434		
6,500.00	6,415.02	6,376.68	6,369.54	29.99	27.73	46.32	-911.05	5,302.55	5,666.30	5,598.83	57.47	98.417		
6,550.00	6,460.71	6,394.53	6,387.39	30.18	27.81	42.71	-911.04	5,302.68	5,641.49	5,583.76	57.74	97.714		
6,600.00	6,504.81	6,411.88	6,404.73	30.36	27.88	40.43	-911.00	5,302.90	5,623.47	5,565.49	57.99	96.981		
6,650.00	6,547.04	6,438.00	6,430.85	30.53	27.99	39.11	-910.91	5,303.41	5,602.36	5,544.09	58.27	96.152		
6,700.00	6,587.14	6,438.00	6,430.85	30.69	27.99	38.39	-910.91	5,303.41	5,578.20	5,519.78	58.42	95.487		
6,750.00	6,624.87	6,438.00	6,430.85	30.83	27.99	38.24	-910.91	5,303.41	5,551.27	5,492.71	58.56	94.793		
6,800.00	6,660.00	6,438.00	6,430.85	30.96	27.99	38.61	-910.91	5,303.41	5,521.70	5,463.00	58.70	94.069		
6,850.00	6,692.30	6,438.00	6,430.85	31.07	27.99	39.47	-910.91	5,303.41	5,489.62	5,430.79	58.83	93.315		
6,900.00	6,721.58	6,438.00	6,430.85	31.23	27.99	40.84	-910.91	5,303.41	5,455.20	5,396.24	58.96	92.531		
6,950.00	6,747.66	6,474.49	6,467.31	31.56	28.14	43.11	-910.65	5,304.84	5,417.98	5,358.73	59.26	91.435		
7,000.00	6,770.37	6,479.56	6,472.38	31.92	28.17	45.82	-910.60	5,305.13	5,379.21	5,319.80	59.41	90.550		
7,050.00	6,789.58	6,484.02	6,476.83	32.33	28.18	49.32	-910.56	5,305.40	5,338.63	5,279.08	59.56	89.641		
7,100.00	6,805.17	6,487.82	6,480.62	32.78	28.20	53.80	-910.52	5,305.64	5,296.49	5,236.78	59.71	88.711		
7,150.00	6,817.03	6,490.94	6,483.73	33.27	28.21	59.45	-910.49	5,305.85	5,253.00	5,193.15	59.86	87.760		
7,200.00	6,825.11	6,493.32	6,486.10	33.80	28.22	66.49	-910.46	5,306.02	5,208.42	5,148.41	60.01	86.794		
7,250.00	6,829.35	6,527.00	6,519.66	34.37	28.36	75.89	-910.01	5,308.85	5,163.46	5,103.14	60.32	85.600		
7,273.12	6,830.00	6,527.00	6,519.66	34.65	28.36	80.37	-910.01	5,308.85	5,142.23	5,081.84	60.39	85.147		
7,300.00	6,830.28	6,527.00	6,519.66	34.98	28.36	80.37	-910.01	5,308.85	5,117.50	5,057.03	60.48	84.620		
7,400.00	6,831.31	6,527.00	6,519.66	36.32	28.36	80.37	-910.01	5,308.85	5,025.69	4,964.87	60.82	82.630		
7,500.00	6,832.34	6,527.00	6,519.66	37.83	28.36	80.37	-910.01	5,308.85	4,934.20	4,872.97	61.22	80.593		
7,600.00	6,833.37	6,527.00	6,519.66	39.49	28.36	80.37	-910.01	5,308.85	4,843.04	4,781.35	61.69	78.511		
7,700.00	6,834.40	6,527.00	6,519.66	41.27	28.36	80.37	-910.01	5,308.85	4,752.24	4,690.02	62.21	76.387		
7,800.00	6,835.44	6,527.00	6,519.66	43.17	28.36	80.37	-910.01	5,308.85	4,661.81	4,599.00	62.81	74.223		
7,900.00	6,836.47	6,527.00	6,519.66	45.17	28.36	80.37	-910.01	5,308.85	4,571.78	4,508.31	63.48	72.024		
8,000.00	6,837.50	6,527.00	6,519.66	47.26	28.36	80.37	-910.01	5,308.85	4,482.18	4,417.96	64.22	69.794		
8,100.00	6,838.53	6,527.00	6,519.66	49.43	28.36	80.37	-910.01	5,308.85	4,393.02	4,327.98	65.04	67.539		
8,200.00	6,839.56	6,527.00	6,519.66	51.66	28.36	80.37	-910.01	5,308.85	4,304.35	4,238.39	65.95	65.264		
8,300.00	6,840.59	6,527.00	6,519.66	53.95	28.36	80.37	-910.01	5,308.85	4,216.17	4,149.23	66.95	62.976		
8,400.00	6,841.62	6,527.00	6,519.66	56.29	28.36	80.37	-910.01	5,308.85	4,128.54	4,060.50	68.04	60.680		
8,500.00	6,842.65	6,527.00	6,519.66	58.67	28.36	80.37	-910.01	5,308.85	4,041.48	3,972.26	69.22	58.384		
8,600.00	6,843.68	6,527.00	6,519.66	61.10	28.36	80.37	-910.01	5,308.85	3,955.04	3,884.53	70.51	56.094		
8,700.00	6,844.71	6,527.00	6,519.66	63.56	28.36	80.37	-910.01	5,308.85	3,869.24	3,797.35	71.90	53.817		
8,800.00	6,845.75	6,527.00	6,519.66	66.05	28.36	80.37	-910.01	5,308.85	3,784.15	3,710.75	73.39	51.560		
8,900.00	6,846.78	6,527.00	6,519.66	68.58	28.36	80.37	-910.01	5,308.85	3,699.80	3,624.79	75.00	49.329		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,847.81	6,527.00	6,519.66	71.12	28.36	80.37	-910.01	5,308.85	3,616.25	3,539.52	76.73	47.130		
9,100.00	6,848.84	6,527.00	6,519.66	73.69	28.36	80.37	-910.01	5,308.85	3,533.55	3,454.97	78.58	44.970		
9,200.00	6,849.87	6,527.00	6,519.66	76.28	28.36	80.37	-910.01	5,308.85	3,451.77	3,371.22	80.55	42.854		
9,300.00	6,850.90	6,527.00	6,519.66	78.89	28.36	80.37	-910.01	5,308.85	3,370.97	3,288.32	82.65	40.787		
9,400.00	6,851.93	6,527.00	6,519.66	81.51	28.36	80.37	-910.01	5,308.85	3,291.22	3,206.34	84.88	38.774		
9,500.00	6,852.96	6,527.00	6,519.66	84.15	28.36	80.37	-910.01	5,308.85	3,212.61	3,125.36	87.25	36.820		
9,600.00	6,853.99	6,557.71	6,550.17	86.80	28.49	81.23	-909.49	5,312.35	3,134.72	3,044.77	89.94	34.853		
9,700.00	6,855.03	6,562.03	6,554.45	89.46	28.51	81.35	-909.41	5,312.92	3,058.49	2,965.86	92.62	33.020		
9,800.00	6,856.06	6,566.64	6,559.01	92.14	28.53	81.48	-909.32	5,313.55	2,983.64	2,888.19	95.46	31.256		
9,900.00	6,857.09	6,571.55	6,563.87	94.83	28.55	81.61	-909.23	5,314.25	2,910.29	2,811.84	98.44	29.563		
10,000.00	6,858.12	6,576.81	6,569.07	97.52	28.57	81.76	-909.12	5,315.02	2,838.53	2,736.94	101.58	27.943		
10,100.00	6,859.15	6,582.45	6,574.65	100.23	28.60	81.92	-909.00	5,315.88	2,768.49	2,663.61	104.88	26.397		
10,200.00	6,860.18	6,588.52	6,580.64	102.94	28.62	82.09	-908.88	5,316.85	2,700.30	2,591.98	108.33	24.927		
10,300.00	6,861.21	6,617.00	6,608.66	105.66	28.74	82.88	-908.23	5,321.87	2,634.35	2,522.30	112.05	23.511		
10,400.00	6,862.24	6,617.00	6,608.66	108.39	28.74	82.88	-908.23	5,321.87	2,570.16	2,454.39	115.77	22.201		
10,500.00	6,863.27	6,617.00	6,608.66	111.12	28.74	82.88	-908.23	5,321.87	2,508.32	2,388.69	119.63	20.967		
10,600.00	6,864.30	6,617.00	6,608.66	113.86	28.74	82.88	-908.23	5,321.87	2,449.00	2,325.38	123.62	19.810		
10,700.00	6,865.34	6,617.00	6,608.66	116.60	28.74	82.88	-908.23	5,321.87	2,392.40	2,264.66	127.74	18.729		
10,800.00	6,866.37	6,617.00	6,608.66	119.35	28.74	82.88	-908.23	5,321.87	2,338.70	2,206.75	131.95	17.724		
10,900.00	6,867.40	6,643.67	6,634.76	122.11	28.86	83.62	-907.59	5,327.36	2,287.74	2,151.33	136.41	16.770		
11,000.00	6,868.43	6,653.90	6,644.71	124.87	28.90	83.90	-907.36	5,329.67	2,240.16	2,099.31	140.85	15.905		
11,100.00	6,869.46	6,665.16	6,655.65	127.63	28.95	84.22	-907.10	5,332.34	2,195.98	2,050.66	145.32	15.111		
11,200.00	6,870.49	6,677.63	6,667.72	130.40	29.00	84.56	-906.82	5,335.47	2,155.41	2,005.59	149.81	14.387		
11,300.00	6,871.52	6,706.00	6,695.00	133.17	29.12	85.34	-906.21	5,343.21	2,118.71	1,964.34	154.36	13.726		
11,400.00	6,872.55	6,706.00	6,695.00	135.94	29.12	85.34	-906.21	5,343.21	2,085.76	1,927.06	158.70	13.143		
11,500.00	6,873.58	6,726.09	6,714.18	138.72	29.21	85.89	-905.78	5,349.19	2,057.00	1,893.96	163.04	12.616		
11,600.00	6,874.62	6,747.40	6,734.39	141.50	29.30	86.47	-905.34	5,355.93	2,032.45	1,865.20	167.25	12.152		
11,700.00	6,875.65	6,771.48	6,757.05	144.28	29.40	87.12	-904.84	5,364.05	2,012.19	1,840.89	171.30	11.747		
11,800.00	6,876.68	6,795.00	6,779.00	147.07	29.50	87.75	-904.37	5,372.49	1,996.28	1,821.16	175.12	11.399		
11,900.00	6,877.71	6,819.36	6,801.46	149.85	29.61	88.40	-903.95	5,381.90	1,984.83	1,806.12	178.71	11.106		
12,000.00	6,878.74	6,844.73	6,824.48	152.65	29.72	89.07	-903.66	5,392.57	1,977.89	1,795.86	182.03	10.866		
12,100.00	6,879.77	6,883.00	6,858.37	155.44	29.90	90.04	-903.51	5,410.32	1,975.39	1,790.24	185.14	10.670		
12,111.33	6,879.89	6,883.00	6,858.37	155.76	29.90	90.04	-903.51	5,410.32	1,975.35	1,789.91	185.45	10.652 CC		
12,200.00	6,880.80	6,902.47	6,875.25	158.23	29.99	90.53	-903.62	5,420.02	1,977.16	1,789.33	187.83	10.526		
12,300.00	6,881.83	6,930.57	6,899.26	161.03	30.13	91.22	-904.12	5,434.62	1,983.30	1,793.02	190.28	10.423		
12,400.00	6,882.86	6,972.00	6,933.83	163.83	30.35	92.21	-905.58	5,457.39	1,993.68	1,801.12	192.57	10.353		
12,500.00	6,883.89	7,226.92	7,114.00	166.63	32.17	97.34	-906.25	5,635.19	2,001.84	1,804.82	197.02	10.161		
12,600.00	6,884.93	7,339.77	7,165.04	169.43	33.38	98.75	-907.19	5,735.66	2,010.08	1,809.58	200.49	10.026		
12,700.00	6,885.96	7,404.84	7,188.72	172.24	34.26	99.39	-908.91	5,796.24	2,019.13	1,815.60	203.53	9.920		
12,800.00	6,886.99	7,632.62	7,230.56	175.04	38.01	100.45	-918.36	6,018.59	2,027.73	1,817.45	210.29	9.643		
12,900.00	6,888.02	7,752.00	7,228.12	177.85	40.34	100.32	-921.88	6,137.89	2,030.38	1,814.90	215.48	9.423		
13,000.00	6,889.05	7,900.82	7,226.45	180.66	43.59	100.22	-923.54	6,286.68	2,031.25	1,809.65	221.60	9.166		
13,100.00	6,890.08	7,963.98	7,225.75	183.47	45.06	100.18	-924.40	6,349.83	2,032.60	1,806.81	225.80	9.002		
13,200.00	6,891.11	8,171.01	7,227.40	186.28	50.18	100.19	-919.79	6,556.66	2,029.23	1,795.62	233.61	8.686		
13,300.00	6,892.14	8,224.83	7,228.31	189.10	51.58	100.20	-918.88	6,610.45	2,027.75	1,789.91	237.84	8.526		
13,400.00	6,893.17	8,332.15	7,229.73	191.91	54.44	100.21	-917.01	6,717.74	2,026.47	1,783.04	243.43	8.325		
13,500.00	6,894.21	8,417.76	7,230.19	194.73	56.78	100.21	-916.14	6,803.35	2,025.78	1,777.24	248.54	8.151		
13,574.81	6,894.98	8,484.50	7,230.72	196.83	58.64	100.20	-915.74	6,870.09	2,025.61	1,773.16	252.45	8.024		
13,600.00	6,895.24	8,505.77	7,230.95	197.54	59.24	100.20	-915.68	6,891.36	2,025.64	1,771.89	253.74	7.983		
13,700.00	6,896.27	8,596.92	7,232.17	200.36	61.82	100.21	-915.73	6,982.49	2,026.15	1,767.08	259.07	7.821		
13,800.00	6,897.30	8,684.16	7,232.60	203.18	64.34	100.19	-916.13	7,069.74	2,026.93	1,762.61	264.32	7.668		
13,900.00	6,898.33	8,793.50	7,232.41	206.00	67.53	100.14	-917.64	7,179.07	2,028.53	1,758.23	270.30	7.505		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	6,899.36	8,906.47	7,231.09	208.82	70.87	100.07	-917.90	7,292.03	2,028.74	1,752.30	276.44	7.339		
14,100.00	6,900.39	9,023.18	7,231.26	211.64	74.37	100.04	-917.17	7,408.73	2,028.36	1,745.66	282.69	7.175		
14,200.00	6,901.42	9,122.50	7,231.66	214.46	77.37	100.03	-916.40	7,508.05	2,027.89	1,739.43	288.46	7.030		
14,300.00	6,902.45	9,284.33	7,230.95	217.28	82.30	99.98	-912.99	7,669.83	2,026.10	1,730.13	295.98	6.846		
14,400.00	6,903.48	9,319.41	7,230.57	220.11	83.38	99.96	-912.55	7,704.91	2,024.33	1,724.31	300.02	6.747		
14,417.95	6,903.67	9,327.78	7,230.45	220.61	83.64	99.95	-912.53	7,713.27	2,024.29	1,723.51	300.78	6.730		
14,500.00	6,904.52	9,378.11	7,229.59	222.93	85.19	99.91	-913.16	7,763.59	2,025.13	1,720.54	304.60	6.649		
14,600.00	6,905.55	9,498.62	7,228.61	225.76	88.93	99.84	-914.26	7,884.09	2,026.11	1,714.94	311.16	6.511		
14,700.00	6,906.58	9,603.81	7,227.31	228.58	92.22	99.77	-914.64	7,989.28	2,026.47	1,709.22	317.25	6.388		
14,800.00	6,907.61	9,722.51	7,225.55	231.41	95.94	99.68	-914.56	8,107.96	2,026.40	1,702.62	323.78	6.259		
14,871.05	6,908.34	9,781.03	7,224.51	233.42	97.78	99.64	-914.47	8,166.47	2,026.23	1,698.60	327.63	6.185		
14,900.00	6,908.64	9,806.82	7,223.95	234.24	98.59	99.61	-914.53	8,192.25	2,026.26	1,697.00	329.26	6.154		
15,000.00	6,909.67	9,917.01	7,221.62	237.06	102.07	99.51	-914.51	8,302.42	2,026.13	1,690.56	335.57	6.038		
15,100.00	6,910.70	10,042.97	7,220.45	239.89	106.06	99.45	-913.51	8,428.37	2,025.50	1,683.17	342.33	5.917		
15,200.00	6,911.73	10,135.11	7,220.68	242.72	108.99	99.43	-911.60	8,520.48	2,023.76	1,675.72	348.04	5.815		
15,300.00	6,912.76	10,222.13	7,221.35	245.55	111.76	99.43	-910.56	8,607.49	2,022.92	1,669.32	353.60	5.721		
15,376.54	6,913.55	10,286.64	7,221.97	247.72	113.82	99.43	-910.06	8,672.00	2,022.66	1,664.87	357.78	5.653		
15,400.00	6,913.80	10,305.34	7,222.11	248.38	114.42	99.43	-910.02	8,690.70	2,022.68	1,663.65	359.03	5.634		
15,500.00	6,914.83	10,395.53	7,222.75	251.21	117.31	99.42	-910.24	8,780.89	2,023.27	1,658.58	364.69	5.548		
15,600.00	6,915.86	10,490.18	7,223.82	254.04	120.35	99.42	-910.63	8,875.53	2,024.10	1,653.62	370.48	5.463		
15,700.00	6,916.89	10,577.91	7,224.60	256.88	123.17	99.41	-911.39	8,963.26	2,025.35	1,649.30	376.05	5.386		
15,800.00	6,917.92	10,692.33	7,224.74	259.71	126.86	99.37	-912.76	9,077.67	2,026.81	1,644.25	382.56	5.298		
15,900.00	6,918.95	10,827.16	7,223.74	262.54	131.21	99.30	-912.30	9,212.48	2,026.51	1,636.78	389.72	5.200		
16,000.00	6,919.98	10,921.69	7,222.54	265.37	134.26	99.25	-911.50	9,307.00	2,025.72	1,630.11	395.61	5.121		
16,100.00	6,921.01	11,022.41	7,222.26	268.21	137.52	99.21	-910.85	9,407.72	2,025.27	1,623.61	401.66	5.042		
16,168.69	6,921.72	11,078.89	7,221.96	270.15	139.35	99.19	-910.45	9,464.20	2,024.94	1,619.51	405.43	4.995		
16,200.00	6,922.04	11,098.87	7,221.95	271.04	140.00	99.18	-910.46	9,484.19	2,025.02	1,618.08	406.94	4.976		
16,300.00	6,923.08	11,208.61	7,222.84	273.88	143.56	99.17	-911.16	9,593.91	2,026.09	1,612.80	413.29	4.902		
16,400.00	6,924.11	11,328.20	7,224.67	276.71	147.45	99.19	-909.87	9,713.48	2,025.48	1,605.58	419.90	4.824		
16,500.00	6,925.14	11,427.09	7,224.92	279.55	150.66	99.17	-908.61	9,812.37	2,024.50	1,598.60	425.90	4.753		
16,574.05	6,925.90	11,484.28	7,224.36	281.65	152.52	99.14	-908.31	9,869.55	2,024.19	1,594.33	429.86	4.709		
16,600.00	6,926.17	11,506.19	7,224.10	282.38	153.23	99.12	-908.33	9,891.45	2,024.22	1,592.91	431.31	4.693		
16,700.00	6,927.20	11,609.72	7,222.83	285.22	156.61	99.06	-908.47	9,994.98	2,024.41	1,586.89	437.52	4.627		
16,800.00	6,928.23	11,722.89	7,221.51	288.05	160.30	98.99	-907.98	10,108.14	2,024.03	1,579.99	444.04	4.558		
16,900.00	6,929.26	11,834.91	7,220.54	290.89	163.95	98.93	-906.87	10,220.15	2,023.17	1,572.67	450.50	4.491		
17,000.00	6,930.29	11,948.80	7,218.27	293.73	167.67	98.84	-905.05	10,334.00	2,021.51	1,564.48	457.03	4.423		
17,055.61	6,930.87	11,966.00	7,217.82	295.30	168.23	98.82	-904.74	10,351.19	2,020.82	1,561.58	459.24	4.400		
17,100.00	6,931.32	11,966.00	7,217.82	296.56	168.23	98.82	-904.74	10,351.19	2,021.31	1,560.94	460.37	4.391 ES		
17,200.00	6,932.35	11,966.00	7,217.82	299.40	168.23	98.82	-904.74	10,351.19	2,025.97	1,563.84	462.13	4.384 SF		
17,300.00	6,933.39	11,966.00	7,217.82	302.24	168.23	98.82	-904.74	10,351.19	2,035.55	1,572.76	462.79	4.398		
17,400.00	6,934.42	11,966.00	7,217.82	305.08	168.23	98.82	-904.74	10,351.19	2,049.96	1,587.59	462.37	4.434		
17,500.00	6,935.45	11,966.00	7,217.82	307.92	168.23	98.82	-904.74	10,351.19	2,069.11	1,608.18	460.93	4.489		
17,553.57	6,936.00	11,966.00	7,217.82	309.44	168.23	98.82	-904.74	10,351.19	2,081.27	1,621.52	459.75	4.527		
17,553.96	6,936.00	11,966.00	7,217.82	309.45	168.23	98.82	-904.74	10,351.19	2,081.36	1,621.62	459.74	4.527		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	97.67	-709.45	5,270.32	5,317.90					
100.00	100.00	87.24	87.24	3.28	3.29	97.67	-709.44	5,270.23	5,317.78	5,311.21	6.57	809.366		
200.00	200.00	187.46	187.45	3.34	3.34	97.66	-709.23	5,270.07	5,317.59	5,310.91	6.68	796.046		
300.00	300.00	287.75	287.75	3.44	3.45	97.66	-708.68	5,269.93	5,317.38	5,310.48	6.90	770.750		
323.98	323.98	309.95	309.95	3.48	3.49	101.62	-708.57	5,269.90	5,317.35	5,310.39	6.96	763.535		
400.00	399.98	389.54	389.54	3.60	3.62	101.63	-708.37	5,269.82	5,317.58	5,310.36	7.22	736.446		
500.00	499.84	506.17	506.17	3.81	3.86	101.69	-708.58	5,269.21	5,318.13	5,310.47	7.66	694.213		
600.00	599.45	588.93	588.92	4.06	4.05	101.74	-708.79	5,268.81	5,319.47	5,311.37	8.10	656.919		
700.00	698.70	659.90	659.89	4.34	4.24	101.77	-708.15	5,268.91	5,321.99	5,313.43	8.56	621.941		
775.00	772.83	708.46	708.43	4.57	4.37	101.79	-707.17	5,269.31	5,324.75	5,315.84	8.92	597.107		
800.00	797.48	724.64	724.61	4.65	4.42	101.81	-706.74	5,269.51	5,325.83	5,316.78	9.04	588.984		
900.00	896.11	836.33	836.20	4.97	4.76	101.95	-702.16	5,271.21	5,330.22	5,320.51	9.71	549.036		
1,000.00	994.74	931.96	931.54	5.31	5.07	102.04	-695.13	5,272.93	5,334.43	5,324.05	10.37	514.342		
1,100.00	1,093.37	1,028.12	1,027.15	5.68	5.40	102.10	-685.13	5,275.15	5,338.72	5,327.64	11.08	482.017		
1,200.00	1,192.00	1,133.91	1,132.05	6.06	5.80	102.14	-671.74	5,277.90	5,342.96	5,331.10	11.85	450.730		
1,300.00	1,290.63	1,300.00	1,262.51	6.45	6.47	102.18	-654.77	5,281.01	5,346.97	5,334.06	12.91	414.106		
1,400.00	1,389.26	1,493.84	1,488.97	6.86	7.28	102.26	-625.77	5,283.06	5,349.71	5,335.58	14.13	378.487		
1,500.00	1,487.88	1,585.46	1,580.04	7.27	7.68	102.32	-615.71	5,282.52	5,351.06	5,336.12	14.94	358.238		
1,600.00	1,586.51	1,665.01	1,658.95	7.69	8.03	102.35	-605.72	5,282.42	5,352.64	5,336.94	15.71	340.816		
1,700.00	1,685.14	1,712.64	1,706.11	8.11	8.24	102.36	-599.05	5,282.77	5,354.88	5,338.54	16.34	327.646		
1,800.00	1,783.77	1,762.00	1,754.99	8.54	8.47	102.37	-592.23	5,283.65	5,358.14	5,341.15	16.99	315.285		
1,900.00	1,882.40	1,814.99	1,807.41	8.97	8.72	102.38	-584.63	5,285.14	5,362.31	5,344.64	17.67	303.457		
2,000.00	1,981.03	1,973.51	1,963.91	9.41	9.47	102.38	-559.82	5,289.63	5,366.38	5,347.52	18.86	284.464		
2,100.00	2,079.66	2,038.00	2,027.66	9.84	9.78	102.39	-550.25	5,291.47	5,370.43	5,350.82	19.61	273.847		
2,200.00	2,178.28	2,070.31	2,059.61	10.29	9.94	102.40	-545.63	5,292.67	5,375.32	5,355.12	20.20	266.098		
2,300.00	2,276.91	2,130.00	2,118.65	10.73	10.23	102.41	-537.22	5,295.31	5,381.13	5,360.21	20.93	257.162		
2,400.00	2,375.54	2,260.84	2,248.21	11.18	10.85	102.44	-519.67	5,300.19	5,386.22	5,364.22	22.00	244.811		
2,500.00	2,474.17	2,315.00	2,301.83	11.62	11.11	102.45	-512.50	5,302.79	5,392.41	5,369.71	22.70	237.533		
2,600.00	2,572.80	2,438.90	2,424.44	12.07	11.72	102.48	-495.55	5,308.25	5,398.24	5,374.48	23.76	227.213		
2,700.00	2,671.43	2,499.00	2,483.80	12.52	12.02	102.48	-486.78	5,311.60	5,404.93	5,380.43	24.50	220.619		
2,800.00	2,770.05	2,641.06	2,624.16	12.97	12.73	102.50	-466.19	5,319.21	5,411.82	5,386.15	25.67	210.853		
2,900.00	2,868.68	2,768.30	2,750.02	13.43	13.37	102.52	-448.32	5,324.50	5,417.41	5,390.65	26.76	202.469		
3,000.00	2,967.31	2,891.98	2,872.69	13.88	13.96	102.57	-433.22	5,328.71	5,422.52	5,394.71	27.81	194.978		
3,100.00	3,065.94	3,036.09	3,016.30	14.34	14.62	102.69	-421.86	5,332.20	5,427.48	5,398.56	28.92	187.669		
3,200.00	3,164.57	3,132.87	3,113.00	14.79	15.02	102.81	-418.30	5,333.17	5,431.60	5,401.83	29.78	182.406		
3,300.00	3,263.20	3,219.15	3,199.27	15.25	15.34	102.96	-418.46	5,333.70	5,435.98	5,405.42	30.56	177.903		
3,400.00	3,361.83	3,378.70	3,358.80	15.71	15.91	103.26	-421.41	5,333.45	5,439.89	5,408.30	31.59	172.218		
3,500.00	3,460.45	3,534.83	3,514.91	16.17	16.50	103.54	-422.59	5,331.95	5,442.97	5,410.34	32.63	166.817		
3,600.00	3,559.08	3,619.56	3,599.63	16.62	16.82	103.69	-422.45	5,330.58	5,445.32	5,411.91	33.41	162.961		
3,700.00	3,657.71	3,675.00	3,655.07	17.08	17.04	103.78	-422.23	5,330.30	5,448.62	5,414.53	34.09	159.836		
3,800.00	3,756.34	3,795.43	3,775.50	17.54	17.52	103.97	-421.62	5,329.97	5,452.31	5,417.28	35.03	155.649		
3,900.00	3,854.97	3,917.90	3,897.95	18.00	18.01	104.18	-421.36	5,328.64	5,455.23	5,419.26	35.97	151.648		
4,000.00	3,953.60	4,009.61	3,989.66	18.46	18.37	104.33	-421.03	5,327.62	5,458.17	5,421.38	36.80	148.336		
4,100.00	4,052.23	4,096.77	4,076.82	18.92	18.71	104.48	-420.97	5,326.76	5,461.34	5,423.74	37.60	145.253		
4,200.00	4,150.85	4,172.49	4,152.53	19.39	19.01	104.61	-421.37	5,326.14	5,464.84	5,426.49	38.35	142.497		
4,300.00	4,249.48	4,252.94	4,232.98	19.85	19.32	104.75	-421.92	5,325.85	5,468.83	5,429.72	39.12	139.800		
4,400.00	4,348.11	4,337.98	4,318.02	20.31	19.65	104.90	-422.13	5,325.79	5,473.10	5,433.19	39.91	137.144		
4,500.00	4,446.74	4,425.07	4,405.11	20.77	19.99	105.04	-422.24	5,326.01	5,477.69	5,436.99	40.71	134.564		
4,600.00	4,545.37	4,523.71	4,503.74	21.23	20.38	105.21	-422.38	5,326.32	5,482.40	5,440.84	41.56	131.929		
4,700.00	4,644.00	4,598.51	4,578.55	21.70	20.68	105.33	-422.34	5,326.66	5,487.27	5,444.96	42.31	129.689		
4,800.00	4,742.63	4,656.00	4,636.03	22.16	20.91	105.42	-421.84	5,327.45	5,492.87	5,449.88	43.00	127.756		
4,900.00	4,841.25	4,813.01	4,792.97	22.62	21.58	105.64	-418.22	5,330.16	5,498.70	5,454.57	44.13	124.594		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,000.00	4,939.88	4,879.12	4,859.05	23.09	21.85	105.73	-416.41	5,330.90	5,503.83	5,458.97	44.86	122.677		
5,100.00	5,038.51	4,941.69	4,921.61	23.55	22.11	105.83	-416.17	5,331.95	5,509.89	5,464.32	45.57	120.906		
5,200.00	5,137.14	5,128.37	5,108.23	24.02	22.84	106.18	-420.52	5,332.56	5,515.25	5,468.47	46.78	117.896		
5,300.00	5,235.77	5,244.41	5,224.25	24.48	23.29	106.39	-422.79	5,331.93	5,519.83	5,472.13	47.70	115.723		
5,400.00	5,334.40	5,382.68	5,362.49	24.94	23.83	106.65	-425.36	5,330.67	5,524.12	5,475.41	48.71	113.407		
5,500.00	5,433.03	5,478.46	5,458.26	25.41	24.22	106.82	-426.50	5,329.54	5,528.04	5,478.48	49.56	111.553		
5,600.00	5,531.65	5,548.00	5,527.79	25.87	24.50	106.95	-427.29	5,328.79	5,532.16	5,481.87	50.29	110.001		
5,700.00	5,630.28	5,600.78	5,580.56	26.34	24.71	107.04	-428.17	5,328.53	5,537.02	5,486.07	50.95	108.667		
5,800.00	5,728.91	5,654.11	5,633.87	26.80	24.92	107.14	-429.51	5,328.77	5,542.90	5,491.29	51.61	107.390		
5,900.00	5,827.54	5,767.44	5,747.15	27.27	25.37	107.36	-432.75	5,329.47	5,549.16	5,496.63	52.53	105.638		
6,000.00	5,926.17	6,006.50	5,986.12	27.73	26.32	107.81	-438.91	5,327.87	5,554.44	5,500.47	53.97	102.908		
6,100.00	6,024.80	6,090.63	6,070.22	28.20	26.66	107.96	-440.21	5,326.44	5,558.27	5,503.49	54.78	101.469		
6,200.00	6,123.43	6,162.39	6,141.97	28.66	26.96	108.09	-440.98	5,325.51	5,562.44	5,506.91	55.53	100.170		
6,272.77	6,195.20	6,268.19	6,247.76	29.00	27.39	108.27	-441.93	5,324.19	5,565.53	5,509.22	56.31	98.846		
6,300.00	6,222.05	6,262.00	6,241.57	29.13	27.37	93.71	-441.84	5,324.30	5,566.12	5,509.72	56.40	98.689		
6,350.00	6,271.23	6,298.38	6,277.95	29.36	27.51	71.19	-442.32	5,323.83	5,564.34	5,507.57	56.77	98.008		
6,400.00	6,319.99	6,320.65	6,300.22	29.58	27.61	56.41	-442.57	5,323.70	5,559.07	5,501.99	57.08	97.389		
6,450.00	6,368.01	6,351.00	6,330.56	29.79	27.73	47.33	-442.84	5,323.71	5,550.30	5,492.89	57.41	96.673		
6,500.00	6,415.02	6,368.97	6,348.53	29.99	27.80	41.60	-442.97	5,323.80	5,538.03	5,480.34	57.68	96.010		
6,550.00	6,460.71	6,397.57	6,377.13	30.18	27.92	37.93	-443.14	5,324.03	5,522.31	5,464.32	57.99	95.232		
6,600.00	6,504.81	6,425.30	6,404.86	30.36	28.03	35.58	-443.27	5,324.36	5,503.23	5,444.95	58.28	94.427		
6,650.00	6,547.04	6,441.00	6,420.56	30.53	28.10	34.08	-443.33	5,324.58	5,480.89	5,422.38	58.51	93.677		
6,700.00	6,587.14	6,441.00	6,420.56	30.69	28.10	33.21	-443.33	5,324.58	5,455.58	5,396.92	58.65	93.011		
6,750.00	6,624.87	6,441.00	6,420.56	30.83	28.10	32.87	-443.33	5,324.58	5,427.44	5,368.65	58.79	92.317		
6,800.00	6,660.00	6,474.28	6,453.83	30.96	28.24	33.21	-443.34	5,325.44	5,396.20	5,337.12	59.08	91.343		
6,850.00	6,692.30	6,482.82	6,462.36	31.07	28.27	33.90	-443.32	5,325.77	5,362.57	5,303.33	59.24	90.526		
6,900.00	6,721.58	6,490.72	6,470.26	31.23	28.31	35.11	-443.28	5,326.11	5,326.52	5,267.13	59.39	89.687		
6,950.00	6,747.66	6,497.93	6,477.46	31.56	28.34	36.89	-443.24	5,326.46	5,288.24	5,228.71	59.53	88.827		
7,000.00	6,770.37	6,530.00	6,509.46	31.92	28.47	39.63	-442.93	5,328.40	5,248.17	5,188.38	59.80	87.768		
7,050.00	6,789.58	6,530.00	6,509.46	32.33	28.47	42.95	-442.93	5,328.40	5,205.95	5,146.05	59.90	86.911		
7,100.00	6,805.17	6,530.00	6,509.46	32.78	28.47	47.40	-442.93	5,328.40	5,162.17	5,102.17	60.00	86.033		
7,150.00	6,817.03	6,530.00	6,509.46	33.27	28.47	53.33	-442.93	5,328.40	5,117.07	5,056.97	60.10	85.136		
7,200.00	6,825.11	6,530.00	6,509.46	33.80	28.47	61.21	-442.93	5,328.40	5,070.90	5,010.69	60.21	84.223		
7,250.00	6,829.35	6,530.00	6,509.46	34.37	28.47	71.49	-442.93	5,328.40	5,023.91	4,963.60	60.31	83.298		
7,273.12	6,830.00	6,530.00	6,509.46	34.65	28.47	77.11	-442.93	5,328.40	5,001.98	4,941.62	60.36	82.865		
7,300.00	6,830.28	6,530.00	6,509.46	34.98	28.47	77.11	-442.93	5,328.40	4,976.44	4,916.02	60.42	82.362		
7,400.00	6,831.31	6,530.00	6,509.46	36.32	28.47	77.11	-442.93	5,328.40	4,881.54	4,820.88	60.66	80.475		
7,500.00	6,832.34	6,530.00	6,509.46	37.83	28.47	77.11	-442.93	5,328.40	4,786.85	4,725.91	60.93	78.557		
7,600.00	6,833.37	6,530.00	6,509.46	39.49	28.47	77.11	-442.93	5,328.40	4,692.37	4,631.12	61.25	76.608		
7,700.00	6,834.40	6,530.00	6,509.46	41.27	28.47	77.11	-442.93	5,328.40	4,598.13	4,536.52	61.61	74.628		
7,800.00	6,835.44	6,530.00	6,509.46	43.17	28.47	77.11	-442.93	5,328.40	4,504.14	4,442.11	62.02	72.619		
7,900.00	6,836.47	6,530.00	6,509.46	45.17	28.47	77.11	-442.93	5,328.40	4,410.41	4,347.92	62.49	70.582		
8,000.00	6,837.50	6,530.00	6,509.46	47.26	28.47	77.11	-442.93	5,328.40	4,316.96	4,253.96	63.00	68.519		
8,100.00	6,838.53	6,530.00	6,509.46	49.43	28.47	77.11	-442.93	5,328.40	4,223.82	4,160.24	63.58	66.431		
8,200.00	6,839.56	6,530.00	6,509.46	51.66	28.47	77.11	-442.93	5,328.40	4,130.99	4,066.77	64.22	64.322		
8,300.00	6,840.59	6,530.00	6,509.46	53.95	28.47	77.11	-442.93	5,328.40	4,038.51	3,973.57	64.93	62.194		
8,400.00	6,841.62	6,530.00	6,509.46	56.29	28.47	77.11	-442.93	5,328.40	3,946.39	3,880.67	65.72	60.051		
8,500.00	6,842.65	6,530.00	6,509.46	58.67	28.47	77.11	-442.93	5,328.40	3,854.67	3,788.09	66.58	57.896		
8,600.00	6,843.68	6,530.00	6,509.46	61.10	28.47	77.11	-442.93	5,328.40	3,763.36	3,695.84	67.52	55.734		
8,700.00	6,844.71	6,530.00	6,509.46	63.56	28.47	77.11	-442.93	5,328.40	3,672.52	3,603.96	68.56	53.569		
8,800.00	6,845.75	6,530.00	6,509.46	66.05	28.47	77.11	-442.93	5,328.40	3,582.15	3,512.47	69.68	51.405		
8,900.00	6,846.78	6,530.00	6,509.46	68.58	28.47	77.11	-442.93	5,328.40	3,492.32	3,421.40	70.91	49.248		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,847.81	6,530.00	6,509.46	71.12	28.47	77.11	-442.93	5,328.40	3,403.05	3,330.80	72.25	47.103		
9,100.00	6,848.84	6,530.00	6,509.46	73.69	28.47	77.11	-442.93	5,328.40	3,314.39	3,240.70	73.69	44.975		
9,200.00	6,849.87	6,530.00	6,509.46	76.28	28.47	77.11	-442.93	5,328.40	3,226.40	3,151.14	75.26	42.870		
9,300.00	6,850.90	6,563.01	6,542.33	78.89	28.61	78.29	-442.49	5,331.41	3,138.37	3,061.21	77.16	40.673		
9,400.00	6,851.93	6,565.91	6,545.21	81.51	28.62	78.40	-442.44	5,331.74	3,051.74	2,972.73	79.01	38.625		
9,500.00	6,852.96	6,568.98	6,548.26	84.15	28.64	78.51	-442.40	5,332.10	2,965.94	2,884.94	81.00	36.615		
9,600.00	6,853.99	6,572.25	6,551.51	86.80	28.65	78.62	-442.35	5,332.49	2,881.04	2,797.89	83.15	34.650		
9,700.00	6,855.03	6,575.73	6,554.96	89.46	28.67	78.75	-442.29	5,332.93	2,797.12	2,711.67	85.45	32.733		
9,800.00	6,856.06	6,579.44	6,558.64	92.14	28.68	78.88	-442.23	5,333.41	2,714.28	2,626.35	87.93	30.870		
9,900.00	6,857.09	6,583.41	6,562.57	94.83	28.70	79.03	-442.17	5,333.95	2,632.60	2,542.03	90.58	29.065		
10,000.00	6,858.12	6,587.66	6,566.78	97.52	28.72	79.18	-442.10	5,334.54	2,552.21	2,458.80	93.42	27.321		
10,100.00	6,859.15	6,619.00	6,597.70	100.23	28.85	80.31	-441.53	5,339.61	2,473.70	2,377.09	96.61	25.604		
10,200.00	6,860.18	6,619.00	6,597.70	102.94	28.85	80.31	-441.53	5,339.61	2,396.09	2,296.27	99.82	24.004		
10,300.00	6,861.21	6,619.00	6,597.70	105.66	28.85	80.31	-441.53	5,339.61	2,320.19	2,216.95	103.24	22.474		
10,400.00	6,862.24	6,619.00	6,597.70	108.39	28.85	80.31	-441.53	5,339.61	2,246.18	2,139.31	106.87	21.019		
10,500.00	6,863.27	6,619.00	6,597.70	111.12	28.85	80.31	-441.53	5,339.61	2,174.24	2,063.53	110.71	19.639		
10,600.00	6,864.30	6,619.00	6,597.70	113.86	28.85	80.31	-441.53	5,339.61	2,104.61	1,989.84	114.77	18.338		
10,700.00	6,865.34	6,619.00	6,597.70	116.60	28.85	80.31	-441.53	5,339.61	2,037.50	1,918.46	119.03	17.117		
10,800.00	6,866.37	6,619.00	6,597.70	119.35	28.85	80.31	-441.53	5,339.61	1,973.18	1,849.68	123.50	15.977		
10,900.00	6,867.40	6,619.00	6,597.70	122.11	28.85	80.31	-441.53	5,339.61	1,911.93	1,783.77	128.16	14.919		
11,000.00	6,868.43	6,649.85	6,628.00	124.87	28.98	81.42	-441.30	5,345.42	1,853.36	1,720.10	133.26	13.908		
11,100.00	6,869.46	6,657.62	6,635.61	127.63	29.01	81.70	-441.37	5,346.95	1,798.77	1,660.47	138.31	13.006		
11,200.00	6,870.49	6,665.66	6,643.48	130.40	29.04	82.00	-441.48	5,348.55	1,748.11	1,604.66	143.46	12.186		
11,300.00	6,871.52	6,673.97	6,651.62	133.17	29.08	82.30	-441.65	5,350.25	1,701.73	1,553.07	148.66	11.447		
11,400.00	6,872.55	6,682.57	6,660.03	135.94	29.12	82.61	-441.89	5,352.04	1,659.96	1,506.11	153.86	10.789		
11,500.00	6,873.58	6,708.00	6,684.84	138.72	29.22	83.54	-442.93	5,357.51	1,623.38	1,464.22	159.17	10.199		
11,600.00	6,874.62	6,708.00	6,684.84	141.50	29.22	83.54	-442.93	5,357.51	1,591.74	1,427.74	164.01	9.705		
11,700.00	6,875.65	6,708.00	6,684.84	144.28	29.22	83.54	-442.93	5,357.51	1,565.86	1,397.29	168.57	9.289		
11,800.00	6,876.68	6,727.39	6,703.68	147.07	29.30	84.25	-443.94	5,361.98	1,545.85	1,372.79	173.06	8.933		
11,900.00	6,877.71	6,745.62	6,721.31	149.85	29.37	84.91	-444.92	5,366.52	1,531.84	1,354.73	177.11	8.649		
12,000.00	6,878.74	6,766.66	6,741.55	152.65	29.46	85.67	-446.10	5,372.17	1,523.93	1,343.23	180.70	8.433		
12,079.58	6,879.56	6,785.86	6,759.89	154.87	29.53	86.36	-447.22	5,377.70	1,522.00	1,338.79	183.21	8.307 CC		
12,100.00	6,879.77	6,791.19	6,764.97	155.44	29.56	86.55	-447.54	5,379.29	1,522.13	1,338.33	183.80	8.281		
12,200.00	6,880.80	6,833.69	6,804.95	158.23	29.73	88.05	-450.02	5,393.47	1,526.23	1,339.62	186.62	8.178		
12,300.00	6,881.83	7,127.95	7,038.30	161.03	31.24	96.74	-449.15	5,567.28	1,532.48	1,341.09	191.39	8.007		
12,400.00	6,882.86	7,282.55	7,131.35	163.83	32.62	100.20	-436.68	5,689.81	1,533.90	1,339.47	194.43	7.889		
12,461.69	6,883.50	7,356.89	7,165.23	165.56	33.47	101.46	-429.95	5,755.58	1,533.79	1,337.42	196.37	7.811		
12,500.00	6,883.89	7,389.36	7,177.01	166.63	33.89	101.90	-427.54	5,785.73	1,533.90	1,336.32	197.58	7.763		
12,600.00	6,884.93	7,457.14	7,195.79	169.43	34.82	102.58	-424.23	5,850.74	1,535.34	1,334.64	200.70	7.650		
12,700.00	6,885.96	7,537.57	7,212.04	172.24	36.08	103.15	-423.26	5,929.49	1,538.88	1,334.69	204.19	7.537		
12,800.00	6,886.99	7,667.55	7,227.32	175.04	38.41	103.64	-424.16	6,058.50	1,542.57	1,333.49	209.08	7.378		
12,900.00	6,888.02	7,797.57	7,232.70	177.85	41.00	103.78	-424.22	6,188.39	1,543.71	1,329.32	214.39	7.200		
13,000.00	6,889.05	7,915.78	7,234.45	180.66	43.60	103.81	-423.25	6,306.59	1,543.42	1,323.72	219.70	7.025		
13,100.00	6,890.08	8,036.42	7,231.68	183.47	46.42	103.67	-421.84	6,427.17	1,541.90	1,316.57	225.33	6.843		
13,200.00	6,891.11	8,108.00	7,229.89	186.28	48.20	103.58	-421.46	6,498.73	1,540.85	1,311.02	229.83	6.704		
13,251.15	6,891.64	8,153.67	7,229.28	187.72	49.36	103.54	-421.45	6,544.40	1,540.76	1,308.38	232.38	6.630		
13,300.00	6,892.14	8,197.33	7,229.33	189.10	50.48	103.52	-421.44	6,588.06	1,540.84	1,306.04	234.81	6.562		
13,400.00	6,893.17	8,263.96	7,229.23	191.91	52.22	103.48	-422.32	6,654.68	1,542.26	1,303.15	239.11	6.450		
13,500.00	6,894.21	8,357.90	7,228.40	194.73	54.73	103.39	-425.29	6,748.56	1,545.26	1,300.92	244.35	6.324		
13,600.00	6,895.24	8,439.06	7,228.98	197.54	56.95	103.36	-427.78	6,829.68	1,548.62	1,299.48	249.14	6.216		
13,700.00	6,896.27	8,554.03	7,229.34	200.36	60.16	103.28	-432.23	6,944.56	1,552.68	1,297.46	255.22	6.084		
13,800.00	6,897.30	8,697.64	7,229.01	203.18	64.27	103.20	-434.37	7,088.15	1,554.16	1,291.83	262.33	5.925		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
13,900.00	6,898.33	8,842.25	7,225.85	206.00	68.50	103.03	-433.64	7,232.72	1,553.46	1,284.03	269.42	5.766		
14,000.00	6,899.36	8,983.99	7,223.66	208.82	72.70	102.95	-427.14	7,374.29	1,548.49	1,272.25	276.24	5.606		
14,100.00	6,900.39	9,071.44	7,221.75	211.64	75.32	102.88	-423.05	7,461.62	1,543.62	1,261.95	281.67	5.480		
14,200.00	6,901.42	9,159.00	7,220.85	214.46	77.97	102.84	-419.50	7,549.10	1,539.61	1,252.52	287.09	5.363		
14,300.00	6,902.45	9,219.90	7,220.49	217.28	79.82	102.81	-417.82	7,609.97	1,537.08	1,245.38	291.70	5.269		
14,335.99	6,902.83	9,239.31	7,220.19	218.30	80.42	102.80	-417.75	7,629.38	1,536.89	1,243.64	293.24	5.241		
14,400.00	6,903.48	9,279.84	7,219.31	220.11	81.66	102.74	-418.29	7,669.90	1,537.47	1,241.32	296.15	5.192		
14,500.00	6,904.52	9,373.05	7,217.77	222.93	84.52	102.63	-420.08	7,763.07	1,539.16	1,237.39	301.78	5.100		
14,600.00	6,905.55	9,467.96	7,216.17	225.76	87.46	102.52	-422.63	7,857.94	1,541.58	1,234.09	307.49	5.013		
14,700.00	6,906.58	9,581.15	7,214.70	228.58	90.98	102.40	-424.41	7,971.11	1,542.96	1,229.04	313.92	4.915		
14,800.00	6,907.61	9,691.19	7,214.56	231.41	94.42	102.34	-425.91	8,081.13	1,544.48	1,224.30	320.18	4.824		
14,900.00	6,908.64	9,777.00	7,215.54	234.24	97.12	102.34	-426.40	8,166.93	1,545.50	1,219.99	325.51	4.748		
15,000.00	6,909.67	9,877.14	7,215.41	237.06	100.28	102.28	-428.23	8,267.06	1,547.44	1,216.01	331.44	4.669		
15,100.00	6,910.70	9,997.95	7,214.59	239.89	104.10	102.19	-429.51	8,387.85	1,548.52	1,210.36	338.17	4.579		
15,200.00	6,911.73	10,087.11	7,215.40	242.72	106.93	102.18	-429.86	8,477.00	1,549.28	1,205.61	343.67	4.508		
15,300.00	6,912.76	10,168.27	7,216.30	245.55	109.52	102.17	-430.96	8,558.15	1,551.01	1,202.15	348.85	4.446		
15,400.00	6,913.80	10,262.26	7,217.76	248.38	112.52	102.17	-432.77	8,652.11	1,553.40	1,198.89	354.52	4.382		
15,500.00	6,914.83	10,337.00	7,217.84	251.21	114.91	102.13	-435.09	8,726.81	1,556.71	1,197.31	359.41	4.331		
15,600.00	6,915.86	10,409.93	7,216.84	254.04	117.24	102.03	-438.84	8,799.64	1,561.70	1,197.52	364.18	4.288		
15,700.00	6,916.89	10,603.01	7,214.87	256.88	123.44	101.84	-444.35	8,992.56	1,564.23	1,190.03	374.20	4.180		
15,800.00	6,917.92	10,735.84	7,216.90	259.71	127.72	101.88	-441.86	9,125.34	1,562.77	1,181.61	381.16	4.100		
15,900.00	6,918.95	10,816.50	7,216.71	262.54	130.32	101.85	-440.29	9,205.99	1,561.09	1,174.56	386.52	4.039		
15,934.59	6,919.31	10,838.72	7,216.56	263.52	131.04	101.84	-440.19	9,228.21	1,560.95	1,172.77	388.17	4.021		
16,000.00	6,919.98	10,904.45	7,216.23	265.37	133.16	101.80	-440.53	9,293.94	1,561.34	1,169.21	392.12	3.982		
16,100.00	6,921.01	11,065.60	7,219.67	268.21	138.37	101.90	-435.16	9,454.94	1,558.30	1,158.50	399.80	3.898		
16,200.00	6,922.04	11,127.40	7,220.24	271.04	140.36	101.91	-433.21	9,516.70	1,555.59	1,150.94	404.65	3.844		
16,300.00	6,923.08	11,244.78	7,221.52	273.88	144.17	101.93	-430.26	9,634.04	1,553.55	1,142.44	411.10	3.779		
16,400.00	6,924.11	11,319.09	7,222.60	276.71	146.58	101.95	-428.54	9,708.32	1,551.77	1,135.53	416.25	3.728		
16,484.18	6,924.97	11,388.49	7,223.13	279.10	148.83	101.95	-427.96	9,777.71	1,551.37	1,130.60	420.77	3.687		
16,500.00	6,925.14	11,401.53	7,223.18	279.55	149.26	101.94	-427.93	9,790.76	1,551.39	1,129.77	421.62	3.680		
16,600.00	6,926.17	11,478.24	7,223.76	282.38	151.76	101.93	-428.38	9,867.46	1,552.31	1,125.58	426.73	3.638		
16,700.00	6,927.20	11,545.05	7,224.66	285.22	153.93	101.93	-429.87	9,934.25	1,554.99	1,123.69	431.30	3.605		
16,800.00	6,928.23	11,625.07	7,225.62	288.05	156.54	101.90	-433.47	10,014.17	1,559.75	1,123.38	436.36	3.574		
16,900.00	6,929.26	11,742.45	7,226.59	290.89	160.38	101.85	-438.66	10,131.43	1,564.47	1,121.21	443.26	3.529		
17,000.00	6,930.29	11,872.45	7,227.96	293.73	164.62	101.82	-442.34	10,261.38	1,567.70	1,117.09	450.60	3.479		
17,100.00	6,931.32	12,002.35	7,224.87	296.56	168.87	101.65	-443.46	10,391.23	1,568.09	1,110.11	457.97	3.424 ES		
17,200.00	6,932.35	12,005.00	7,224.78	299.40	168.96	101.64	-443.48	10,393.87	1,571.26	1,111.62	459.64	3.418 SF		
17,300.00	6,933.39	12,005.00	7,224.78	302.24	168.96	101.64	-443.48	10,393.87	1,580.76	1,121.37	459.39	3.441		
17,400.00	6,934.42	12,005.00	7,224.78	305.08	168.96	101.64	-443.48	10,393.87	1,596.48	1,139.08	457.40	3.490		
17,500.00	6,935.45	12,005.00	7,224.78	307.92	168.96	101.64	-443.48	10,393.87	1,618.24	1,164.44	453.80	3.566		
17,553.57	6,936.00	12,005.00	7,224.78	309.44	168.96	101.64	-443.48	10,393.87	1,632.30	1,181.04	451.26	3.617		
17,553.96	6,936.00	12,005.00	7,224.78	309.45	168.96	101.64	-443.48	10,393.87	1,632.41	1,181.17	451.24	3.618		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	97.81	-717.47	5,231.07	5,280.09					
100.00	100.00	129.69	129.69	3.28	3.29	97.81	-717.78	5,230.37	5,279.65	5,273.08	6.58	802.680		
200.00	200.00	228.96	228.94	3.34	3.34	97.82	-718.10	5,229.16	5,278.49	5,271.82	6.68	790.728		
300.00	300.00	297.98	297.96	3.44	3.41	97.81	-717.41	5,228.74	5,277.77	5,270.92	6.85	770.430		
327.94	327.94	315.46	315.44	3.48	3.43	101.77	-717.07	5,228.74	5,277.72	5,270.81	6.91	763.709		
400.00	399.98	364.00	363.96	3.60	3.49	101.76	-715.78	5,228.95	5,278.09	5,270.99	7.10	743.909		
500.00	499.84	438.29	438.17	3.81	3.62	101.74	-712.51	5,229.81	5,279.68	5,272.26	7.42	711.490		
600.00	599.45	520.19	519.89	4.06	3.78	101.70	-707.22	5,231.29	5,282.37	5,274.55	7.83	674.861		
700.00	698.70	628.56	627.92	4.34	4.04	101.68	-698.95	5,233.60	5,285.95	5,277.58	8.37	631.895		
775.00	772.83	695.08	694.19	4.57	4.23	101.67	-693.44	5,234.99	5,288.98	5,280.21	8.78	602.664		
800.00	797.48	714.90	713.94	4.65	4.29	101.68	-691.72	5,235.45	5,290.11	5,281.20	8.91	593.544		
900.00	896.11	811.32	809.90	4.97	4.59	101.75	-682.72	5,237.90	5,294.74	5,285.20	9.54	554.789		
1,000.00	994.74	936.62	934.39	5.31	5.02	101.82	-668.88	5,241.10	5,299.16	5,288.83	10.33	513.086		
1,100.00	1,093.37	1,049.83	1,046.76	5.68	5.45	101.87	-655.40	5,243.75	5,303.25	5,292.12	11.12	476.728		
1,200.00	1,192.00	1,209.25	1,204.88	6.06	6.10	101.93	-635.27	5,246.38	5,306.53	5,294.38	12.15	436.741		
1,300.00	1,290.63	1,272.93	1,268.03	6.45	6.36	101.95	-627.08	5,247.39	5,309.71	5,296.90	12.81	414.434		
1,400.00	1,389.26	1,623.99	1,616.33	6.86	7.90	102.10	-583.81	5,246.76	5,312.37	5,297.63	14.74	360.363		
1,500.00	1,487.88	1,734.35	1,726.09	7.27	8.37	102.18	-572.90	5,242.88	5,310.96	5,295.33	15.63	339.819		
1,600.00	1,586.51	1,761.00	1,752.58	7.69	8.49	102.20	-570.20	5,241.94	5,310.01	5,293.85	16.17	328.485		
1,641.29	1,627.23	1,798.49	1,789.87	7.86	8.65	102.23	-566.46	5,240.88	5,309.74	5,293.23	16.50	321.746		
1,700.00	1,685.14	1,817.57	1,808.86	8.11	8.74	102.24	-564.63	5,240.54	5,309.96	5,293.12	16.84	315.388		
1,800.00	1,783.77	1,853.00	1,844.13	8.54	8.89	102.27	-561.34	5,240.28	5,311.34	5,293.92	17.42	304.908		
1,900.00	1,882.40	1,925.44	1,916.20	8.97	9.22	102.32	-554.08	5,240.45	5,313.63	5,295.46	18.17	292.364		
2,000.00	1,981.03	2,162.52	2,151.81	9.41	10.30	102.46	-527.96	5,238.47	5,314.63	5,294.94	19.69	269.929		
2,006.82	1,987.76	2,164.71	2,153.99	9.44	10.31	102.46	-527.70	5,238.43	5,314.63	5,294.90	19.73	269.379		
2,100.00	2,079.66	2,222.00	2,210.88	9.84	10.58	102.49	-520.97	5,238.03	5,315.40	5,295.00	20.40	260.501		
2,200.00	2,178.28	2,267.49	2,256.07	10.29	10.79	102.51	-515.79	5,238.07	5,316.95	5,295.90	21.06	252.518		
2,300.00	2,276.91	2,429.22	2,416.83	10.73	11.54	102.61	-498.17	5,236.38	5,317.78	5,295.53	22.25	239.037		
2,400.00	2,375.54	2,498.00	2,485.18	11.18	11.86	102.65	-490.61	5,235.45	5,318.47	5,295.46	23.01	231.108		
2,500.00	2,474.17	2,564.24	2,551.02	11.62	12.17	102.69	-483.36	5,234.95	5,319.78	5,296.01	23.77	223.808		
2,600.00	2,572.80	2,674.02	2,660.04	12.07	12.70	102.74	-470.46	5,235.01	5,321.71	5,296.97	24.74	215.124		
2,700.00	2,671.43	2,818.46	2,803.44	12.52	13.39	102.81	-453.20	5,234.04	5,322.87	5,296.99	25.88	205.710		
2,800.00	2,770.05	2,943.76	2,927.93	12.97	13.98	102.88	-439.14	5,232.18	5,323.34	5,296.42	26.92	197.766		
2,900.00	2,868.68	3,015.35	2,999.09	13.43	14.32	102.92	-431.33	5,231.07	5,323.84	5,296.13	27.71	192.131		
3,000.00	2,967.31	3,098.74	3,081.89	13.88	14.72	102.97	-421.49	5,230.41	5,324.90	5,296.34	28.56	186.449		
3,100.00	3,065.94	3,165.07	3,147.81	14.34	15.04	103.00	-414.18	5,229.92	5,326.23	5,296.90	29.33	181.597		
3,200.00	3,164.57	3,226.00	3,208.34	14.79	15.33	103.03	-407.15	5,230.26	5,328.57	5,298.49	30.07	177.181		
3,300.00	3,263.20	3,311.02	3,292.82	15.25	15.74	103.08	-397.61	5,231.13	5,331.50	5,300.56	30.93	172.347		
3,400.00	3,361.83	3,415.68	3,396.96	15.71	16.23	103.15	-387.25	5,231.65	5,334.17	5,302.29	31.88	167.313		
3,500.00	3,460.45	3,480.73	3,461.70	16.17	16.53	103.19	-380.88	5,232.19	5,337.20	5,304.56	32.64	163.523		
3,600.00	3,559.08	3,629.61	3,609.71	16.62	17.24	103.28	-364.94	5,233.56	5,340.22	5,306.41	33.81	157.963		
3,700.00	3,657.71	3,700.95	3,680.71	17.08	17.58	103.33	-357.93	5,233.70	5,342.72	5,308.12	34.60	154.414		
3,800.00	3,756.34	3,762.00	3,741.38	17.54	17.87	103.36	-351.28	5,234.83	5,346.38	5,311.04	35.34	151.268		
3,900.00	3,854.97	3,809.85	3,788.88	18.00	18.10	103.38	-345.62	5,236.20	5,350.83	5,314.80	36.03	148.526		
4,000.00	3,953.60	3,956.51	3,934.36	18.46	18.82	103.44	-327.48	5,239.94	5,355.19	5,317.98	37.22	143.897		
4,100.00	4,052.23	4,078.62	4,055.53	18.92	19.42	103.48	-312.49	5,242.09	5,358.74	5,320.47	38.28	140.004		
4,200.00	4,150.85	4,219.50	4,195.70	19.39	20.08	103.58	-298.47	5,243.34	5,361.88	5,322.47	39.41	136.062		
4,300.00	4,249.48	4,286.99	4,262.84	19.85	20.40	103.62	-291.62	5,243.92	5,364.89	5,324.70	40.18	133.505		
4,400.00	4,348.11	4,346.51	4,322.03	20.31	20.69	103.66	-285.40	5,244.79	5,368.50	5,327.57	40.92	131.183		
4,500.00	4,446.74	4,452.55	4,427.44	20.77	21.19	103.72	-274.17	5,247.07	5,372.76	5,330.87	41.89	128.255		
4,600.00	4,545.37	4,632.47	4,606.75	21.23	22.02	103.87	-259.53	5,248.41	5,376.18	5,332.99	43.19	124.482		
4,700.00	4,644.00	4,729.91	4,703.89	21.70	22.46	103.95	-251.75	5,248.09	5,378.48	5,334.39	44.09	121.982		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
4,800.00	4,742.63	4,790.26	4,764.06	22.16	22.74	104.01	-247.22	5,248.15	5,381.29	5,336.46	44.83	120.048		
4,900.00	4,841.25	4,867.99	4,841.46	22.62	23.10	104.07	-240.11	5,249.08	5,384.86	5,339.21	45.65	117.971		
5,000.00	4,939.88	4,983.15	4,956.12	23.09	23.64	104.15	-229.46	5,250.26	5,388.26	5,341.62	46.65	115.507		
5,100.00	5,038.51	5,237.28	5,209.85	23.55	24.72	104.47	-218.03	5,247.22	5,390.66	5,342.47	48.19	111.861		
5,200.00	5,137.14	5,309.90	5,282.43	24.02	25.00	104.59	-217.45	5,244.85	5,391.46	5,342.52	48.93	110.178		
5,300.00	5,235.77	5,392.10	5,364.59	24.48	25.32	104.73	-217.24	5,242.46	5,392.74	5,343.03	49.71	108.483		
5,400.00	5,334.40	5,480.57	5,453.02	24.94	25.66	104.88	-217.00	5,239.93	5,394.13	5,343.62	50.51	106.794		
5,500.00	5,433.03	5,547.00	5,519.44	25.41	25.91	105.00	-217.16	5,238.44	5,396.20	5,344.98	51.22	105.348		
5,600.00	5,531.65	5,615.95	5,588.38	25.87	26.17	105.12	-217.51	5,237.27	5,398.89	5,346.95	51.94	103.942		
5,700.00	5,630.28	5,710.22	5,682.63	26.34	26.53	105.29	-217.90	5,235.83	5,401.85	5,349.09	52.76	102.386		
5,800.00	5,728.91	5,841.17	5,813.56	26.80	27.02	105.52	-218.46	5,233.44	5,404.57	5,350.84	53.72	100.601		
5,900.00	5,827.54	5,937.30	5,909.66	27.27	27.39	105.70	-219.41	5,231.25	5,407.01	5,352.46	54.55	99.126		
6,000.00	5,926.17	5,992.00	5,964.34	27.73	27.59	105.80	-220.29	5,230.05	5,409.83	5,354.63	55.21	97.991		
6,100.00	6,024.80	6,049.29	6,021.62	28.20	27.81	105.91	-220.87	5,229.32	5,413.48	5,357.60	55.88	96.873		
6,200.00	6,123.43	6,082.00	6,054.33	28.66	27.94	105.96	-220.80	5,229.34	5,418.24	5,361.79	56.45	95.984		
6,272.77	6,195.20	6,118.18	6,090.51	29.00	28.08	106.02	-220.65	5,229.72	5,422.37	5,365.46	56.91	95.275		
6,300.00	6,222.05	6,128.21	6,100.54	29.13	28.12	91.47	-220.65	5,229.89	5,423.52	5,366.45	57.07	95.034		
6,350.00	6,271.23	6,171.00	6,143.31	29.36	28.29	68.94	-220.80	5,230.95	5,423.04	5,365.58	57.46	94.378		
6,400.00	6,319.99	6,171.00	6,143.31	29.58	28.29	54.07	-220.80	5,230.95	5,418.73	5,361.08	57.65	93.987		
6,450.00	6,368.01	6,241.10	6,213.39	29.79	28.56	45.03	-221.14	5,232.87	5,410.87	5,352.72	58.15	93.050		
6,500.00	6,415.02	6,260.00	6,232.28	29.99	28.63	39.24	-221.18	5,233.32	5,399.12	5,340.71	58.41	92.436		
6,550.00	6,460.71	6,260.00	6,232.28	30.18	28.63	35.41	-221.18	5,233.32	5,384.11	5,325.54	58.57	91.922		
6,600.00	6,504.81	6,260.00	6,232.28	30.36	28.63	32.86	-221.18	5,233.32	5,365.91	5,307.18	58.72	91.377		
6,650.00	6,547.04	6,260.00	6,232.28	30.53	28.63	31.18	-221.18	5,233.32	5,344.60	5,285.74	58.86	90.800		
6,700.00	6,587.14	6,260.00	6,232.28	30.69	28.63	30.14	-221.18	5,233.32	5,320.27	5,261.28	58.99	90.192		
6,750.00	6,624.87	6,260.00	6,232.28	30.83	28.63	29.60	-221.18	5,233.32	5,293.04	5,233.94	59.10	89.554		
6,800.00	6,660.00	6,260.00	6,232.28	30.96	28.63	29.51	-221.18	5,233.32	5,263.03	5,203.82	59.21	88.886		
6,850.00	6,692.30	6,260.00	6,232.28	31.07	28.63	29.83	-221.18	5,233.32	5,230.38	5,171.07	59.31	88.188		
6,900.00	6,721.58	6,260.00	6,232.28	31.23	28.63	30.58	-221.18	5,233.32	5,195.24	5,135.83	59.40	87.461		
6,950.00	6,747.66	6,260.00	6,232.28	31.56	28.63	31.79	-221.18	5,233.32	5,157.77	5,098.29	59.49	86.705		
7,000.00	6,770.37	6,260.00	6,232.28	31.92	28.63	33.56	-221.18	5,233.32	5,118.18	5,058.61	59.57	85.923		
7,050.00	6,789.58	6,260.00	6,232.28	32.33	28.63	36.01	-221.18	5,233.32	5,076.64	5,016.99	59.65	85.114		
7,100.00	6,805.17	6,300.96	6,273.14	32.78	28.79	39.97	-221.37	5,235.88	5,031.59	4,971.65	59.94	83.945		
7,150.00	6,817.03	6,302.53	6,274.71	33.27	28.79	44.77	-221.38	5,236.04	4,986.67	4,926.65	60.02	83.077		
7,200.00	6,825.11	6,303.79	6,275.96	33.80	28.80	51.39	-221.39	5,236.18	4,940.52	4,880.41	60.11	82.193		
7,250.00	6,829.35	6,304.71	6,276.88	34.37	28.80	60.57	-221.40	5,236.28	4,893.38	4,833.19	60.19	81.295		
7,273.12	6,830.00	6,305.02	6,277.18	34.65	28.80	65.91	-221.40	5,236.31	4,871.33	4,811.09	60.23	80.874		
7,300.00	6,830.28	6,305.33	6,277.49	34.98	28.81	65.92	-221.40	5,236.35	4,845.62	4,785.34	60.28	80.387		
7,400.00	6,831.31	6,306.53	6,278.68	36.32	28.81	65.97	-221.41	5,236.48	4,750.07	4,689.60	60.46	78.561		
7,500.00	6,832.34	6,307.77	6,279.92	37.83	28.81	66.01	-221.42	5,236.62	4,654.70	4,594.03	60.68	76.711		
7,600.00	6,833.37	6,309.06	6,281.20	39.49	28.82	66.06	-221.44	5,236.78	4,559.53	4,498.61	60.93	74.837		
7,700.00	6,834.40	6,349.00	6,320.63	41.27	28.97	67.54	-221.91	5,243.04	4,466.17	4,404.74	61.43	72.706		
7,800.00	6,835.44	6,349.00	6,320.63	43.17	28.97	67.54	-221.91	5,243.04	4,371.31	4,309.57	61.75	70.795		
7,900.00	6,836.47	6,349.00	6,320.63	45.17	28.97	67.54	-221.91	5,243.04	4,276.69	4,214.59	62.11	68.860		
8,000.00	6,837.50	6,349.00	6,320.63	47.26	28.97	67.54	-221.91	5,243.04	4,182.32	4,119.81	62.51	66.903		
8,100.00	6,838.53	6,349.00	6,320.63	49.43	28.97	67.54	-221.91	5,243.04	4,088.22	4,025.25	62.97	64.924		
8,200.00	6,839.56	6,349.00	6,320.63	51.66	28.97	67.54	-221.91	5,243.04	3,994.41	3,930.93	63.48	62.925		
8,300.00	6,840.59	6,349.00	6,320.63	53.95	28.97	67.54	-221.91	5,243.04	3,900.90	3,836.86	64.05	60.908		
8,400.00	6,841.62	6,349.00	6,320.63	56.29	28.97	67.54	-221.91	5,243.04	3,807.73	3,743.05	64.68	58.874		
8,500.00	6,842.65	6,349.00	6,320.63	58.67	28.97	67.54	-221.91	5,243.04	3,714.90	3,649.53	65.37	56.827		
8,600.00	6,843.68	6,349.00	6,320.63	61.10	28.97	67.54	-221.91	5,243.04	3,622.46	3,556.32	66.14	54.768		
8,700.00	6,844.71	6,349.00	6,320.63	63.56	28.97	67.54	-221.91	5,243.04	3,530.44	3,463.45	66.99	52.702		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,845.75	6,349.00	6,320.63	66.05	28.97	67.54	-221.91	5,243.04	3,438.85	3,370.93	67.92	50.631		
8,900.00	6,846.78	6,349.00	6,320.63	68.58	28.97	67.54	-221.91	5,243.04	3,347.75	3,278.81	68.94	48.560		
9,000.00	6,847.81	6,349.00	6,320.63	71.12	28.97	67.54	-221.91	5,243.04	3,257.17	3,187.11	70.06	46.492		
9,100.00	6,848.84	6,349.00	6,320.63	73.69	28.97	67.54	-221.91	5,243.04	3,167.16	3,095.88	71.28	44.433		
9,200.00	6,849.87	6,349.00	6,320.63	76.28	28.97	67.54	-221.91	5,243.04	3,077.77	3,005.16	72.61	42.387		
9,300.00	6,850.90	6,349.00	6,320.63	78.89	28.97	67.54	-221.91	5,243.04	2,989.04	2,914.98	74.06	40.359		
9,400.00	6,851.93	6,349.00	6,320.63	81.51	28.97	67.54	-221.91	5,243.04	2,901.05	2,825.42	75.64	38.355		
9,500.00	6,852.96	6,349.00	6,320.63	84.15	28.97	67.54	-221.91	5,243.04	2,813.87	2,736.52	77.35	36.379		
9,600.00	6,853.99	6,349.00	6,320.63	86.80	28.97	67.54	-221.91	5,243.04	2,727.56	2,648.35	79.20	34.437		
9,700.00	6,855.03	6,349.00	6,320.63	89.46	28.97	67.54	-221.91	5,243.04	2,642.22	2,561.00	81.21	32.534		
9,800.00	6,856.06	6,349.00	6,320.63	92.14	28.97	67.54	-221.91	5,243.04	2,557.94	2,474.55	83.39	30.676		
9,900.00	6,857.09	6,379.02	6,349.97	94.83	29.09	68.66	-222.22	5,249.37	2,474.32	2,388.32	86.00	28.771		
10,000.00	6,858.12	6,387.84	6,358.56	97.52	29.12	68.99	-222.25	5,251.40	2,392.17	2,303.55	88.62	26.993		
10,100.00	6,859.15	6,397.35	6,367.79	100.23	29.16	69.35	-222.25	5,253.68	2,311.33	2,219.88	91.45	25.275		
10,200.00	6,860.18	6,407.64	6,377.76	102.94	29.20	69.74	-222.22	5,256.25	2,231.92	2,137.43	94.49	23.620		
10,300.00	6,861.21	6,438.00	6,406.98	105.66	29.31	70.88	-221.94	5,264.45	2,154.31	2,056.37	97.93	21.998		
10,400.00	6,862.24	6,438.00	6,406.98	108.39	29.31	70.88	-221.94	5,264.45	2,078.05	1,976.71	101.35	20.505		
10,500.00	6,863.27	6,449.41	6,417.91	111.12	29.36	71.31	-221.74	5,267.74	2,003.85	1,898.76	105.10	19.067		
10,600.00	6,864.30	6,475.85	6,443.14	113.86	29.47	72.30	-221.07	5,275.58	1,931.64	1,822.41	109.23	17.683		
10,700.00	6,865.34	6,504.51	6,470.38	116.60	29.58	73.39	-220.00	5,284.45	1,861.53	1,747.89	113.64	16.381		
10,800.00	6,866.37	6,527.00	6,491.65	119.35	29.67	74.24	-218.91	5,291.67	1,793.74	1,675.50	118.25	15.170		
10,900.00	6,867.40	6,555.96	6,518.86	122.11	29.79	75.35	-217.21	5,301.44	1,728.56	1,605.41	123.15	14.036		
11,000.00	6,868.43	6,581.58	6,542.72	124.87	29.90	76.32	-215.44	5,310.61	1,666.33	1,538.08	128.26	12.992		
11,100.00	6,869.46	6,610.11	6,569.03	127.63	30.03	77.41	-213.20	5,321.40	1,607.28	1,473.69	133.59	12.032		
11,200.00	6,870.49	6,615.00	6,573.51	130.40	30.05	77.59	-212.78	5,323.31	1,551.94	1,412.99	138.95	11.169		
11,300.00	6,871.52	6,615.00	6,573.51	133.17	30.05	77.59	-212.78	5,323.31	1,501.22	1,356.84	144.38	10.397		
11,400.00	6,872.55	6,652.02	6,606.78	135.94	30.20	78.99	-209.90	5,339.25	1,454.16	1,304.00	150.17	9.684		
11,500.00	6,873.58	6,668.49	6,621.16	138.72	30.27	79.60	-208.81	5,347.22	1,412.69	1,256.93	155.76	9.070		
11,600.00	6,874.62	6,704.00	6,651.11	141.50	30.43	80.88	-206.87	5,366.18	1,376.87	1,215.51	161.36	8.533		
11,700.00	6,875.65	6,704.00	6,651.11	144.28	30.43	80.88	-206.87	5,366.18	1,346.17	1,179.68	166.49	8.086		
11,800.00	6,876.68	6,748.73	6,686.93	147.07	30.62	82.42	-204.79	5,392.87	1,321.16	1,149.45	171.70	7.694		
11,900.00	6,877.71	6,794.00	6,721.14	149.85	30.83	83.91	-202.71	5,422.44	1,301.42	1,124.88	176.53	7.372		
12,000.00	6,878.74	6,852.59	6,763.52	152.65	31.13	85.78	-200.14	5,462.80	1,286.39	1,105.25	181.14	7.102		
12,100.00	6,879.77	6,914.98	6,807.47	155.44	31.49	87.73	-197.59	5,507.01	1,275.62	1,090.21	185.42	6.880		
12,200.00	6,880.80	6,984.84	6,854.05	158.23	31.98	89.80	-194.92	5,558.99	1,268.94	1,079.55	189.39	6.700		
12,300.00	6,881.83	7,000.00	6,905.56	161.03	32.03	92.10	-191.11	5,625.41	1,265.04	1,020.66	244.39	5.176		
12,348.90	6,882.34	7,091.73	6,918.13	162.40	32.94	92.67	-190.23	5,644.34	1,264.40	1,069.66	194.74	6.493 CC		
12,400.00	6,882.86	7,114.64	6,930.80	163.83	33.18	93.23	-189.75	5,663.43	1,265.05	1,068.82	196.23	6.447		
12,500.00	6,883.89	7,169.66	6,959.76	166.63	33.79	94.52	-190.05	5,710.20	1,269.90	1,070.86	199.04	6.380		
12,600.00	6,884.93	7,266.03	7,003.31	169.43	35.04	96.42	-192.13	5,796.09	1,277.36	1,074.74	202.61	6.304		
12,700.00	6,885.96	7,363.38	7,037.08	172.24	36.52	97.87	-194.57	5,887.30	1,284.89	1,078.50	206.39	6.225		
12,800.00	6,886.99	7,441.38	7,056.74	175.04	37.86	98.67	-198.81	5,962.63	1,294.33	1,084.51	209.83	6.169		
12,900.00	6,888.02	7,536.31	7,086.06	177.85	41.69	99.79	-209.19	6,154.78	1,303.64	1,086.38	217.26	6.000		
13,000.00	6,889.05	7,797.99	7,084.18	180.66	45.33	99.62	-210.07	6,316.41	1,304.17	1,080.10	224.07	5.820		
13,098.45	6,890.07	7,873.92	7,082.87	183.43	47.15	99.53	-209.15	6,392.32	1,303.03	1,074.46	228.57	5.701		
13,100.00	6,890.08	7,874.98	7,082.85	183.47	47.18	99.53	-209.15	6,393.39	1,303.03	1,074.39	228.64	5.699		
13,200.00	6,891.11	7,983.46	7,081.47	186.28	49.88	99.42	-209.42	6,501.86	1,303.35	1,069.16	234.19	5.565		
13,300.00	6,892.14	8,077.79	7,080.59	189.10	52.32	99.34	-208.88	6,596.18	1,302.87	1,063.46	239.41	5.442		
13,313.67	6,892.28	8,088.43	7,080.46	189.48	52.60	99.33	-208.86	6,606.81	1,302.86	1,062.81	240.06	5.427		
13,400.00	6,893.17	8,151.42	7,079.59	191.91	54.28	99.26	-209.46	6,669.80	1,303.69	1,059.69	244.00	5.343		
13,500.00	6,894.21	8,256.85	7,077.65	194.73	57.14	99.11	-211.59	6,775.19	1,305.65	1,055.90	249.74	5.228		
13,600.00	6,895.24	8,410.46	7,075.46	197.54	61.44	98.95	-210.53	6,928.76	1,304.96	1,047.86	257.10	5.076		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
13,700.00	6,896.27	8,532.42	7,074.17	200.36	64.94	98.86	-205.92	7,050.62	1,301.27	1,037.91	263.36	4.941		
13,800.00	6,897.30	8,625.09	7,071.82	203.18	67.64	98.74	-202.19	7,143.19	1,297.15	1,028.26	268.90	4.824		
13,900.00	6,898.33	8,704.00	7,069.13	206.00	69.95	98.60	-200.12	7,222.02	1,294.28	1,020.22	274.06	4.723		
13,998.43	6,899.34	8,774.48	7,067.80	208.77	72.05	98.51	-199.46	7,292.48	1,293.30	1,014.47	278.83	4.638		
14,000.00	6,899.36	8,775.64	7,067.79	208.82	72.08	98.51	-199.46	7,293.64	1,293.30	1,014.40	278.90	4.637		
14,100.00	6,900.39	8,841.41	7,067.43	211.64	74.05	98.46	-200.17	7,359.41	1,294.58	1,011.20	283.38	4.568		
14,200.00	6,901.42	8,916.37	7,067.11	214.46	76.30	98.39	-203.08	7,434.30	1,298.51	1,010.39	288.12	4.507		
14,300.00	6,902.45	9,008.74	7,066.46	217.28	79.09	98.29	-207.41	7,526.57	1,303.32	1,009.69	293.63	4.439		
14,400.00	6,903.48	9,099.05	7,066.33	220.11	81.84	98.21	-212.33	7,616.75	1,308.94	1,009.90	299.04	4.377		
14,500.00	6,904.52	9,186.32	7,066.02	222.93	84.51	98.13	-217.62	7,703.86	1,315.17	1,010.87	304.31	4.322		
14,600.00	6,905.55	9,278.35	7,062.62	225.76	87.34	97.89	-224.85	7,795.53	1,322.68	1,012.80	309.89	4.268		
14,700.00	6,906.58	9,410.10	7,056.16	228.58	91.42	97.50	-233.88	7,926.81	1,329.15	1,011.58	317.57	4.185		
14,800.00	6,907.61	9,532.77	7,054.84	231.41	95.25	97.36	-239.20	8,049.34	1,333.64	1,009.03	324.60	4.108		
14,900.00	6,908.64	9,692.17	7,055.80	234.24	100.27	97.32	-240.28	8,208.72	1,334.59	1,001.72	332.87	4.009		
15,000.00	6,909.67	9,806.50	7,057.04	237.06	103.88	97.34	-237.36	8,323.01	1,332.39	993.13	339.27	3.927		
15,100.00	6,910.70	9,890.85	7,058.44	239.89	106.56	97.36	-235.82	8,407.33	1,331.03	986.34	344.69	3.861		
15,200.00	6,911.73	9,990.90	7,058.52	242.72	109.74	97.33	-234.44	8,507.37	1,329.96	979.28	350.68	3.792		
15,300.00	6,912.76	10,099.76	7,057.84	245.55	113.21	97.26	-233.10	8,616.22	1,328.96	971.96	356.99	3.723		
15,400.00	6,913.80	10,188.14	7,057.78	248.38	116.03	97.22	-231.43	8,704.59	1,327.39	964.79	362.61	3.661		
15,445.95	6,914.27	10,223.87	7,057.58	249.68	117.17	97.20	-231.23	8,740.31	1,327.23	962.23	365.00	3.636		
15,500.00	6,914.83	10,277.41	7,057.05	251.21	118.89	97.15	-231.15	8,793.84	1,327.24	958.99	368.25	3.604		
15,600.00	6,915.86	10,358.43	7,055.59	254.04	121.49	97.05	-231.51	8,874.85	1,327.78	954.21	373.58	3.554		
15,700.00	6,916.89	10,448.46	7,052.90	256.88	124.38	96.88	-233.62	8,964.81	1,330.00	950.73	379.27	3.507		
15,800.00	6,917.92	10,553.15	7,050.35	259.71	127.75	96.71	-235.69	9,069.46	1,331.95	946.37	385.58	3.454		
15,900.00	6,918.95	10,681.86	7,047.43	262.54	131.90	96.52	-236.94	9,198.12	1,333.00	940.15	392.85	3.393		
15,903.29	6,918.98	10,678.59	7,047.49	262.63	131.80	96.53	-236.97	9,194.85	1,333.03	940.23	392.80	3.394		
16,000.00	6,919.98	10,761.12	7,046.60	265.37	134.47	96.45	-237.48	9,277.38	1,333.78	935.65	398.13	3.350		
16,100.00	6,921.01	10,856.77	7,045.90	268.21	137.56	96.37	-238.75	9,373.01	1,335.31	931.27	404.03	3.305		
16,200.00	6,922.04	10,967.28	7,045.08	271.04	141.15	96.28	-239.76	9,483.51	1,336.42	925.86	410.56	3.255		
16,300.00	6,923.08	11,051.22	7,045.70	273.88	143.87	96.26	-240.29	9,567.45	1,337.49	921.53	415.95	3.215		
16,400.00	6,924.11	11,121.34	7,046.03	276.71	146.15	96.24	-242.50	9,637.53	1,340.88	920.25	420.63	3.188		
16,500.00	6,925.14	11,274.68	7,045.22	279.55	151.14	96.12	-245.00	9,790.84	1,342.52	913.41	429.11	3.129		
16,600.00	6,926.17	11,379.00	7,044.61	282.38	154.53	96.05	-244.81	9,895.15	1,342.57	907.20	435.38	3.084		
16,700.00	6,927.20	11,559.18	7,042.31	285.22	160.38	95.90	-237.44	10,075.15	1,337.97	894.25	443.72	3.015		
16,800.00	6,928.23	11,667.73	7,039.81	288.05	163.90	95.78	-230.04	10,183.40	1,331.23	881.25	449.98	2.958		
16,900.00	6,929.26	11,744.08	7,037.56	290.89	166.38	95.66	-225.68	10,259.60	1,325.53	869.86	455.66	2.909		
17,000.00	6,930.29	11,862.49	7,034.08	293.73	170.22	95.49	-219.01	10,377.76	1,319.94	857.78	462.17	2.856		
17,100.00	6,931.32	11,898.00	7,032.84	296.56	171.38	95.42	-216.77	10,413.19	1,315.22	848.54	466.67	2.818		
17,118.52	6,931.51	11,898.00	7,032.84	297.09	171.38	95.42	-216.77	10,413.19	1,315.09	847.95	467.14	2.815 ES		
17,200.00	6,932.35	11,898.00	7,032.84	299.40	171.38	95.42	-216.77	10,413.19	1,317.61	849.49	468.12	2.815 SF		
17,300.00	6,933.39	11,898.00	7,032.84	302.24	171.38	95.42	-216.77	10,413.19	1,327.55	860.61	466.95	2.843		
17,400.00	6,934.42	11,898.00	7,032.84	305.08	171.38	95.42	-216.77	10,413.19	1,344.88	881.58	463.30	2.903		
17,500.00	6,935.45	11,898.00	7,032.84	307.92	171.38	95.42	-216.77	10,413.19	1,369.30	911.88	457.42	2.994		
17,553.57	6,936.00	11,898.00	7,032.84	309.44	171.38	95.42	-216.77	10,413.19	1,385.18	931.72	453.46	3.055		
17,553.96	6,936.00	11,898.00	7,032.84	309.45	171.38	95.42	-216.77	10,413.19	1,385.30	931.87	453.43	3.055		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-73.35	1,759.92	-5,885.51	6,143.00					
100.00	100.00	133.00	133.00	3.28	4.38	-73.35	1,759.92	-5,885.51	6,143.00	6,135.34	7.66	801.829		
200.00	200.00	233.00	233.00	3.34	7.18	-73.35	1,759.92	-5,885.51	6,143.00	6,132.48	10.52	584.025		
300.00	300.00	333.00	333.00	3.44	10.41	-73.35	1,759.92	-5,885.51	6,143.00	6,129.15	13.85	443.388		
400.00	399.98	432.98	432.98	3.60	13.77	-69.42	1,759.92	-5,885.51	6,142.39	6,125.02	17.37	353.634		
500.00	499.84	532.84	532.84	3.81	17.17	-69.50	1,759.92	-5,885.51	6,140.55	6,119.57	20.98	292.721		
600.00	599.45	632.45	632.45	4.06	20.60	-69.63	1,759.92	-5,885.51	6,137.50	6,112.85	24.64	249.062		
700.00	698.70	731.70	731.70	4.34	24.02	-69.82	1,759.92	-5,885.51	6,133.25	6,104.90	28.34	216.386		
775.00	772.83	805.83	805.83	4.57	26.59	-69.99	1,759.92	-5,885.51	6,129.28	6,098.15	31.14	196.857		
800.00	797.48	830.48	830.48	4.65	27.44	-70.03	1,759.92	-5,885.51	6,127.86	6,095.79	32.07	191.084		
900.00	896.11	929.11	929.11	4.97	30.86	-70.17	1,759.92	-5,885.51	6,122.17	6,086.35	35.82	170.918		
1,000.00	994.74	1,027.74	1,027.74	5.31	34.29	-70.31	1,759.92	-5,885.51	6,116.52	6,076.93	39.60	154.477		
1,100.00	1,093.37	1,126.37	1,126.37	5.68	37.72	-70.46	1,759.92	-5,885.51	6,110.91	6,067.52	43.39	140.835		
1,200.00	1,192.00	1,225.00	1,225.00	6.06	41.15	-70.60	1,759.92	-5,885.51	6,105.34	6,058.14	47.20	129.343		
1,300.00	1,290.63	1,323.63	1,323.63	6.45	44.58	-70.75	1,759.92	-5,885.51	6,099.82	6,048.79	51.03	119.539		
1,400.00	1,389.26	1,422.26	1,422.26	6.86	48.02	-70.89	1,759.92	-5,885.51	6,094.33	6,039.46	54.86	111.081		
1,500.00	1,487.88	1,520.88	1,520.88	7.27	51.45	-71.04	1,759.92	-5,885.51	6,088.88	6,030.17	58.71	103.714		
1,600.00	1,586.51	1,619.51	1,619.51	7.69	54.89	-71.18	1,759.92	-5,885.51	6,083.47	6,020.90	62.56	97.240		
1,700.00	1,685.14	1,718.14	1,718.14	8.11	58.33	-71.33	1,759.92	-5,885.51	6,078.10	6,011.68	66.42	91.510		
1,800.00	1,783.77	1,816.77	1,816.77	8.54	61.77	-71.47	1,759.92	-5,885.51	6,072.77	6,002.48	70.28	86.403		
1,900.00	1,882.40	1,915.40	1,915.40	8.97	65.20	-71.62	1,759.92	-5,885.51	6,067.48	5,993.32	74.15	81.823		
2,000.00	1,981.03	2,014.03	2,014.03	9.41	68.64	-71.77	1,759.92	-5,885.51	6,062.23	5,984.20	78.03	77.694		
2,100.00	2,079.66	2,112.66	2,112.66	9.84	72.08	-71.91	1,759.92	-5,885.51	6,057.02	5,975.11	81.90	73.954		
2,200.00	2,178.28	2,211.28	2,211.28	10.29	75.52	-72.06	1,759.92	-5,885.51	6,051.85	5,966.07	85.78	70.549		
2,300.00	2,276.91	2,309.91	2,309.91	10.73	78.96	-72.21	1,759.92	-5,885.51	6,046.72	5,957.06	89.66	67.437		
2,400.00	2,375.54	2,408.54	2,408.54	11.18	82.40	-72.35	1,759.92	-5,885.51	6,041.63	5,948.08	93.55	64.582		
2,500.00	2,474.17	2,507.17	2,507.17	11.62	85.84	-72.50	1,759.92	-5,885.51	6,036.59	5,939.15	97.44	61.954		
2,600.00	2,572.80	2,605.80	2,605.80	12.07	89.28	-72.65	1,759.92	-5,885.51	6,031.58	5,930.26	101.32	59.527		
2,700.00	2,671.43	2,704.43	2,704.43	12.52	92.72	-72.80	1,759.92	-5,885.51	6,026.62	5,921.40	105.21	57.279		
2,800.00	2,770.05	2,803.05	2,803.05	12.97	96.17	-72.94	1,759.92	-5,885.51	6,021.70	5,912.59	109.11	55.191		
2,900.00	2,868.68	2,901.68	2,901.68	13.43	99.61	-73.09	1,759.92	-5,885.51	6,016.81	5,903.81	113.00	53.247		
3,000.00	2,967.31	3,000.31	3,000.31	13.88	103.05	-73.24	1,759.92	-5,885.51	6,011.97	5,895.08	116.89	51.431		
3,100.00	3,065.94	3,101.06	3,098.94	14.34	106.56	-73.39	1,759.92	-5,885.51	6,007.17	5,886.31	120.86	49.702		
3,200.00	3,164.57	3,202.43	3,197.57	14.79	110.10	-73.54	1,759.92	-5,885.51	6,002.42	5,877.56	124.85	48.075		
3,300.00	3,263.20	3,303.80	3,296.20	15.25	113.64	-73.69	1,759.92	-5,885.51	5,997.70	5,868.85	128.85	46.549		
3,400.00	3,361.83	3,405.17	3,394.83	15.71	117.18	-73.84	1,759.92	-5,885.51	5,993.03	5,860.18	132.84	45.114		
3,500.00	3,460.45	3,506.55	3,493.45	16.17	120.71	-73.99	1,759.92	-5,885.51	5,988.39	5,851.56	136.84	43.763		
3,600.00	3,559.08	3,607.92	3,592.08	16.62	124.25	-74.14	1,759.92	-5,885.51	5,983.80	5,842.97	140.83	42.489		
3,700.00	3,657.71	3,709.29	3,690.71	17.08	127.79	-74.29	1,759.92	-5,885.51	5,979.26	5,834.43	144.83	41.285		
3,800.00	3,756.34	3,789.34	3,789.34	17.54	130.58	-74.44	1,759.92	-5,885.51	5,974.75	5,826.67	148.08	40.348		
3,900.00	3,854.97	3,887.97	3,887.97	18.00	134.02	-74.59	1,759.92	-5,885.51	5,970.29	5,818.30	151.98	39.283		
4,000.00	3,953.60	3,986.60	3,986.60	18.46	137.47	-74.74	1,759.92	-5,885.51	5,965.86	5,809.98	155.88	38.271		
4,100.00	4,052.23	4,085.23	4,085.23	18.92	140.91	-74.89	1,759.92	-5,885.51	5,961.48	5,801.70	159.79	37.309		
4,200.00	4,150.85	4,183.85	4,183.85	19.39	144.35	-75.04	1,759.92	-5,885.51	5,957.15	5,793.46	163.69	36.393		
4,300.00	4,249.48	4,282.48	4,282.48	19.85	147.79	-75.19	1,759.92	-5,885.51	5,952.85	5,785.26	167.59	35.520		
4,400.00	4,348.11	4,381.11	4,381.11	20.31	151.23	-75.34	1,759.92	-5,885.51	5,948.60	5,777.11	171.50	34.687		
4,500.00	4,446.74	4,479.74	4,479.74	20.77	154.68	-75.50	1,759.92	-5,885.51	5,944.39	5,768.99	175.40	33.891		
4,600.00	4,545.37	4,578.37	4,578.37	21.23	158.12	-75.65	1,759.92	-5,885.51	5,940.23	5,760.92	179.30	33.129		
4,700.00	4,644.00	4,677.00	4,677.00	21.70	161.56	-75.80	1,759.92	-5,885.51	5,936.10	5,752.90	183.21	32.401		
4,800.00	4,742.63	4,775.63	4,775.63	22.16	165.00	-75.95	1,759.92	-5,885.51	5,932.02	5,744.91	187.11	31.703		
4,900.00	4,841.25	4,874.25	4,874.25	22.62	168.45	-76.11	1,759.92	-5,885.51	5,927.99	5,736.97	191.02	31.033		
5,000.00	4,939.88	4,972.88	4,972.88	23.09	171.89	-76.26	1,759.92	-5,885.51	5,924.00	5,729.07	194.93	30.391		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,071.51	5,071.51	23.55	175.33	-76.41	1,759.92	-5,885.51	5,920.04	5,721.21	198.83	29.774		
5,200.00	5,137.14	5,170.14	5,170.14	24.02	178.77	-76.57	1,759.92	-5,885.51	5,916.14	5,713.40	202.74	29.181		
5,300.00	5,235.77	5,268.77	5,268.77	24.48	182.22	-76.72	1,759.92	-5,885.51	5,912.28	5,705.63	206.64	28.611		
5,400.00	5,334.40	5,367.40	5,367.40	24.94	185.66	-76.87	1,759.92	-5,885.51	5,908.46	5,697.90	210.55	28.062		
5,500.00	5,433.03	5,466.03	5,466.03	25.41	189.10	-77.03	1,759.92	-5,885.51	5,904.68	5,690.22	214.46	27.533		
5,600.00	5,531.65	5,564.65	5,564.65	25.87	192.54	-77.18	1,759.92	-5,885.51	5,900.95	5,682.58	218.36	27.023		
5,700.00	5,630.28	5,663.28	5,663.28	26.34	195.99	-77.34	1,759.92	-5,885.51	5,897.26	5,674.99	222.27	26.532		
5,800.00	5,728.91	5,761.91	5,761.91	26.80	199.43	-77.49	1,759.92	-5,885.51	5,893.61	5,667.44	226.18	26.057		
5,900.00	5,827.54	5,860.54	5,860.54	27.27	202.87	-77.64	1,759.92	-5,885.51	5,890.01	5,659.93	230.09	25.599		
6,000.00	5,926.17	5,959.17	5,959.17	27.73	206.32	-77.80	1,759.92	-5,885.51	5,886.46	5,652.46	234.00	25.156		
6,100.00	6,024.80	6,057.80	6,057.80	28.20	209.76	-77.95	1,759.92	-5,885.51	5,882.95	5,645.04	237.90	24.728		
6,200.00	6,123.43	6,156.43	6,156.43	28.66	213.20	-78.11	1,759.92	-5,885.51	5,879.48	5,637.67	241.81	24.314		
6,272.77	6,195.20	6,228.20	6,228.20	29.00	215.71	-78.22	1,759.92	-5,885.51	5,876.98	5,632.33	244.66	24.021		
6,294.66	6,216.78	6,249.78	6,249.78	29.11	216.46	-90.00	1,759.92	-5,885.51	5,876.61	5,631.10	245.51	23.936 CC		
6,300.00	6,222.05	6,255.05	6,255.05	29.13	216.64	-92.81	1,759.92	-5,885.51	5,876.63	5,630.91	245.72	23.916 ES		
6,350.00	6,271.23	6,304.23	6,304.23	29.36	218.36	-115.49	1,759.92	-5,885.51	5,879.00	5,631.33	247.66	23.738		
6,400.00	6,319.99	6,352.99	6,352.99	29.58	220.06	-130.45	1,759.92	-5,885.51	5,885.25	5,635.66	249.59	23.580		
6,450.00	6,368.01	6,401.01	6,401.01	29.79	221.74	-139.78	1,759.92	-5,885.51	5,895.35	5,643.87	251.48	23.443		
6,500.00	6,415.02	6,448.02	6,448.02	29.99	223.38	-145.77	1,759.92	-5,885.51	5,909.25	5,655.92	253.32	23.327		
6,550.00	6,460.71	6,506.29	6,493.71	30.18	225.41	-149.78	1,759.92	-5,885.51	5,926.84	5,671.29	255.55	23.192		
6,600.00	6,504.81	6,537.81	6,537.81	30.36	226.51	-152.55	1,759.92	-5,885.51	5,948.04	5,691.20	256.83	23.159		
6,650.00	6,547.04	6,580.04	6,580.04	30.53	227.99	-154.48	1,759.92	-5,885.51	5,972.70	5,714.22	258.48	23.107		
6,700.00	6,587.14	6,620.14	6,620.14	30.69	229.39	-155.81	1,759.92	-5,885.51	6,000.68	5,740.64	260.04	23.076		
6,750.00	6,624.87	6,657.87	6,657.87	30.83	230.70	-156.66	1,759.92	-5,885.51	6,031.80	5,770.30	261.51	23.066		
6,800.00	6,660.00	6,707.00	6,693.00	30.96	232.42	-157.11	1,759.92	-5,885.51	6,065.88	5,802.52	263.36	23.033 SF		
6,850.00	6,692.30	6,725.30	6,725.30	31.07	233.06	-157.19	1,759.92	-5,885.51	6,102.69	5,838.57	264.12	23.106		
6,900.00	6,721.58	6,754.58	6,754.58	31.23	234.08	-156.87	1,759.92	-5,885.51	6,142.02	5,876.77	265.25	23.156		
6,950.00	6,747.66	6,780.66	6,780.66	31.56	234.99	-156.11	1,759.92	-5,885.51	6,183.61	5,917.35	266.26	23.224		
7,000.00	6,770.37	6,803.37	6,803.37	31.92	235.78	-154.76	1,759.92	-5,885.51	6,227.22	5,960.08	267.14	23.311		
7,050.00	6,789.58	6,822.58	6,822.58	32.33	236.45	-152.58	1,759.92	-5,885.51	6,272.56	6,004.68	267.88	23.415		
7,100.00	6,805.17	6,838.17	6,838.17	32.78	237.00	-149.08	1,759.92	-5,885.51	6,319.37	6,050.88	268.49	23.537		
7,150.00	6,817.03	6,850.03	6,850.03	33.27	237.41	-143.21	1,759.92	-5,885.51	6,367.34	6,098.38	268.96	23.674		
7,200.00	6,825.11	6,858.11	6,858.11	33.80	237.69	-132.47	1,759.92	-5,885.51	6,416.18	6,146.90	269.28	23.827		
7,250.00	6,829.35	6,862.35	6,862.35	34.37	237.84	-110.96	1,759.92	-5,885.51	6,465.59	6,196.12	269.46	23.994		
7,273.12	6,830.00	6,863.00	6,863.00	34.65	237.87	-95.17	1,759.92	-5,885.51	6,488.54	6,219.04	269.50	24.076		
7,300.00	6,830.28	6,863.28	6,863.28	34.98	237.87	-95.19	1,759.92	-5,885.51	6,515.24	6,245.72	269.52	24.173		
7,400.00	6,831.31	6,864.31	6,864.31	36.32	237.91	-95.27	1,759.92	-5,885.51	6,614.61	6,345.00	269.61	24.534		
7,500.00	6,832.34	6,865.34	6,865.34	37.83	237.95	-95.35	1,759.92	-5,885.51	6,714.00	6,444.29	269.71	24.894		
7,600.00	6,833.37	6,866.37	6,866.37	39.49	237.98	-95.43	1,759.92	-5,885.51	6,813.40	6,543.60	269.80	25.253		
7,700.00	6,834.40	6,867.40	6,867.40	41.27	238.02	-95.51	1,759.92	-5,885.51	6,912.82	6,642.92	269.90	25.613		
7,800.00	6,835.44	6,868.44	6,868.44	43.17	238.05	-95.59	1,759.92	-5,885.51	7,012.26	6,742.26	270.00	25.971		
7,900.00	6,836.47	6,869.47	6,869.47	45.17	238.09	-95.67	1,759.92	-5,885.51	7,111.71	6,841.61	270.10	26.330		
8,000.00	6,837.50	6,870.50	6,870.50	47.26	238.13	-95.75	1,759.92	-5,885.51	7,211.18	6,940.98	270.20	26.688		
8,100.00	6,838.53	6,871.53	6,871.53	49.43	238.16	-95.83	1,759.92	-5,885.51	7,310.66	7,040.36	270.30	27.046		
8,200.00	6,839.56	6,872.56	6,872.56	51.66	238.20	-95.91	1,759.92	-5,885.51	7,410.15	7,139.75	270.41	27.404		
8,300.00	6,840.59	6,873.59	6,873.59	53.95	238.23	-95.99	1,759.92	-5,885.51	7,509.66	7,239.15	270.51	27.761		
8,400.00	6,841.62	6,874.62	6,874.62	56.29	238.27	-96.07	1,759.92	-5,885.51	7,609.18	7,338.56	270.62	28.118		
8,500.00	6,842.65	6,875.65	6,875.65	58.67	238.31	-96.15	1,759.92	-5,885.51	7,708.72	7,437.99	270.73	28.474		
8,600.00	6,843.68	6,876.68	6,876.68	61.10	238.34	-96.23	1,759.92	-5,885.51	7,808.26	7,537.43	270.84	28.830		
8,700.00	6,844.71	6,877.71	6,877.71	63.56	238.38	-96.31	1,759.92	-5,885.51	7,907.82	7,636.87	270.95	29.186		
8,800.00	6,845.75	6,878.75	6,878.75	66.05	238.41	-96.39	1,759.92	-5,885.51	8,007.39	7,736.33	271.06	29.541		
8,900.00	6,846.78	6,879.78	6,879.78	68.58	238.45	-96.47	1,759.92	-5,885.51	8,106.97	7,835.80	271.17	29.897		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,847.81	6,880.81	6,880.81	71.12	238.49	-96.55	1,759.92	-5,885.51	8,206.55	7,935.28	271.28	30.251		
9,100.00	6,848.84	6,881.84	6,881.84	73.69	238.52	-96.62	1,759.92	-5,885.51	8,306.15	8,034.76	271.39	30.606		
9,200.00	6,849.87	6,882.87	6,882.87	76.28	238.56	-96.70	1,759.92	-5,885.51	8,405.76	8,134.26	271.51	30.960		
9,300.00	6,850.90	6,883.90	6,883.90	78.89	238.59	-96.78	1,759.92	-5,885.51	8,505.38	8,233.76	271.62	31.314		
9,400.00	6,851.93	6,884.93	6,884.93	81.51	238.63	-96.86	1,759.92	-5,885.51	8,605.00	8,333.27	271.73	31.667		
9,500.00	6,852.96	6,885.96	6,885.96	84.15	238.67	-96.94	1,759.92	-5,885.51	8,704.64	8,432.79	271.85	32.020		
9,600.00	6,853.99	6,886.99	6,886.99	86.80	238.70	-97.02	1,759.92	-5,885.51	8,804.28	8,532.31	271.97	32.373		
9,700.00	6,855.03	6,888.03	6,888.03	89.46	238.74	-97.10	1,759.92	-5,885.51	8,903.93	8,631.85	272.08	32.725		
9,800.00	6,856.06	6,889.06	6,889.06	92.14	238.77	-97.18	1,759.92	-5,885.51	9,003.59	8,731.39	272.20	33.077		
9,900.00	6,857.09	6,909.91	6,890.09	94.83	239.50	-97.26	1,759.92	-5,885.51	9,103.25	8,830.24	273.01	33.344		
10,000.00	6,858.12	6,908.88	6,891.12	97.52	239.47	-97.34	1,759.92	-5,885.51	9,202.92	8,929.87	273.05	33.704		
10,100.00	6,859.15	6,907.85	6,892.15	100.23	239.43	-97.42	1,759.92	-5,885.51	9,302.60	9,029.50	273.10	34.063		
10,200.00	6,860.18	6,906.82	6,893.18	102.94	239.39	-97.50	1,759.92	-5,885.51	9,402.29	9,129.14	273.15	34.422		
10,300.00	6,861.21	6,905.79	6,894.21	105.66	239.36	-97.57	1,759.92	-5,885.51	9,501.98	9,228.78	273.20	34.781		
10,400.00	6,862.24	6,904.76	6,895.24	108.39	239.32	-97.65	1,759.92	-5,885.51	9,601.68	9,328.44	273.24	35.140		
10,500.00	6,863.27	6,903.73	6,896.27	111.12	239.29	-97.73	1,759.92	-5,885.51	9,701.38	9,428.09	273.29	35.498		
10,600.00	6,864.30	6,902.70	6,897.30	113.86	239.25	-97.81	1,759.92	-5,885.51	9,801.09	9,527.75	273.34	35.857		
10,700.00	6,865.34	6,901.66	6,898.34	116.60	239.21	-97.89	1,759.92	-5,885.51	9,900.81	9,627.42	273.39	36.215		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	15,769.76	7,060.91	3.28	285.86	-1.45	1,452.84	-36.69	7,253.98					
100.00	100.00	15,769.71	7,060.91	3.28	285.86	-1.45	1,452.83	-36.73	7,156.03	7,041.21	114.82	62.322		
200.00	200.00	15,769.67	7,060.91	3.34	285.85	-1.45	1,452.83	-36.77	7,058.15	6,943.01	115.13	61.304		
300.00	300.00	15,769.63	7,060.91	3.44	285.85	-1.45	1,452.83	-36.81	6,960.32	6,844.86	115.46	60.283		
400.00	399.98	15,769.53	7,060.91	3.60	285.85	2.99	1,452.83	-36.91	6,862.21	6,746.43	115.77	59.272		
500.00	499.84	15,769.32	7,060.91	3.81	285.84	3.69	1,452.82	-37.12	6,763.52	6,647.49	116.03	58.292		
600.00	599.45	15,768.99	7,060.91	4.06	285.83	4.81	1,452.81	-37.45	6,664.36	6,548.15	116.21	57.346		
700.00	698.70	15,768.55	7,060.91	4.34	285.82	6.88	1,452.80	-37.90	6,564.83	6,448.50	116.32	56.435		
775.00	772.83	15,768.14	7,060.91	4.57	285.80	10.12	1,452.79	-38.30	6,490.00	6,373.64	116.36	55.776		
800.00	797.48	15,767.99	7,060.91	4.65	285.80	10.10	1,452.79	-38.45	6,465.04	6,348.68	116.36	55.560		
900.00	896.11	15,767.40	7,060.91	4.97	285.78	10.01	1,452.77	-39.04	6,365.19	6,248.81	116.38	54.695		
1,000.00	994.74	15,766.81	7,060.91	5.31	285.76	9.91	1,452.75	-39.63	6,265.35	6,148.95	116.40	53.827		
1,100.00	1,093.37	15,766.21	7,060.91	5.68	285.74	9.81	1,452.74	-40.23	6,165.51	6,049.08	116.42	52.957		
1,200.00	1,192.00	15,765.61	7,060.91	6.06	285.72	9.72	1,452.72	-40.83	6,065.67	5,949.22	116.46	52.085		
1,300.00	1,290.63	15,765.01	7,060.91	6.45	285.70	9.62	1,452.71	-41.43	5,965.85	5,849.35	116.50	51.210		
1,400.00	1,389.26	15,764.41	7,060.91	6.86	285.68	9.52	1,452.69	-42.03	5,866.02	5,749.48	116.54	50.333		
1,500.00	1,487.88	15,763.80	7,060.91	7.27	285.66	9.43	1,452.67	-42.64	5,766.21	5,649.61	116.60	49.454		
1,600.00	1,586.51	15,763.19	7,060.91	7.69	285.64	9.33	1,452.66	-43.25	5,666.40	5,549.74	116.66	48.572		
1,700.00	1,685.14	15,762.58	7,060.91	8.11	285.62	9.23	1,452.64	-43.86	5,566.60	5,449.87	116.73	47.688		
1,800.00	1,783.77	15,761.96	7,060.91	8.54	285.60	9.13	1,452.62	-44.48	5,466.80	5,349.99	116.81	46.801		
1,900.00	1,882.40	15,761.34	7,060.91	8.97	285.58	9.03	1,452.61	-45.10	5,367.01	5,250.12	116.90	45.913		
2,000.00	1,981.03	15,760.72	7,060.91	9.41	285.56	8.93	1,452.59	-45.72	5,267.23	5,150.24	116.99	45.021		
2,100.00	2,079.66	15,760.09	7,060.91	9.84	285.54	8.83	1,452.57	-46.35	5,167.46	5,050.36	117.10	44.128		
2,200.00	2,178.28	15,759.47	7,060.91	10.29	285.52	8.73	1,452.56	-46.97	5,067.70	4,950.48	117.22	43.232		
2,300.00	2,276.91	15,758.83	7,060.91	10.73	285.50	8.62	1,452.54	-47.61	4,967.95	4,850.60	117.35	42.335		
2,400.00	2,375.54	15,758.20	7,060.91	11.18	285.48	8.52	1,452.53	-48.24	4,868.20	4,750.71	117.49	41.434		
2,500.00	2,474.17	15,757.56	7,060.91	11.62	285.46	8.42	1,452.51	-48.88	4,768.47	4,650.82	117.65	40.532		
2,600.00	2,572.80	15,756.92	7,060.91	12.07	285.44	8.31	1,452.49	-49.52	4,668.75	4,550.93	117.82	39.627		
2,700.00	2,671.43	15,756.28	7,060.91	12.52	285.41	8.21	1,452.48	-50.16	4,569.04	4,451.04	118.00	38.719		
2,800.00	2,770.05	15,755.63	7,060.91	12.97	285.39	8.11	1,452.46	-50.81	4,469.34	4,351.14	118.21	37.810		
2,900.00	2,868.68	15,754.98	7,060.91	13.43	285.37	8.00	1,452.44	-51.46	4,369.66	4,251.23	118.43	36.898		
3,000.00	2,967.31	15,754.33	7,060.91	13.88	285.35	7.89	1,452.43	-52.11	4,269.99	4,151.33	118.67	35.983		
3,100.00	3,065.94	15,753.67	7,060.91	14.34	285.33	7.79	1,452.41	-52.77	4,170.34	4,051.41	118.93	35.067		
3,200.00	3,164.57	15,753.01	7,060.92	14.79	285.31	7.68	1,452.39	-53.43	4,070.71	3,951.50	119.21	34.147		
3,300.00	3,263.20	15,752.34	7,060.92	15.25	285.29	7.57	1,452.38	-54.09	3,971.09	3,851.57	119.52	33.226		
3,400.00	3,361.83	15,751.68	7,060.92	15.71	285.26	7.46	1,452.36	-54.76	3,871.49	3,751.64	119.85	32.302		
3,500.00	3,460.45	15,751.01	7,060.92	16.17	285.24	7.36	1,452.35	-55.43	3,771.92	3,651.70	120.22	31.376		
3,600.00	3,559.08	15,750.33	7,060.92	16.62	285.22	7.25	1,452.33	-56.10	3,672.36	3,551.75	120.61	30.448		
3,700.00	3,657.71	15,749.66	7,060.92	17.08	285.20	7.14	1,452.31	-56.78	3,572.83	3,451.79	121.04	29.517		
3,800.00	3,756.34	15,748.98	7,060.92	17.54	285.17	7.03	1,452.30	-57.46	3,473.33	3,351.82	121.51	28.585		
3,900.00	3,854.97	15,748.29	7,060.92	18.00	285.15	6.91	1,452.28	-58.15	3,373.86	3,251.84	122.02	27.650		
4,000.00	3,953.60	15,747.60	7,060.92	18.46	285.13	6.80	1,452.26	-58.83	3,274.42	3,151.85	122.57	26.714		
4,100.00	4,052.23	15,746.91	7,060.92	18.92	285.11	6.69	1,452.25	-59.52	3,175.02	3,051.84	123.18	25.776		
4,200.00	4,150.85	15,746.22	7,060.92	19.39	285.08	6.58	1,452.23	-60.22	3,075.65	2,951.82	123.83	24.837		
4,300.00	4,249.48	15,745.52	7,060.92	19.85	285.06	6.46	1,452.21	-60.92	2,976.33	2,851.78	124.55	23.897		
4,400.00	4,348.11	15,744.82	7,060.92	20.31	285.04	6.35	1,452.20	-61.62	2,877.05	2,751.72	125.33	22.956		
4,500.00	4,446.74	15,744.11	7,060.92	20.77	285.02	6.23	1,452.18	-62.32	2,777.82	2,651.64	126.18	22.015		
4,600.00	4,545.37	15,743.40	7,060.92	21.23	284.99	6.12	1,452.16	-63.03	2,678.65	2,551.54	127.11	21.074		
4,700.00	4,644.00	15,742.69	7,060.92	21.70	284.97	6.00	1,452.15	-63.75	2,579.55	2,451.42	128.13	20.133		
4,800.00	4,742.63	15,741.97	7,060.92	22.16	284.94	5.89	1,452.13	-64.46	2,480.51	2,351.27	129.24	19.193		
4,900.00	4,841.25	15,741.25	7,060.92	22.62	284.92	5.77	1,452.12	-65.18	2,381.56	2,251.10	130.46	18.255		
5,000.00	4,939.88	15,740.53	7,060.92	23.09	284.90	5.65	1,452.10	-65.91	2,282.70	2,150.89	131.81	17.318		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,100.00	5,038.51	15,739.80	7,060.92	23.55	284.87	5.53	1,452.08	-66.63	2,183.94	2,050.65	133.29	16.385		
5,200.00	5,137.14	15,739.07	7,060.92	24.02	284.85	5.41	1,452.07	-67.37	2,085.30	1,950.37	134.93	15.455		
5,300.00	5,235.77	15,738.33	7,060.92	24.48	284.83	5.29	1,452.05	-68.10	1,986.80	1,850.05	136.75	14.529		
5,400.00	5,334.40	15,737.59	7,060.92	24.94	284.80	5.17	1,452.03	-68.84	1,888.45	1,749.68	138.77	13.608		
5,500.00	5,433.03	15,736.85	7,060.92	25.41	284.78	5.05	1,452.02	-69.59	1,790.28	1,649.25	141.04	12.694		
5,600.00	5,531.65	15,736.10	7,060.92	25.87	284.75	4.93	1,452.00	-70.33	1,692.33	1,548.75	143.58	11.786		
5,700.00	5,630.28	15,735.35	7,060.92	26.34	284.73	4.80	1,451.99	-71.08	1,594.64	1,448.18	146.46	10.888		
5,800.00	5,728.91	15,734.59	7,060.92	26.80	284.70	4.68	1,451.97	-71.84	1,497.24	1,347.51	149.73	10.000		
5,900.00	5,827.54	15,733.83	7,060.93	27.27	284.68	4.56	1,451.95	-72.60	1,400.22	1,246.74	153.48	9.123		
6,000.00	5,926.17	15,733.07	7,060.93	27.73	284.65	4.43	1,451.94	-73.36	1,303.64	1,145.85	157.80	8.262		
6,100.00	6,024.80	15,732.30	7,060.93	28.20	284.63	4.31	1,451.92	-74.13	1,207.62	1,044.80	162.82	7.417		
6,200.00	6,123.43	15,731.53	7,060.93	28.66	284.60	4.18	1,451.90	-74.90	1,112.31	943.59	168.71	6.593		
6,272.77	6,195.20	15,730.97	7,060.93	29.00	284.58	4.09	1,451.89	-75.47	1,043.49	869.82	173.67	6.008		
6,300.00	6,222.05	15,731.29	7,060.93	29.13	284.59	-17.15	1,451.90	-75.15	1,017.89	842.19	175.71	5.793		
6,350.00	6,271.23	15,734.66	7,060.92	29.36	284.70	-50.62	1,451.97	-71.77	971.26	791.51	179.75	5.403		
6,400.00	6,319.99	15,741.63	7,060.92	29.58	284.93	-74.23	1,452.12	-64.81	925.41	741.19	184.22	5.023		
6,450.00	6,368.01	15,752.16	7,060.92	29.79	285.28	-90.19	1,452.37	-54.28	880.67	691.55	189.13	4.656		
6,500.00	6,415.02	15,766.20	7,060.91	29.99	285.74	-101.17	1,452.74	-40.24	837.38	642.90	194.48	4.306		
6,550.00	6,460.71	15,783.68	7,060.90	30.18	286.31	-108.92	1,453.24	-22.77	795.84	595.58	200.27	3.974		
6,600.00	6,504.81	15,804.49	7,060.89	30.36	287.00	-114.46	1,453.91	-1.97	756.40	549.91	206.49	3.663		
6,650.00	6,547.04	15,830.35	7,060.88	30.53	287.85	-118.33	1,454.81	23.87	719.31	506.11	213.20	3.374		
6,700.00	6,587.14	15,860.81	7,060.88	30.69	288.85	-120.99	1,455.80	54.31	684.75	464.45	220.31	3.108		
6,750.00	6,624.87	15,894.48	7,060.90	30.83	289.95	-122.83	1,456.77	87.97	652.90	425.25	227.65	2.868		
6,800.00	6,660.00	15,931.17	7,060.94	30.96	291.16	-124.03	1,457.70	124.65	623.90	388.78	235.12	2.654		
6,850.00	6,692.30	15,968.13	7,060.99	31.07	292.37	-124.85	1,458.57	161.60	597.91	355.43	242.48	2.466		
6,900.00	6,721.58	16,006.81	7,061.03	31.23	293.64	-125.30	1,459.64	200.27	575.14	325.43	249.71	2.303		
6,950.00	6,747.66	16,048.68	7,061.05	31.56	295.02	-125.39	1,460.97	242.12	555.64	298.85	256.79	2.164		
7,000.00	6,770.37	16,094.46	7,061.07	31.92	296.52	-125.19	1,462.36	287.87	539.24	275.65	263.59	2.046		
7,050.00	6,789.58	16,141.91	7,061.08	32.33	298.08	-124.88	1,463.66	335.31	525.82	255.98	269.85	1.949		
7,100.00	6,805.17	16,175.00	7,061.08	32.78	299.17	-124.89	1,464.50	368.39	515.54	241.21	274.33	1.879		
7,150.00	6,817.03	16,175.00	7,061.08	33.27	299.17	-125.33	1,464.50	368.39	511.67	237.41	274.26	1.866 ES, SF		
7,150.36	6,817.11	16,175.00	7,061.08	33.27	299.17	-125.33	1,464.50	368.39	511.67	237.42	274.25	1.866 CC		
7,200.00	6,825.11	16,175.00	7,061.08	33.80	299.17	-125.21	1,464.50	368.39	515.43	244.26	271.17	1.901		
7,250.00	6,829.35	16,175.00	7,061.08	34.37	299.17	-124.53	1,464.50	368.39	526.64	261.31	265.32	1.985		
7,273.12	6,830.00	16,175.00	7,061.08	34.65	299.17	-124.02	1,464.50	368.39	534.20	272.35	261.85	2.040		
7,300.00	6,830.28	16,175.00	7,061.08	34.98	299.17	-124.02	1,464.50	368.39	544.40	286.98	257.42	2.115		
7,400.00	6,831.31	16,175.00	7,061.08	36.32	299.17	-124.02	1,464.50	368.39	591.62	352.36	239.27	2.473		
7,500.00	6,832.34	16,175.00	7,061.08	37.83	299.17	-124.02	1,464.50	368.39	650.89	430.37	220.52	2.952		
7,600.00	6,833.37	16,175.00	7,061.08	39.49	299.17	-124.02	1,464.50	368.39	719.24	516.28	202.96	3.544		
7,700.00	6,834.40	16,175.00	7,061.08	41.27	299.17	-124.02	1,464.50	368.39	794.32	607.00	187.32	4.240		
7,800.00	6,835.44	16,175.00	7,061.08	43.17	299.17	-124.02	1,464.50	368.39	874.41	700.63	173.78	5.032		
7,900.00	6,836.47	16,175.00	7,061.08	45.17	299.17	-124.02	1,464.50	368.39	958.25	796.04	162.21	5.908		
8,000.00	6,837.50	16,175.00	7,061.08	47.26	299.17	-124.02	1,464.50	368.39	1,044.93	892.58	152.35	6.859		
8,100.00	6,838.53	16,175.00	7,061.08	49.43	299.17	-124.02	1,464.50	368.39	1,133.81	989.84	143.97	7.875		
8,200.00	6,839.56	16,175.00	7,061.08	51.66	299.17	-124.02	1,464.50	368.39	1,224.41	1,087.57	136.84	8.948		
8,300.00	6,840.59	16,175.00	7,061.08	53.95	299.17	-124.02	1,464.50	368.39	1,316.36	1,185.62	130.74	10.069		
8,400.00	6,841.62	16,175.00	7,061.08	56.29	299.17	-124.02	1,464.50	368.39	1,409.42	1,283.91	125.51	11.229		
8,500.00	6,842.65	16,175.00	7,061.08	58.67	299.17	-124.02	1,464.50	368.39	1,503.36	1,382.35	121.01	12.423		
8,600.00	6,843.68	16,175.00	7,061.08	61.10	299.17	-124.02	1,464.50	368.39	1,598.04	1,480.92	117.13	13.644		
8,700.00	6,844.71	16,175.00	7,061.08	63.56	299.17	-124.02	1,464.50	368.39	1,693.34	1,579.58	113.76	14.885		
8,800.00	6,845.75	16,175.00	7,061.08	66.05	299.17	-124.02	1,464.50	368.39	1,789.14	1,678.31	110.83	16.143		
8,900.00	6,846.78	16,175.00	7,061.08	68.58	299.17	-124.02	1,464.50	368.39	1,885.38	1,777.11	108.28	17.413		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,847.81	16,175.00	7,061.08	71.12	299.17	-124.02	1,464.50	368.39	1,982.00	1,875.96	106.04	18.691		
9,100.00	6,848.84	16,175.00	7,061.08	73.69	299.17	-124.02	1,464.50	368.39	2,078.93	1,974.85	104.08	19.974		
9,200.00	6,849.87	16,175.00	7,061.08	76.28	299.17	-124.02	1,464.50	368.39	2,176.14	2,073.79	102.36	21.261		
9,300.00	6,850.90	16,175.00	7,061.08	78.89	299.17	-124.02	1,464.50	368.39	2,273.60	2,172.76	100.83	22.548		
9,400.00	6,851.93	16,175.00	7,061.08	81.51	299.17	-124.02	1,464.50	368.39	2,371.26	2,271.77	99.49	23.834		
9,500.00	6,852.96	16,175.00	7,061.08	84.15	299.17	-124.02	1,464.50	368.39	2,469.12	2,370.82	98.30	25.118		
9,600.00	6,853.99	16,175.00	7,061.08	86.80	299.17	-124.02	1,464.50	368.39	2,567.13	2,469.89	97.25	26.398		
9,700.00	6,855.03	16,175.00	7,061.08	89.46	299.17	-124.02	1,464.50	368.39	2,665.30	2,568.99	96.31	27.674		
9,800.00	6,856.06	16,175.00	7,061.08	92.14	299.17	-124.02	1,464.50	368.39	2,763.60	2,668.12	95.48	28.946		
9,900.00	6,857.09	16,175.00	7,061.08	94.83	299.17	-124.02	1,464.50	368.39	2,862.01	2,767.28	94.73	30.211		
10,000.00	6,858.12	16,175.00	7,061.08	97.52	299.17	-124.02	1,464.50	368.39	2,960.53	2,866.46	94.07	31.471		
10,100.00	6,859.15	16,175.00	7,061.08	100.23	299.17	-124.02	1,464.50	368.39	3,059.15	2,965.67	93.48	32.725		
10,200.00	6,860.18	16,175.00	7,061.08	102.94	299.17	-124.02	1,464.50	368.39	3,157.85	3,064.90	92.95	33.973		
10,300.00	6,861.21	16,175.00	7,061.08	105.66	299.17	-124.02	1,464.50	368.39	3,256.64	3,164.16	92.48	35.215		
10,400.00	6,862.24	16,175.00	7,061.08	108.39	299.17	-124.02	1,464.50	368.39	3,355.49	3,263.43	92.06	36.450		
10,500.00	6,863.27	16,175.00	7,061.08	111.12	299.17	-124.02	1,464.50	368.39	3,454.41	3,362.73	91.68	37.679		
10,600.00	6,864.30	16,175.00	7,061.08	113.86	299.17	-124.02	1,464.50	368.39	3,553.40	3,462.05	91.34	38.901		
10,700.00	6,865.34	16,175.00	7,061.08	116.60	299.17	-124.02	1,464.50	368.39	3,652.43	3,561.39	91.04	40.118		
10,800.00	6,866.37	16,175.00	7,061.08	119.35	299.17	-124.02	1,464.50	368.39	3,751.52	3,660.75	90.77	41.328		
10,900.00	6,867.40	16,175.00	7,061.08	122.11	299.17	-124.02	1,464.50	368.39	3,850.66	3,760.12	90.53	42.533		
11,000.00	6,868.43	16,175.00	7,061.08	124.87	299.17	-124.02	1,464.50	368.39	3,949.83	3,859.51	90.32	43.731		
11,100.00	6,869.46	16,175.00	7,061.08	127.63	299.17	-124.02	1,464.50	368.39	4,049.05	3,958.92	90.13	44.924		
11,200.00	6,870.49	16,175.00	7,061.08	130.40	299.17	-124.02	1,464.50	368.39	4,148.31	4,058.35	89.96	46.112		
11,300.00	6,871.52	16,175.00	7,061.08	133.17	299.17	-124.02	1,464.50	368.39	4,247.60	4,157.79	89.81	47.293		
11,400.00	6,872.55	16,175.00	7,061.08	135.94	299.17	-124.02	1,464.50	368.39	4,346.93	4,257.24	89.68	48.470		
11,500.00	6,873.58	16,175.00	7,061.08	138.72	299.17	-124.02	1,464.50	368.39	4,446.28	4,356.71	89.57	49.641		
11,600.00	6,874.62	16,175.00	7,061.08	141.50	299.17	-124.02	1,464.50	368.39	4,545.66	4,456.19	89.47	50.807		
11,700.00	6,875.65	16,175.00	7,061.08	144.28	299.17	-124.02	1,464.50	368.39	4,645.07	4,555.69	89.38	51.969		
11,800.00	6,876.68	16,175.00	7,061.08	147.07	299.17	-124.02	1,464.50	368.39	4,744.51	4,655.20	89.31	53.125		
11,900.00	6,877.71	16,175.00	7,061.08	149.85	299.17	-124.02	1,464.50	368.39	4,843.96	4,754.72	89.25	54.276		
12,000.00	6,878.74	16,175.00	7,061.08	152.65	299.17	-124.02	1,464.50	368.39	4,943.44	4,854.25	89.19	55.423		
12,100.00	6,879.77	16,175.00	7,061.08	155.44	299.17	-124.02	1,464.50	368.39	5,042.94	4,953.79	89.15	56.566		
12,200.00	6,880.80	16,175.00	7,061.08	158.23	299.17	-124.02	1,464.50	368.39	5,142.46	5,053.34	89.12	57.704		
12,300.00	6,881.83	16,175.00	7,061.08	161.03	299.17	-124.02	1,464.50	368.39	5,242.00	5,152.91	89.09	58.837		
12,400.00	6,882.86	16,175.00	7,061.08	163.83	299.17	-124.02	1,464.50	368.39	5,341.55	5,252.48	89.08	59.967		
12,500.00	6,883.89	16,175.00	7,061.08	166.63	299.17	-124.02	1,464.50	368.39	5,441.13	5,352.06	89.07	61.092		
12,600.00	6,884.93	16,175.00	7,061.08	169.43	299.17	-124.02	1,464.50	368.39	5,540.71	5,451.65	89.06	62.213		
12,700.00	6,885.96	16,175.00	7,061.08	172.24	299.17	-124.02	1,464.50	368.39	5,640.31	5,551.25	89.06	63.329		
12,800.00	6,886.99	16,175.00	7,061.08	175.04	299.17	-124.02	1,464.50	368.39	5,739.93	5,650.86	89.07	64.442		
12,900.00	6,888.02	16,175.00	7,061.08	177.85	299.17	-124.02	1,464.50	368.39	5,839.56	5,750.47	89.08	65.551		
13,000.00	6,889.05	16,175.00	7,061.08	180.66	299.17	-124.02	1,464.50	368.39	5,939.20	5,850.10	89.10	66.657		
13,100.00	6,890.08	16,175.00	7,061.08	183.47	299.17	-124.02	1,464.50	368.39	6,038.85	5,949.73	89.12	67.758		
13,200.00	6,891.11	16,175.00	7,061.08	186.28	299.17	-124.02	1,464.50	368.39	6,138.51	6,049.36	89.15	68.855		
13,300.00	6,892.14	16,175.00	7,061.08	189.10	299.17	-124.02	1,464.50	368.39	6,238.19	6,149.01	89.18	69.949		
13,400.00	6,893.17	16,175.00	7,061.08	191.91	299.17	-124.02	1,464.50	368.39	6,337.87	6,248.66	89.22	71.039		
13,500.00	6,894.21	16,175.00	7,061.08	194.73	299.17	-124.02	1,464.50	368.39	6,437.57	6,348.31	89.25	72.126		
13,600.00	6,895.24	16,175.00	7,061.08	197.54	299.17	-124.02	1,464.50	368.39	6,537.27	6,447.98	89.30	73.209		
13,700.00	6,896.27	16,175.00	7,061.08	200.36	299.17	-124.02	1,464.50	368.39	6,636.99	6,547.64	89.34	74.288		
13,800.00	6,897.30	16,175.00	7,061.08	203.18	299.17	-124.02	1,464.50	368.39	6,736.71	6,647.32	89.39	75.364		
13,900.00	6,898.33	16,175.00	7,061.08	206.00	299.17	-124.02	1,464.50	368.39	6,836.44	6,747.00	89.44	76.437		
14,000.00	6,899.36	16,175.00	7,061.08	208.82	299.17	-124.02	1,464.50	368.39	6,936.17	6,846.68	89.49	77.506		
14,100.00	6,900.39	16,175.00	7,061.08	211.64	299.17	-124.02	1,464.50	368.39	7,035.92	6,946.37	89.55	78.571		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	6,901.42	16,175.00	7,061.08	214.46	299.17	-124.02	1,464.50	368.39	7,135.67	7,046.06	89.61	79.633		
14,300.00	6,902.45	16,175.00	7,061.08	217.28	299.17	-124.02	1,464.50	368.39	7,235.43	7,145.76	89.67	80.692		
14,400.00	6,903.48	16,175.00	7,061.08	220.11	299.17	-124.02	1,464.50	368.39	7,335.19	7,245.46	89.73	81.747		
14,500.00	6,904.52	16,175.00	7,061.08	222.93	299.17	-124.02	1,464.50	368.39	7,434.97	7,345.17	89.80	82.799		
14,600.00	6,905.55	16,175.00	7,061.08	225.76	299.17	-124.02	1,464.50	368.39	7,534.74	7,444.88	89.86	83.848		
14,700.00	6,906.58	16,175.00	7,061.08	228.58	299.17	-124.02	1,464.50	368.39	7,634.53	7,544.60	89.93	84.893		
14,800.00	6,907.61	16,175.00	7,061.08	231.41	299.17	-124.02	1,464.50	368.39	7,734.32	7,644.32	90.00	85.936		
14,900.00	6,908.64	16,175.00	7,061.08	234.24	299.17	-124.02	1,464.50	368.39	7,834.11	7,744.04	90.07	86.974		
15,000.00	6,909.67	16,175.00	7,061.08	237.06	299.17	-124.02	1,464.50	368.39	7,933.91	7,843.76	90.15	88.010		
15,100.00	6,910.70	16,175.00	7,061.08	239.89	299.17	-124.02	1,464.50	368.39	8,033.72	7,943.49	90.22	89.042		
15,200.00	6,911.73	16,175.00	7,061.08	242.72	299.17	-124.02	1,464.50	368.39	8,133.52	8,043.22	90.30	90.071		
15,300.00	6,912.76	16,175.00	7,061.08	245.55	299.17	-124.02	1,464.50	368.39	8,233.34	8,142.96	90.38	91.097		
15,400.00	6,913.80	16,175.00	7,061.08	248.38	299.17	-124.02	1,464.50	368.39	8,333.16	8,242.70	90.46	92.120		
15,500.00	6,914.83	16,175.00	7,061.08	251.21	299.17	-124.02	1,464.50	368.39	8,432.98	8,342.44	90.54	93.140		
15,600.00	6,915.86	16,175.00	7,061.08	254.04	299.17	-124.02	1,464.50	368.39	8,532.81	8,442.18	90.62	94.156		
15,700.00	6,916.89	16,175.00	7,061.08	256.88	299.17	-124.02	1,464.50	368.39	8,632.64	8,541.93	90.71	95.169		
15,800.00	6,917.92	16,175.00	7,061.08	259.71	299.17	-124.02	1,464.50	368.39	8,732.47	8,641.68	90.79	96.179		
15,900.00	6,918.95	16,175.00	7,061.08	262.54	299.17	-124.02	1,464.50	368.39	8,832.31	8,741.43	90.88	97.186		
16,000.00	6,919.98	16,175.00	7,061.08	265.37	299.17	-124.02	1,464.50	368.39	8,932.15	8,841.19	90.97	98.190		
16,100.00	6,921.01	16,175.00	7,061.08	268.21	299.17	-124.02	1,464.50	368.39	9,032.00	8,940.94	91.06	99.190		
16,200.00	6,922.04	16,175.00	7,061.08	271.04	299.17	-124.02	1,464.50	368.39	9,131.85	9,040.70	91.15	100.187		
16,300.00	6,923.08	16,175.00	7,061.08	273.88	299.17	-124.02	1,464.50	368.39	9,231.70	9,140.46	91.24	101.182		
16,400.00	6,924.11	16,175.00	7,061.08	276.71	299.17	-124.02	1,464.50	368.39	9,331.56	9,240.23	91.33	102.173		
16,500.00	6,925.14	16,175.00	7,061.08	279.55	299.17	-124.02	1,464.50	368.39	9,431.42	9,339.99	91.42	103.161		
16,600.00	6,926.17	16,175.00	7,061.08	282.38	299.17	-124.02	1,464.50	368.39	9,531.28	9,439.76	91.52	104.146		
16,700.00	6,927.20	16,175.00	7,061.08	285.22	299.17	-124.02	1,464.50	368.39	9,631.14	9,539.53	91.61	105.127		
16,800.00	6,928.23	16,175.00	7,061.08	288.05	299.17	-124.02	1,464.50	368.39	9,731.01	9,639.30	91.71	106.106		
16,900.00	6,929.26	16,175.00	7,061.08	290.89	299.17	-124.02	1,464.50	368.39	9,830.88	9,739.07	91.81	107.082		
17,000.00	6,930.29	16,175.00	7,061.08	293.73	299.17	-124.02	1,464.50	368.39	9,930.75	9,838.85	91.91	108.054		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-72.13	2,611.79	-8,101.20	8,791.67					
100.00	100.00	2,272.21	2,190.70	3.28	14.95	-72.19	2,601.33	-8,096.25	8,767.00	8,750.15	16.85	520.393		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-72.29	2,583.42	-8,088.58	8,743.12	8,725.86	17.26	506.426		
300.00	300.00	2,328.00	2,242.99	3.44	15.41	-72.29	2,583.42	-8,088.58	8,719.83	8,702.49	17.34	502.942		
400.00	399.98	2,385.99	2,297.32	3.60	15.89	-68.88	2,564.51	-8,081.31	8,696.58	8,678.70	17.89	486.249		
500.00	499.84	2,433.98	2,342.29	3.81	16.29	-69.45	2,548.71	-8,075.68	8,672.76	8,654.35	18.41	471.091		
600.00	599.45	2,496.32	2,400.69	4.06	16.81	-70.08	2,528.07	-8,068.67	8,648.23	8,629.15	19.08	453.159		
700.00	698.70	2,686.00	2,578.52	4.34	18.39	-71.09	2,466.10	-8,046.02	8,622.19	8,601.47	20.72	416.041		
775.00	772.83	2,726.43	2,616.44	4.57	18.73	-71.60	2,453.05	-8,040.88	8,601.78	8,580.55	21.23	405.113		
800.00	797.48	2,734.73	2,624.23	4.65	18.80	-71.63	2,450.37	-8,039.87	8,594.98	8,573.61	21.37	402.211		
900.00	896.11	2,775.00	2,662.03	4.97	19.14	-71.75	2,437.33	-8,035.15	8,568.25	8,546.27	21.98	389.852		
1,000.00	994.74	2,806.24	2,691.37	5.31	19.40	-71.84	2,427.15	-8,031.71	8,542.23	8,519.68	22.55	378.797		
1,100.00	1,093.37	2,865.00	2,746.50	5.68	19.89	-72.02	2,407.73	-8,025.72	8,516.96	8,493.61	23.35	364.760		
1,200.00	1,192.00	2,910.96	2,789.61	6.06	20.27	-72.16	2,392.41	-8,021.27	8,492.22	8,468.15	24.08	352.723		
1,300.00	1,290.63	3,003.80	2,876.69	6.45	21.05	-72.45	2,361.50	-8,012.25	8,467.78	8,442.61	25.17	336.421		
1,400.00	1,389.26	3,087.16	2,954.86	6.86	21.74	-72.71	2,333.75	-8,004.10	8,443.50	8,417.29	26.21	322.166		
1,500.00	1,487.88	3,194.28	3,055.34	7.27	22.64	-73.04	2,298.12	-7,993.65	8,419.49	8,392.05	27.44	306.851		
1,600.00	1,586.51	3,331.80	3,184.31	7.69	23.80	-73.47	2,252.61	-7,979.23	8,395.05	8,366.14	28.91	290.434		
1,700.00	1,685.14	3,376.69	3,226.42	8.11	24.18	-73.61	2,237.80	-7,974.55	8,370.97	8,341.28	29.69	281.955		
1,800.00	1,783.77	4,004.02	3,814.70	8.54	29.52	-75.51	2,040.35	-7,885.25	8,342.71	8,308.09	34.63	240.941		
1,900.00	1,882.40	4,028.00	3,837.19	8.97	29.73	-75.58	2,033.20	-7,881.03	8,313.90	8,278.63	35.27	235.731		
2,000.00	1,981.03	4,062.05	3,869.16	9.41	30.02	-75.68	2,022.94	-7,875.32	8,285.86	8,249.87	35.99	230.220		
2,100.00	2,079.66	4,085.96	3,891.61	9.84	30.22	-75.75	2,015.64	-7,871.56	8,258.71	8,222.06	36.65	225.341		
2,200.00	2,178.28	4,117.00	3,920.77	10.29	30.49	-75.84	2,006.05	-7,866.99	8,232.44	8,195.07	37.36	220.335		
2,300.00	2,276.91	4,148.00	3,949.90	10.73	30.75	-75.94	1,996.34	-7,862.68	8,206.97	8,168.88	38.09	215.474		
2,400.00	2,375.54	4,208.00	4,006.19	11.18	31.26	-76.13	1,977.14	-7,854.77	8,182.23	8,143.20	39.03	209.653		
2,500.00	2,474.17	4,268.59	4,062.99	11.62	31.79	-76.32	1,957.52	-7,847.06	8,158.00	8,118.02	39.98	204.038		
2,600.00	2,572.80	4,381.13	4,168.49	12.07	32.75	-76.69	1,921.14	-7,832.53	8,133.91	8,092.58	41.33	196.827		
2,700.00	2,671.43	4,729.13	4,494.77	12.52	35.75	-77.79	1,811.84	-7,780.83	8,108.83	8,064.50	44.33	182.916		
2,800.00	2,770.05	4,784.17	4,546.36	12.97	36.23	-77.96	1,794.99	-7,771.66	8,082.34	8,037.09	45.25	178.612		
2,900.00	2,868.68	4,833.00	4,592.12	13.43	36.65	-78.12	1,779.85	-7,763.85	8,056.51	8,010.37	46.13	174.638		
3,000.00	2,967.31	4,892.43	4,647.81	13.88	37.17	-78.31	1,761.22	-7,754.63	8,031.25	7,984.15	47.10	170.520		
3,100.00	3,065.94	4,964.63	4,715.42	14.34	37.79	-78.54	1,738.44	-7,743.65	8,006.45	7,958.29	48.16	166.244		
3,200.00	3,164.57	5,031.28	4,777.86	14.79	38.37	-78.76	1,717.38	-7,733.61	7,982.00	7,932.81	49.19	162.272		
3,300.00	3,263.20	5,078.71	4,822.31	15.25	38.78	-78.91	1,702.35	-7,726.68	7,958.15	7,908.07	50.08	158.900		
3,400.00	3,361.83	5,130.84	4,871.19	15.71	39.23	-79.09	1,685.79	-7,719.33	7,934.96	7,883.95	51.01	155.545		
3,500.00	3,460.45	5,191.00	4,927.63	16.17	39.75	-79.29	1,666.66	-7,711.09	7,912.36	7,860.35	52.01	152.140		
3,600.00	3,559.08	5,246.80	4,980.02	16.62	40.23	-79.47	1,648.96	-7,703.65	7,890.31	7,837.34	52.97	148.958		
3,700.00	3,657.71	5,307.12	5,036.71	17.08	40.74	-79.67	1,629.90	-7,695.80	7,868.81	7,814.84	53.97	145.802		
3,800.00	3,756.34	5,370.00	5,095.76	17.54	41.28	-79.88	1,609.80	-7,687.87	7,847.85	7,792.86	54.99	142.710		
3,900.00	3,854.97	5,424.41	5,146.84	18.00	41.75	-80.07	1,592.28	-7,681.24	7,827.46	7,771.50	55.96	139.885		
4,000.00	3,953.60	5,488.75	5,207.29	18.46	42.29	-80.29	1,571.60	-7,673.63	7,807.65	7,750.65	57.00	136.985		
4,100.00	4,052.23	5,590.43	5,302.94	18.92	43.15	-80.63	1,539.24	-7,661.66	7,788.21	7,729.90	58.32	133.550		
4,200.00	4,150.85	5,639.00	5,348.59	19.39	43.57	-80.80	1,523.74	-7,655.78	7,768.88	7,709.63	59.24	131.138		
4,300.00	4,249.48	5,695.01	5,401.22	19.85	44.04	-80.99	1,505.71	-7,649.28	7,750.16	7,689.93	60.23	128.680		
4,400.00	4,348.11	5,728.00	5,432.23	20.31	44.32	-81.11	1,495.00	-7,645.79	7,732.42	7,671.38	61.04	126.680		
4,500.00	4,446.74	6,021.32	5,707.56	20.77	46.83	-82.13	1,400.15	-7,610.86	7,713.19	7,649.35	63.84	120.818		
4,600.00	4,545.37	6,055.81	5,739.96	21.23	47.13	-82.25	1,389.18	-7,606.49	7,694.26	7,629.58	64.68	118.967		
4,700.00	4,644.00	6,700.00	5,916.79	21.70	35.44	-82.91	1,328.78	-7,582.84	7,676.07	7,621.68	54.39	141.129		
4,800.00	4,742.63	6,320.18	5,988.11	22.16	49.40	-83.18	1,304.80	-7,572.10	7,656.48	7,588.66	67.82	112.894		
4,900.00	4,841.25	6,355.00	6,020.78	22.62	49.70	-83.30	1,293.64	-7,567.59	7,637.98	7,569.32	68.67	111.234		
5,000.00	4,939.88	6,355.00	6,020.78	23.09	49.70	-83.30	1,293.64	-7,567.59	7,620.49	7,551.25	69.25	110.049		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,100.00	5,038.51	6,399.75	6,062.78	23.55	50.08	-83.46	1,279.09	-7,562.34	7,603.84	7,533.67	70.17	108.364		
5,200.00	5,137.14	6,445.00	6,105.23	24.02	50.47	-83.62	1,264.15	-7,557.69	7,588.33	7,517.23	71.10	106.733		
5,300.00	5,235.77	6,445.00	6,105.23	24.48	50.47	-83.62	1,264.15	-7,557.69	7,573.65	7,501.99	71.66	105.686		
5,400.00	5,334.40	6,494.35	6,151.60	24.94	50.88	-83.80	1,247.89	-7,553.15	7,559.91	7,487.30	72.61	104.111		
5,500.00	5,433.03	6,534.00	6,188.96	25.41	51.21	-83.94	1,235.04	-7,549.77	7,547.04	7,473.55	73.49	102.699		
5,600.00	5,531.65	6,534.00	6,188.96	25.87	51.21	-83.94	1,235.04	-7,549.77	7,535.23	7,461.20	74.03	101.781		
5,700.00	5,630.28	6,534.00	6,188.96	26.34	51.21	-83.94	1,235.04	-7,549.77	7,524.74	7,450.17	74.57	100.907		
5,800.00	5,728.91	6,534.00	6,188.96	26.80	51.21	-83.94	1,235.04	-7,549.77	7,515.56	7,440.46	75.10	100.078		
5,900.00	5,827.54	6,581.00	6,233.34	27.27	51.58	-84.11	1,219.85	-7,546.85	7,506.61	7,430.60	76.00	98.767		
6,000.00	5,926.17	6,624.00	6,273.97	27.73	51.92	-84.27	1,205.82	-7,545.86	7,499.94	7,423.07	76.87	97.562		
6,100.00	6,024.80	6,624.00	6,273.97	28.20	51.92	-84.27	1,205.82	-7,545.86	7,493.68	7,416.30	77.38	96.847		
6,200.00	6,123.43	6,624.00	6,273.97	28.66	51.92	-84.27	1,205.82	-7,545.86	7,488.75	7,410.88	77.87	96.172		
6,272.77	6,195.20	6,624.00	6,273.97	29.00	51.92	-84.27	1,205.82	-7,545.86	7,486.00	7,407.78	78.22	95.707		
6,292.10	6,214.26	6,624.00	6,273.97	29.09	51.92	-94.65	1,205.82	-7,545.86	7,485.68	7,407.37	78.31	95.591 CC, ES		
6,300.00	6,222.05	6,624.00	6,273.97	29.13	51.92	-98.81	1,205.82	-7,545.86	7,485.74	7,407.39	78.35	95.546		
6,350.00	6,271.23	6,624.00	6,273.97	29.36	51.92	-121.43	1,205.82	-7,545.86	7,488.54	7,409.96	78.58	95.301		
6,400.00	6,319.99	6,624.00	6,273.97	29.58	51.92	-136.36	1,205.82	-7,545.86	7,495.57	7,416.77	78.80	95.123		
6,450.00	6,368.01	6,624.00	6,273.97	29.79	51.92	-145.68	1,205.82	-7,545.86	7,506.78	7,427.77	79.01	95.014		
6,500.00	6,415.02	6,624.00	6,273.97	29.99	51.92	-151.71	1,205.82	-7,545.86	7,522.08	7,442.88	79.20	94.972 SF		
6,550.00	6,460.71	6,624.00	6,273.97	30.18	51.92	-155.78	1,205.82	-7,545.86	7,541.36	7,461.97	79.39	94.997		
6,600.00	6,504.81	6,624.00	6,273.97	30.36	51.92	-158.66	1,205.82	-7,545.86	7,564.45	7,484.90	79.55	95.086		
6,650.00	6,547.04	6,624.00	6,273.97	30.53	51.92	-160.74	1,205.82	-7,545.86	7,591.20	7,511.49	79.71	95.238		
6,700.00	6,587.14	6,624.00	6,273.97	30.69	51.92	-162.27	1,205.82	-7,545.86	7,621.39	7,541.54	79.85	95.449		
6,750.00	6,624.87	6,624.00	6,273.97	30.83	51.92	-163.40	1,205.82	-7,545.86	7,654.79	7,574.82	79.97	95.719		
6,800.00	6,660.00	6,624.00	6,273.97	30.96	51.92	-164.19	1,205.82	-7,545.86	7,691.17	7,611.09	80.08	96.042		
6,850.00	6,692.30	6,624.00	6,273.97	31.07	51.92	-164.72	1,205.82	-7,545.86	7,730.25	7,650.08	80.18	96.415		
6,900.00	6,721.58	6,624.00	6,273.97	31.23	51.92	-164.98	1,205.82	-7,545.86	7,771.77	7,691.51	80.26	96.835		
6,950.00	6,747.66	6,665.34	6,313.02	31.56	52.21	-165.32	1,192.31	-7,546.88	7,814.09	7,733.40	80.70	96.834		
7,000.00	6,770.37	6,666.80	6,314.40	31.92	52.22	-165.05	1,191.83	-7,546.96	7,859.48	7,778.71	80.76	97.313		
7,050.00	6,789.58	6,667.98	6,315.51	32.33	52.23	-164.33	1,191.45	-7,547.03	7,906.40	7,825.58	80.82	97.827		
7,100.00	6,805.17	6,668.88	6,316.36	32.78	52.23	-162.78	1,191.15	-7,547.08	7,954.56	7,873.69	80.86	98.371		
7,150.00	6,817.03	6,669.50	6,316.95	33.27	52.24	-159.29	1,190.95	-7,547.12	8,003.62	7,922.73	80.89	98.940		
7,200.00	6,825.11	6,669.83	6,317.27	33.80	52.24	-148.27	1,190.84	-7,547.14	8,053.28	7,972.36	80.91	99.528		
7,250.00	6,829.35	6,669.89	6,317.32	34.37	52.24	-66.15	1,190.82	-7,547.14	8,103.22	8,022.29	80.93	100.129		
7,273.12	6,830.00	6,669.83	6,317.26	34.65	52.24	-23.94	1,190.85	-7,547.14	8,126.32	8,045.39	80.93	100.409		
7,300.00	6,830.28	6,669.71	6,317.15	34.98	52.24	-23.94	1,190.88	-7,547.13	8,153.16	8,072.23	80.94	100.735		
7,400.00	6,831.31	6,669.31	6,316.77	36.32	52.23	-23.93	1,191.02	-7,547.10	8,253.03	8,172.08	80.95	101.948		
7,500.00	6,832.34	6,668.91	6,316.39	37.83	52.23	-23.93	1,191.15	-7,547.08	8,352.90	8,271.93	80.97	103.158		
7,600.00	6,833.37	6,668.52	6,316.02	39.49	52.23	-23.92	1,191.27	-7,547.06	8,452.77	8,371.78	80.99	104.367		
7,700.00	6,834.40	6,668.14	6,315.66	41.27	52.23	-23.92	1,191.40	-7,547.04	8,552.64	8,471.63	81.01	105.575		
7,800.00	6,835.44	6,667.76	6,315.31	43.17	52.22	-23.91	1,191.52	-7,547.01	8,652.52	8,571.49	81.03	106.780		
7,900.00	6,836.47	6,667.40	6,314.96	45.17	52.22	-23.91	1,191.64	-7,546.99	8,752.40	8,671.35	81.05	107.983		
8,000.00	6,837.50	6,667.04	6,314.63	47.26	52.22	-23.91	1,191.75	-7,546.97	8,852.28	8,771.21	81.08	109.184		
8,100.00	6,838.53	6,666.69	6,314.30	49.43	52.22	-23.90	1,191.87	-7,546.95	8,952.17	8,871.07	81.10	110.383		
8,200.00	6,839.56	6,666.34	6,313.97	51.66	52.21	-23.90	1,191.98	-7,546.93	9,052.05	8,970.93	81.13	111.580		
8,300.00	6,840.59	6,666.01	6,313.65	53.95	52.21	-23.89	1,192.09	-7,546.92	9,151.94	9,070.79	81.15	112.775		
8,400.00	6,841.62	6,665.68	6,313.34	56.29	52.21	-23.89	1,192.20	-7,546.90	9,251.83	9,170.66	81.18	113.968		
8,500.00	6,842.65	6,665.36	6,313.04	58.67	52.21	-23.89	1,192.30	-7,546.88	9,351.73	9,270.52	81.21	115.159		
8,600.00	6,843.68	6,624.00	6,273.97	61.10	51.92	-23.46	1,205.82	-7,545.86	9,452.91	9,372.02	80.89	116.868		
8,700.00	6,844.71	6,624.00	6,273.97	63.56	51.92	-23.46	1,205.82	-7,545.86	9,552.79	9,471.87	80.92	118.053		
8,800.00	6,845.75	6,624.00	6,273.97	66.05	51.92	-23.46	1,205.82	-7,545.86	9,652.67	9,571.71	80.95	119.236		
8,900.00	6,846.78	6,624.00	6,273.97	68.58	51.92	-23.46	1,205.82	-7,545.86	9,752.55	9,671.56	80.99	120.417		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)		
9,000.00	6,847.81	6,624.00	6,273.97	71.12	51.92	-23.46	1,205.82	-7,545.86	9,852.43	9,771.41	81.03	121.595	
9,100.00	6,848.84	6,624.00	6,273.97	73.69	51.92	-23.46	1,205.82	-7,545.86	9,952.32	9,871.26	81.06	122.770	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-87.24	359.24	-7,448.88	7,457.55					
100.00	100.00	87.00	87.00	3.28	3.61	-87.24	359.24	-7,448.88	7,457.54	7,450.64	6.90	1,080.930		
200.00	200.00	187.00	187.00	3.34	5.80	-87.24	359.24	-7,448.88	7,457.54	7,448.40	9.14	816.247		
300.00	300.00	287.00	287.00	3.44	8.90	-87.24	359.24	-7,448.88	7,457.54	7,445.20	12.35	604.093		
400.00	399.98	386.98	386.98	3.60	12.21	-83.30	359.24	-7,448.88	7,457.34	7,441.52	15.82	471.516		
500.00	499.84	486.84	486.84	3.81	15.60	-83.35	359.24	-7,448.88	7,456.73	7,437.32	19.40	384.294		
600.00	599.45	586.45	586.45	4.06	19.01	-83.43	359.24	-7,448.88	7,455.72	7,432.66	23.06	323.348		
700.00	698.70	685.70	685.70	4.34	22.43	-83.55	359.24	-7,448.88	7,454.33	7,427.58	26.75	278.636		
775.00	772.83	759.83	759.83	4.57	25.00	-83.67	359.24	-7,448.88	7,453.04	7,423.50	29.54	252.291		
800.00	797.48	784.48	784.48	4.65	25.85	-83.70	359.24	-7,448.88	7,452.58	7,422.11	30.47	244.558		
900.00	896.11	883.11	883.11	4.97	29.27	-83.82	359.24	-7,448.88	7,450.77	7,416.54	34.22	217.713		
1,000.00	994.74	981.74	981.74	5.31	32.69	-83.95	359.24	-7,448.88	7,448.98	7,410.98	38.00	196.036		
1,100.00	1,093.37	1,080.37	1,080.37	5.68	36.12	-84.07	359.24	-7,448.88	7,447.24	7,405.44	41.79	178.189		
1,200.00	1,192.00	1,179.00	1,179.00	6.06	39.55	-84.20	359.24	-7,448.88	7,445.53	7,399.92	45.61	163.256		
1,300.00	1,290.63	1,277.63	1,277.63	6.45	42.98	-84.32	359.24	-7,448.88	7,443.85	7,394.42	49.43	150.587		
1,400.00	1,389.26	1,376.26	1,376.26	6.86	46.42	-84.44	359.24	-7,448.88	7,442.21	7,388.95	53.27	139.710		
1,500.00	1,487.88	1,474.88	1,474.88	7.27	49.85	-84.57	359.24	-7,448.88	7,440.61	7,383.50	57.12	130.274		
1,600.00	1,586.51	1,573.51	1,573.51	7.69	53.29	-84.69	359.24	-7,448.88	7,439.05	7,378.08	60.97	122.014		
1,700.00	1,685.14	1,672.14	1,672.14	8.11	56.72	-84.82	359.24	-7,448.88	7,437.52	7,372.69	64.83	114.725		
1,800.00	1,783.77	1,770.77	1,770.77	8.54	60.16	-84.94	359.24	-7,448.88	7,436.03	7,367.33	68.69	108.247		
1,900.00	1,882.40	1,869.40	1,869.40	8.97	63.60	-85.07	359.24	-7,448.88	7,434.57	7,362.00	72.57	102.454		
2,000.00	1,981.03	1,968.03	1,968.03	9.41	67.04	-85.19	359.24	-7,448.88	7,433.15	7,356.71	76.44	97.242		
2,100.00	2,079.66	2,066.66	2,066.66	9.84	70.48	-85.32	359.24	-7,448.88	7,431.77	7,351.45	80.32	92.530		
2,200.00	2,178.28	2,165.28	2,165.28	10.29	73.92	-85.44	359.24	-7,448.88	7,430.42	7,346.22	84.20	88.249		
2,300.00	2,276.91	2,263.91	2,263.91	10.73	77.36	-85.57	359.24	-7,448.88	7,429.11	7,341.03	88.08	84.344		
2,400.00	2,375.54	2,362.54	2,362.54	11.18	80.80	-85.69	359.24	-7,448.88	7,427.83	7,335.87	91.97	80.766		
2,500.00	2,474.17	2,461.17	2,461.17	11.62	84.24	-85.82	359.24	-7,448.88	7,426.60	7,330.74	95.86	77.477		
2,600.00	2,572.80	2,559.80	2,559.80	12.07	87.68	-85.95	359.24	-7,448.88	7,425.39	7,325.65	99.74	74.444		
2,700.00	2,671.43	2,658.43	2,658.43	12.52	91.12	-86.07	359.24	-7,448.88	7,424.23	7,320.59	103.64	71.637		
2,800.00	2,770.05	2,757.05	2,757.05	12.97	94.56	-86.20	359.24	-7,448.88	7,423.10	7,315.57	107.53	69.033		
2,900.00	2,868.68	2,855.68	2,855.68	13.43	98.00	-86.32	359.24	-7,448.88	7,422.01	7,310.59	111.42	66.611		
3,000.00	2,967.31	2,954.31	2,954.31	13.88	101.44	-86.45	359.24	-7,448.88	7,420.95	7,305.63	115.32	64.352		
3,100.00	3,065.94	3,052.94	3,052.94	14.34	104.88	-86.57	359.24	-7,448.88	7,419.93	7,300.72	119.22	62.240		
3,200.00	3,164.57	3,151.57	3,151.57	14.79	108.33	-86.70	359.24	-7,448.88	7,418.95	7,295.84	123.11	60.262		
3,300.00	3,263.20	3,250.20	3,250.20	15.25	111.77	-86.82	359.24	-7,448.88	7,418.01	7,291.00	127.01	58.405		
3,400.00	3,361.83	3,348.83	3,348.83	15.71	115.21	-86.95	359.24	-7,448.88	7,417.10	7,286.19	130.91	56.658		
3,500.00	3,460.45	3,447.45	3,447.45	16.17	118.65	-87.07	359.24	-7,448.88	7,416.23	7,281.42	134.81	55.013		
3,600.00	3,559.08	3,546.08	3,546.08	16.62	122.09	-87.20	359.24	-7,448.88	7,415.39	7,276.68	138.71	53.460		
3,700.00	3,657.71	3,644.71	3,644.71	17.08	125.53	-87.33	359.24	-7,448.88	7,414.59	7,271.98	142.61	51.992		
3,800.00	3,756.34	3,743.34	3,743.34	17.54	128.98	-87.45	359.24	-7,448.88	7,413.83	7,267.32	146.51	50.602		
3,900.00	3,854.97	3,841.97	3,841.97	18.00	132.42	-87.58	359.24	-7,448.88	7,413.10	7,262.69	150.42	49.284		
4,000.00	3,953.60	3,940.60	3,940.60	18.46	135.86	-87.70	359.24	-7,448.88	7,412.41	7,258.10	154.32	48.033		
4,100.00	4,052.23	4,039.23	4,039.23	18.92	139.30	-87.83	359.24	-7,448.88	7,411.76	7,253.54	158.22	46.844		
4,200.00	4,150.85	4,137.85	4,137.85	19.39	142.74	-87.95	359.24	-7,448.88	7,411.15	7,249.02	162.13	45.712		
4,300.00	4,249.48	4,236.48	4,236.48	19.85	146.19	-88.08	359.24	-7,448.88	7,410.57	7,244.54	166.03	44.634		
4,400.00	4,348.11	4,335.11	4,335.11	20.31	149.63	-88.21	359.24	-7,448.88	7,410.02	7,240.09	169.93	43.605		
4,500.00	4,446.74	4,433.74	4,433.74	20.77	153.07	-88.33	359.24	-7,448.88	7,409.52	7,235.68	173.84	42.623		
4,600.00	4,545.37	4,532.37	4,532.37	21.23	156.51	-88.46	359.24	-7,448.88	7,409.05	7,231.31	177.74	41.684		
4,700.00	4,644.00	4,631.00	4,631.00	21.70	159.96	-88.58	359.24	-7,448.88	7,408.62	7,226.97	181.65	40.785		
4,800.00	4,742.63	4,729.63	4,729.63	22.16	163.40	-88.71	359.24	-7,448.88	7,408.22	7,222.67	185.55	39.925		
4,900.00	4,841.25	4,828.25	4,828.25	22.62	166.84	-88.84	359.24	-7,448.88	7,407.86	7,218.40	189.46	39.100		
5,000.00	4,939.88	4,926.88	4,926.88	23.09	170.28	-88.96	359.24	-7,448.88	7,407.54	7,214.18	193.37	38.308		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,025.51	5,025.51	23.55	173.73	-89.09	359.24	-7,448.88	7,407.26	7,209.98	197.27	37.548		
5,200.00	5,137.14	5,124.14	5,124.14	24.02	177.17	-89.21	359.24	-7,448.88	7,407.01	7,205.83	201.18	36.818		
5,300.00	5,235.77	5,222.77	5,222.77	24.48	180.61	-89.34	359.24	-7,448.88	7,406.80	7,201.71	205.09	36.115		
5,400.00	5,334.40	5,321.40	5,321.40	24.94	184.05	-89.46	359.24	-7,448.88	7,406.62	7,197.63	208.99	35.439		
5,500.00	5,433.03	5,420.03	5,420.03	25.41	187.50	-89.59	359.24	-7,448.88	7,406.48	7,193.58	212.90	34.788		
5,600.00	5,531.65	5,518.65	5,518.65	25.87	190.94	-89.72	359.24	-7,448.88	7,406.38	7,189.57	216.81	34.161		
5,700.00	5,630.28	5,617.28	5,617.28	26.34	194.38	-89.84	359.24	-7,448.88	7,406.32	7,185.60	220.72	33.556		
5,800.00	5,728.91	5,715.91	5,715.91	26.80	197.82	-89.97	359.24	-7,448.88	7,406.29	7,181.67	224.62	32.972		
5,825.14	5,753.70	5,740.70	5,740.70	26.92	198.69	-90.00	359.24	-7,448.88	7,406.29	7,180.68	225.61	32.828 CC		
5,900.00	5,827.54	5,814.54	5,814.54	27.27	201.27	-90.09	359.24	-7,448.88	7,406.30	7,177.77	228.53	32.408		
6,000.00	5,926.17	5,913.17	5,913.17	27.73	204.71	-90.22	359.24	-7,448.88	7,406.35	7,173.91	232.44	31.863		
6,100.00	6,024.80	6,011.80	6,011.80	28.20	208.15	-90.35	359.24	-7,448.88	7,406.43	7,170.08	236.35	31.337		
6,200.00	6,123.43	6,110.43	6,110.43	28.66	211.60	-90.47	359.24	-7,448.88	7,406.55	7,166.29	240.26	30.828		
6,272.77	6,195.20	6,182.20	6,182.20	29.00	214.10	-90.56	359.24	-7,448.88	7,406.66	7,163.56	243.10	30.467		
6,300.00	6,222.05	6,209.05	6,209.05	29.13	215.04	-105.14	359.24	-7,448.88	7,407.29	7,163.12	244.16	30.337 ES		
6,350.00	6,271.23	6,258.23	6,258.23	29.36	216.75	-127.86	359.24	-7,448.88	7,411.46	7,165.35	246.11	30.115		
6,400.00	6,319.99	6,306.99	6,306.99	29.58	218.46	-142.93	359.24	-7,448.88	7,419.53	7,171.50	248.03	29.914		
6,450.00	6,368.01	6,355.01	6,355.01	29.79	220.13	-152.43	359.24	-7,448.88	7,431.44	7,181.52	249.92	29.735		
6,500.00	6,415.02	6,402.02	6,402.02	29.99	221.77	-158.68	359.24	-7,448.88	7,447.11	7,195.35	251.76	29.580		
6,550.00	6,460.71	6,447.71	6,447.71	30.18	223.37	-163.05	359.24	-7,448.88	7,466.45	7,212.90	253.55	29.448		
6,600.00	6,504.81	6,508.19	6,491.81	30.36	225.48	-166.27	359.24	-7,448.88	7,489.34	7,233.50	255.84	29.273		
6,650.00	6,547.04	6,534.04	6,534.04	30.53	226.38	-168.78	359.24	-7,448.88	7,515.63	7,258.72	256.91	29.254		
6,700.00	6,587.14	6,574.14	6,574.14	30.69	227.78	-170.83	359.24	-7,448.88	7,545.17	7,286.70	258.47	29.192		
6,750.00	6,624.87	6,611.87	6,611.87	30.83	229.10	-172.60	359.24	-7,448.88	7,577.76	7,317.84	259.93	29.153		
6,800.00	6,660.00	6,647.00	6,647.00	30.96	230.33	-174.20	359.24	-7,448.88	7,613.21	7,351.93	261.28	29.138 SF		
6,850.00	6,692.30	6,679.30	6,679.30	31.07	231.45	-175.73	359.24	-7,448.88	7,651.30	7,388.78	262.52	29.145		
6,900.00	6,721.58	6,708.58	6,708.58	31.23	232.47	-177.31	359.24	-7,448.88	7,691.79	7,428.15	263.64	29.175		
6,950.00	6,747.66	6,734.66	6,734.66	31.56	233.38	-179.04	359.24	-7,448.88	7,734.43	7,469.80	264.63	29.227		
7,000.00	6,770.37	6,757.37	6,757.37	31.92	234.18	-178.89	359.24	-7,448.88	7,778.96	7,513.47	265.49	29.300		
7,050.00	6,789.58	6,776.58	6,776.58	32.33	234.85	-176.18	359.24	-7,448.88	7,825.10	7,558.89	266.22	29.394		
7,100.00	6,805.17	6,807.83	6,792.17	32.78	235.94	-172.25	359.24	-7,448.88	7,872.58	7,605.23	267.35	29.447		
7,150.00	6,817.03	6,804.03	6,804.03	33.27	235.81	-165.71	359.24	-7,448.88	7,921.09	7,653.85	267.24	29.641		
7,200.00	6,825.11	6,812.11	6,812.11	33.80	236.09	-152.62	359.24	-7,448.88	7,970.33	7,702.80	267.53	29.792		
7,250.00	6,829.35	6,816.35	6,816.35	34.37	236.24	-121.08	359.24	-7,448.88	8,020.02	7,752.33	267.69	29.960		
7,273.12	6,830.00	6,817.00	6,817.00	34.65	236.26	-97.14	359.24	-7,448.88	8,043.06	7,775.35	267.71	30.044		
7,300.00	6,830.28	6,817.28	6,817.28	34.98	236.27	-97.16	359.24	-7,448.88	8,069.84	7,802.13	267.72	30.143		
7,400.00	6,831.31	6,818.31	6,818.31	36.32	236.30	-97.25	359.24	-7,448.88	8,169.51	7,901.76	267.75	30.512		
7,500.00	6,832.34	6,819.34	6,819.34	37.83	236.34	-97.34	359.24	-7,448.88	8,269.18	8,001.40	267.79	30.880		
7,600.00	6,833.37	6,820.37	6,820.37	39.49	236.38	-97.43	359.24	-7,448.88	8,368.86	8,101.04	267.82	31.248		
7,700.00	6,834.40	6,821.40	6,821.40	41.27	236.41	-97.52	359.24	-7,448.88	8,468.55	8,200.68	267.86	31.615		
7,800.00	6,835.44	6,822.44	6,822.44	43.17	236.45	-97.60	359.24	-7,448.88	8,568.24	8,300.34	267.91	31.982		
7,900.00	6,836.47	6,823.47	6,823.47	45.17	236.48	-97.69	359.24	-7,448.88	8,667.94	8,399.99	267.95	32.349		
8,000.00	6,837.50	6,824.50	6,824.50	47.26	236.52	-97.78	359.24	-7,448.88	8,767.65	8,499.65	268.00	32.715		
8,100.00	6,838.53	6,825.53	6,825.53	49.43	236.56	-97.87	359.24	-7,448.88	8,867.37	8,599.32	268.05	33.081		
8,200.00	6,839.56	6,826.56	6,826.56	51.66	236.59	-97.96	359.24	-7,448.88	8,967.09	8,698.99	268.10	33.447		
8,300.00	6,840.59	6,827.59	6,827.59	53.95	236.63	-98.04	359.24	-7,448.88	9,066.81	8,798.66	268.16	33.812		
8,400.00	6,841.62	6,828.62	6,828.62	56.29	236.66	-98.13	359.24	-7,448.88	9,166.55	8,898.33	268.21	34.177		
8,500.00	6,842.65	6,829.65	6,829.65	58.67	236.70	-98.22	359.24	-7,448.88	9,266.28	8,998.01	268.27	34.541		
8,600.00	6,843.68	6,830.68	6,830.68	61.10	236.74	-98.31	359.24	-7,448.88	9,366.03	9,097.70	268.33	34.905		
8,700.00	6,844.71	6,831.71	6,831.71	63.56	236.77	-98.40	359.24	-7,448.88	9,465.78	9,197.38	268.39	35.268		
8,800.00	6,845.75	6,832.75	6,832.75	66.05	236.81	-98.48	359.24	-7,448.88	9,565.53	9,297.07	268.46	35.632		
8,900.00	6,846.78	6,833.78	6,833.78	68.58	236.84	-98.57	359.24	-7,448.88	9,665.29	9,396.77	268.52	35.994		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)		
9,000.00	6,847.81	6,834.81	6,834.81	71.12	236.88	98.66	359.24	-7,448.88	9,765.05	9,496.46	268.59	36.357	
9,100.00	6,848.84	6,835.84	6,835.84	73.69	236.92	98.75	359.24	-7,448.88	9,864.82	9,596.16	268.66	36.719	
9,200.00	6,849.87	6,836.87	6,836.87	76.28	236.95	98.83	359.24	-7,448.88	9,964.60	9,695.87	268.73	37.081	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-86.27	390.16	-5,983.26	5,995.97					
100.00	100.00	135.00	135.00	3.28	4.42	-86.27	390.16	-5,983.26	5,995.97	5,988.26	7.71	777.912		
200.00	200.00	235.00	235.00	3.34	7.24	-86.27	390.16	-5,983.26	5,995.97	5,985.39	10.58	566.697		
300.00	300.00	335.00	335.00	3.44	10.48	-86.27	390.16	-5,983.26	5,995.97	5,982.05	13.92	430.715		
400.00	399.98	434.98	434.98	3.60	13.83	-82.33	390.16	-5,983.26	5,995.74	5,978.30	17.44	343.849		
500.00	499.84	534.84	534.84	3.81	17.24	-82.39	390.16	-5,983.26	5,995.04	5,973.99	21.05	284.860		
600.00	599.45	634.45	634.45	4.06	20.67	-82.50	390.16	-5,983.26	5,993.89	5,969.18	24.71	242.565		
700.00	698.70	733.70	733.70	4.34	24.09	-82.64	390.16	-5,983.26	5,992.30	5,963.89	28.41	210.908		
775.00	772.83	807.83	807.83	4.57	26.66	-82.78	390.16	-5,983.26	5,990.84	5,959.63	31.20	191.992		
800.00	797.48	832.48	832.48	4.65	27.51	-82.82	390.16	-5,983.26	5,990.31	5,958.18	32.14	186.401		
900.00	896.11	931.11	931.11	4.97	30.93	-82.97	390.16	-5,983.26	5,988.24	5,952.36	35.89	166.857		
1,000.00	994.74	1,029.74	1,029.74	5.31	34.36	-83.13	390.16	-5,983.26	5,986.22	5,946.55	39.67	150.917		
1,100.00	1,093.37	1,128.37	1,128.37	5.68	37.79	-83.28	390.16	-5,983.26	5,984.24	5,940.78	43.46	137.686		
1,200.00	1,192.00	1,227.00	1,227.00	6.06	41.22	-83.44	390.16	-5,983.26	5,982.31	5,935.03	47.28	126.539		
1,300.00	1,290.63	1,325.63	1,325.63	6.45	44.65	-83.59	390.16	-5,983.26	5,980.42	5,929.31	51.10	117.027		
1,400.00	1,389.26	1,424.26	1,424.26	6.86	48.09	-83.75	390.16	-5,983.26	5,978.57	5,923.63	54.94	108.819		
1,500.00	1,487.88	1,522.88	1,522.88	7.27	51.52	-83.90	390.16	-5,983.26	5,976.77	5,917.99	58.79	101.668		
1,600.00	1,586.51	1,621.51	1,621.51	7.69	54.96	-84.06	390.16	-5,983.26	5,975.02	5,912.38	62.64	95.385		
1,700.00	1,685.14	1,720.14	1,720.14	8.11	58.40	-84.21	390.16	-5,983.26	5,973.31	5,906.81	66.50	89.822		
1,800.00	1,783.77	1,818.77	1,818.77	8.54	61.83	-84.37	390.16	-5,983.26	5,971.65	5,901.28	70.37	84.863		
1,900.00	1,882.40	1,917.40	1,917.40	8.97	65.27	-84.52	390.16	-5,983.26	5,970.03	5,895.79	74.24	80.417		
2,000.00	1,981.03	2,016.03	2,016.03	9.41	68.71	-84.68	390.16	-5,983.26	5,968.45	5,890.34	78.11	76.408		
2,100.00	2,079.66	2,114.66	2,114.66	9.84	72.15	-84.84	390.16	-5,983.26	5,966.92	5,884.93	81.99	72.776		
2,200.00	2,178.28	2,213.28	2,213.28	10.29	75.59	-84.99	390.16	-5,983.26	5,965.44	5,879.57	85.87	69.469		
2,300.00	2,276.91	2,311.91	2,311.91	10.73	79.03	-85.15	390.16	-5,983.26	5,964.00	5,874.25	89.76	66.447		
2,400.00	2,375.54	2,410.54	2,410.54	11.18	82.47	-85.30	390.16	-5,983.26	5,962.61	5,868.97	93.64	63.675		
2,500.00	2,474.17	2,509.17	2,509.17	11.62	85.91	-85.46	390.16	-5,983.26	5,961.26	5,863.73	97.53	61.123		
2,600.00	2,572.80	2,607.80	2,607.80	12.07	89.35	-85.62	390.16	-5,983.26	5,959.96	5,858.54	101.42	58.766		
2,700.00	2,671.43	2,706.43	2,706.43	12.52	92.79	-85.77	390.16	-5,983.26	5,958.70	5,853.39	105.31	56.582		
2,800.00	2,770.05	2,805.05	2,805.05	12.97	96.24	-85.93	390.16	-5,983.26	5,957.49	5,848.29	109.20	54.554		
2,900.00	2,868.68	2,903.68	2,903.68	13.43	99.68	-86.08	390.16	-5,983.26	5,956.33	5,843.23	113.10	52.665		
3,000.00	2,967.31	3,002.31	3,002.31	13.88	103.12	-86.24	390.16	-5,983.26	5,955.21	5,838.21	116.99	50.902		
3,100.00	3,065.94	3,100.94	3,100.94	14.34	106.56	-86.40	390.16	-5,983.26	5,954.13	5,833.24	120.89	49.253		
3,200.00	3,164.57	3,200.43	3,199.57	14.79	110.03	-86.55	390.16	-5,983.26	5,953.10	5,828.29	124.82	47.695		
3,300.00	3,263.20	3,301.80	3,298.20	15.25	113.57	-86.71	390.16	-5,983.26	5,952.12	5,823.31	128.81	46.208		
3,400.00	3,361.83	3,403.17	3,396.83	15.71	117.11	-86.87	390.16	-5,983.26	5,951.18	5,818.38	132.81	44.811		
3,500.00	3,460.45	3,504.55	3,495.45	16.17	120.64	-87.02	390.16	-5,983.26	5,950.29	5,813.49	136.80	43.496		
3,600.00	3,559.08	3,605.92	3,594.08	16.62	124.18	-87.18	390.16	-5,983.26	5,949.44	5,808.65	140.80	42.255		
3,700.00	3,657.71	3,707.29	3,692.71	17.08	127.72	-87.34	390.16	-5,983.26	5,948.64	5,803.85	144.80	41.083		
3,800.00	3,756.34	3,808.66	3,791.34	17.54	131.26	-87.49	390.16	-5,983.26	5,947.89	5,799.10	148.79	39.974		
3,900.00	3,854.97	3,889.97	3,889.97	18.00	134.09	-87.65	390.16	-5,983.26	5,947.18	5,795.09	152.09	39.103		
4,000.00	3,953.60	3,988.60	3,988.60	18.46	137.54	-87.81	390.16	-5,983.26	5,946.52	5,790.52	155.99	38.120		
4,100.00	4,052.23	4,087.23	4,087.23	18.92	140.98	-87.96	390.16	-5,983.26	5,945.90	5,786.00	159.90	37.186		
4,200.00	4,150.85	4,185.85	4,185.85	19.39	144.42	-88.12	390.16	-5,983.26	5,945.33	5,781.52	163.80	36.296		
4,300.00	4,249.48	4,284.48	4,284.48	19.85	147.86	-88.28	390.16	-5,983.26	5,944.80	5,777.09	167.70	35.448		
4,400.00	4,348.11	4,383.11	4,383.11	20.31	151.30	-88.43	390.16	-5,983.26	5,944.32	5,772.71	171.61	34.639		
4,500.00	4,446.74	4,481.74	4,481.74	20.77	154.75	-88.59	390.16	-5,983.26	5,943.88	5,768.37	175.51	33.866		
4,600.00	4,545.37	4,580.37	4,580.37	21.23	158.19	-88.75	390.16	-5,983.26	5,943.49	5,764.07	179.42	33.126		
4,700.00	4,644.00	4,679.00	4,679.00	21.70	161.63	-88.90	390.16	-5,983.26	5,943.15	5,759.83	183.32	32.419		
4,800.00	4,742.63	4,777.63	4,777.63	22.16	165.07	-89.06	390.16	-5,983.26	5,942.85	5,755.62	187.23	31.741		
4,900.00	4,841.25	4,876.25	4,876.25	22.62	168.52	-89.22	390.16	-5,983.26	5,942.60	5,751.47	191.14	31.091		
5,000.00	4,939.88	4,974.88	4,974.88	23.09	171.96	-89.37	390.16	-5,983.26	5,942.40	5,747.35	195.04	30.467		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,073.51	5,073.51	23.55	175.40	-89.53	390.16	-5,983.26	5,942.24	5,743.29	198.95	29.868		
5,200.00	5,137.14	5,172.14	5,172.14	24.02	178.84	-89.69	390.16	-5,983.26	5,942.12	5,739.27	202.86	29.292		
5,300.00	5,235.77	5,270.77	5,270.77	24.48	182.29	-89.84	390.16	-5,983.26	5,942.05	5,735.29	206.76	28.738		
5,398.79	5,333.21	5,368.21	5,368.21	24.94	185.69	-90.00	390.16	-5,983.26	5,942.03	5,731.41	210.62	28.212 CC		
5,400.00	5,334.40	5,369.40	5,369.40	24.94	185.73	-90.00	390.16	-5,983.26	5,942.03	5,731.36	210.67	28.205		
5,500.00	5,433.03	5,468.03	5,468.03	25.41	189.17	-90.16	390.16	-5,983.26	5,942.06	5,727.48	214.58	27.692		
5,600.00	5,531.65	5,566.65	5,566.65	25.87	192.61	-90.32	390.16	-5,983.26	5,942.12	5,723.64	218.49	27.197		
5,700.00	5,630.28	5,665.28	5,665.28	26.34	196.06	-90.47	390.16	-5,983.26	5,942.24	5,719.85	222.39	26.720		
5,800.00	5,728.91	5,763.91	5,763.91	26.80	199.50	-90.63	390.16	-5,983.26	5,942.40	5,716.10	226.30	26.259		
5,900.00	5,827.54	5,862.54	5,862.54	27.27	202.94	-90.79	390.16	-5,983.26	5,942.61	5,712.40	230.21	25.814		
6,000.00	5,926.17	5,961.17	5,961.17	27.73	206.39	-90.94	390.16	-5,983.26	5,942.86	5,708.74	234.12	25.384		
6,100.00	6,024.80	6,059.80	6,059.80	28.20	209.83	-91.10	390.16	-5,983.26	5,943.16	5,705.13	238.03	24.969		
6,200.00	6,123.43	6,158.43	6,158.43	28.66	213.27	-91.26	390.16	-5,983.26	5,943.50	5,701.57	241.93	24.567		
6,272.77	6,195.20	6,230.20	6,230.20	29.00	215.78	-91.37	390.16	-5,983.26	5,943.78	5,699.00	244.78	24.282		
6,300.00	6,222.05	6,257.05	6,257.05	29.13	216.71	-105.96	390.16	-5,983.26	5,944.47	5,698.63	245.84	24.180 ES		
6,350.00	6,271.23	6,306.23	6,306.23	29.36	218.43	-128.70	390.16	-5,983.26	5,948.76	5,700.98	247.79	24.008		
6,400.00	6,319.99	6,354.99	6,354.99	29.58	220.13	-143.79	390.16	-5,983.26	5,956.94	5,707.23	249.71	23.856		
6,450.00	6,368.01	6,403.01	6,403.01	29.79	221.81	-153.33	390.16	-5,983.26	5,968.95	5,717.36	251.60	23.724		
6,500.00	6,415.02	6,450.02	6,450.02	29.99	223.45	-159.61	390.16	-5,983.26	5,984.73	5,731.29	253.44	23.614		
6,550.00	6,460.71	6,504.29	6,495.71	30.18	225.34	-164.02	390.16	-5,983.26	6,004.16	5,748.63	255.53	23.497		
6,600.00	6,504.81	6,539.81	6,539.81	30.36	226.58	-167.29	390.16	-5,983.26	6,027.13	5,770.19	256.95	23.457		
6,650.00	6,547.04	6,582.04	6,582.04	30.53	228.06	-169.86	390.16	-5,983.26	6,053.50	5,794.91	258.59	23.410		
6,700.00	6,587.14	6,622.14	6,622.14	30.69	229.46	-171.98	390.16	-5,983.26	6,083.10	5,822.95	260.14	23.384		
6,750.00	6,624.87	6,659.87	6,659.87	30.83	230.77	-173.83	390.16	-5,983.26	6,115.74	5,854.14	261.60	23.378		
6,800.00	6,660.00	6,705.00	6,695.00	30.96	232.35	-175.53	390.16	-5,983.26	6,151.23	5,887.93	263.31	23.362 SF		
6,850.00	6,692.30	6,727.30	6,727.30	31.07	233.13	-177.19	390.16	-5,983.26	6,189.35	5,925.15	264.20	23.427		
6,900.00	6,721.58	6,756.58	6,756.58	31.23	234.15	-178.92	390.16	-5,983.26	6,229.86	5,964.54	265.32	23.481		
6,950.00	6,747.66	6,782.66	6,782.66	31.56	235.06	-179.13	390.16	-5,983.26	6,272.50	6,006.20	266.31	23.554		
7,000.00	6,770.37	6,805.37	6,805.37	31.92	235.85	-176.78	390.16	-5,983.26	6,317.03	6,049.86	267.17	23.644		
7,050.00	6,789.58	6,824.58	6,824.58	32.33	236.52	-173.68	390.16	-5,983.26	6,363.15	6,095.26	267.89	23.753		
7,100.00	6,805.17	6,840.17	6,840.17	32.78	237.07	-169.16	390.16	-5,983.26	6,410.60	6,142.13	268.47	23.878		
7,150.00	6,817.03	6,852.03	6,852.03	33.27	237.48	-161.73	390.16	-5,983.26	6,459.07	6,190.16	268.91	24.019		
7,200.00	6,825.11	6,860.11	6,860.11	33.80	237.76	-147.44	390.16	-5,983.26	6,508.27	6,239.07	269.21	24.176		
7,250.00	6,829.35	6,864.35	6,864.35	34.37	237.91	-116.82	390.16	-5,983.26	6,557.90	6,288.54	269.36	24.346		
7,273.12	6,830.00	6,865.00	6,865.00	34.65	237.93	-96.07	390.16	-5,983.26	6,580.91	6,311.53	269.38	24.430		
7,300.00	6,830.28	6,865.28	6,865.28	34.98	237.94	-96.10	390.16	-5,983.26	6,607.66	6,338.27	269.39	24.528		
7,400.00	6,831.31	6,866.31	6,866.31	36.32	237.98	-96.19	390.16	-5,983.26	6,707.20	6,437.78	269.42	24.895		
7,500.00	6,832.34	6,867.34	6,867.34	37.83	238.02	-96.28	390.16	-5,983.26	6,806.75	6,537.30	269.46	25.261		
7,600.00	6,833.37	6,868.37	6,868.37	39.49	238.05	-96.37	390.16	-5,983.26	6,906.32	6,636.82	269.50	25.627		
7,700.00	6,834.40	6,869.40	6,869.40	41.27	238.09	-96.47	390.16	-5,983.26	7,005.90	6,736.36	269.54	25.992		
7,800.00	6,835.44	6,870.44	6,870.44	43.17	238.12	-96.56	390.16	-5,983.26	7,105.49	6,835.90	269.58	26.357		
7,900.00	6,836.47	6,871.47	6,871.47	45.17	238.16	-96.65	390.16	-5,983.26	7,205.09	6,935.46	269.63	26.722		
8,000.00	6,837.50	6,872.50	6,872.50	47.26	238.20	-96.74	390.16	-5,983.26	7,304.70	7,035.02	269.68	27.087		
8,100.00	6,838.53	6,873.53	6,873.53	49.43	238.23	-96.83	390.16	-5,983.26	7,404.32	7,134.59	269.73	27.451		
8,200.00	6,839.56	6,874.56	6,874.56	51.66	238.27	-96.92	390.16	-5,983.26	7,503.95	7,234.16	269.79	27.815		
8,300.00	6,840.59	6,875.59	6,875.59	53.95	238.30	-97.02	390.16	-5,983.26	7,603.59	7,333.75	269.84	28.178		
8,400.00	6,841.62	6,876.62	6,876.62	56.29	238.34	-97.11	390.16	-5,983.26	7,703.24	7,433.34	269.90	28.541		
8,500.00	6,842.65	6,877.65	6,877.65	58.67	238.38	-97.20	390.16	-5,983.26	7,802.90	7,532.94	269.96	28.904		
8,600.00	6,843.68	6,878.68	6,878.68	61.10	238.41	-97.29	390.16	-5,983.26	7,902.57	7,632.54	270.03	29.266		
8,700.00	6,844.71	6,879.71	6,879.71	63.56	238.45	-97.38	390.16	-5,983.26	8,002.24	7,732.15	270.09	29.628		
8,800.00	6,845.75	6,880.75	6,880.75	66.05	238.48	-97.47	390.16	-5,983.26	8,101.93	7,831.77	270.16	29.990		
8,900.00	6,846.78	6,881.78	6,881.78	68.58	238.52	-97.57	390.16	-5,983.26	8,201.62	7,931.39	270.23	30.351		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - REICHERT #1-6 - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
9,000.00	6,847.81	6,882.81	6,882.81	71.12	238.56	97.66	390.16	-5,983.26	8,301.32	8,031.02	270.30	30.712				
9,100.00	6,848.84	6,883.84	6,883.84	73.69	238.59	97.75	390.16	-5,983.26	8,401.02	8,130.65	270.37	31.072				
9,200.00	6,849.87	6,884.87	6,884.87	76.28	238.63	97.84	390.16	-5,983.26	8,500.73	8,230.29	270.44	31.433				
9,300.00	6,850.90	6,885.90	6,885.90	78.89	238.66	97.93	390.16	-5,983.26	8,600.45	8,329.93	270.52	31.793				
9,400.00	6,851.93	6,886.93	6,886.93	81.51	238.70	98.02	390.16	-5,983.26	8,700.18	8,429.58	270.59	32.152				
9,500.00	6,852.96	6,887.96	6,887.96	84.15	238.74	98.11	390.16	-5,983.26	8,799.91	8,529.24	270.67	32.511				
9,600.00	6,853.99	6,888.99	6,888.99	86.80	238.77	98.20	390.16	-5,983.26	8,899.65	8,628.89	270.75	32.870				
9,700.00	6,855.03	6,909.98	6,890.03	89.46	239.50	98.30	390.16	-5,983.26	8,999.39	8,727.86	271.53	33.143				
9,800.00	6,856.06	6,908.94	6,891.06	92.14	239.47	98.39	390.16	-5,983.26	9,099.14	8,827.60	271.54	33.509				
9,900.00	6,857.09	6,907.91	6,892.09	94.83	239.43	98.48	390.16	-5,983.26	9,198.89	8,927.34	271.55	33.875				
10,000.00	6,858.12	6,906.88	6,893.12	97.52	239.40	98.57	390.16	-5,983.26	9,298.65	9,027.08	271.57	34.241				
10,100.00	6,859.15	6,905.85	6,894.15	100.23	239.36	98.66	390.16	-5,983.26	9,398.41	9,126.83	271.58	34.606				
10,200.00	6,860.18	6,904.82	6,895.18	102.94	239.32	98.75	390.16	-5,983.26	9,498.18	9,226.59	271.60	34.972				
10,300.00	6,861.21	6,903.79	6,896.21	105.66	239.29	98.84	390.16	-5,983.26	9,597.95	9,326.34	271.61	35.337				
10,400.00	6,862.24	6,902.76	6,897.24	108.39	239.25	98.93	390.16	-5,983.26	9,697.73	9,426.10	271.63	35.702				
10,500.00	6,863.27	6,901.73	6,898.27	111.12	239.22	99.02	390.16	-5,983.26	9,797.52	9,525.87	271.65	36.067				
10,600.00	6,864.30	6,900.70	6,899.30	113.86	239.18	99.11	390.16	-5,983.26	9,897.30	9,625.63	271.67	36.431				
10,700.00	6,865.34	6,900.34	6,900.34	116.60	239.17	99.20	390.16	-5,983.26	9,997.09	9,725.38	271.71	36.793				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-97.73	-1,166.08	-8,593.51	8,672.27					
100.00	100.00	133.00	133.00	3.28	4.38	-97.73	-1,166.08	-8,593.51	8,672.27	8,664.60	7.66	1,131.967		
200.00	200.00	233.00	233.00	3.34	7.18	-97.73	-1,166.08	-8,593.51	8,672.27	8,661.75	10.52	824.487		
300.00	300.00	333.00	333.00	3.44	10.41	-97.73	-1,166.08	-8,593.51	8,672.27	8,658.41	13.85	625.944 CC		
400.00	399.98	432.98	432.98	3.60	13.77	-93.78	-1,166.08	-8,593.51	8,672.38	8,655.01	17.37	499.294		
500.00	499.84	532.84	532.84	3.81	17.17	-93.80	-1,166.08	-8,593.51	8,672.73	8,651.75	20.98	413.439		
600.00	599.45	632.45	632.45	4.06	20.60	-93.85	-1,166.08	-8,593.51	8,673.31	8,648.67	24.64	351.978		
700.00	698.70	731.70	731.70	4.34	24.02	-93.91	-1,166.08	-8,593.51	8,674.14	8,645.80	28.34	306.042		
775.00	772.83	805.83	805.83	4.57	26.59	-93.97	-1,166.08	-8,593.51	8,674.94	8,643.80	31.13	278.626		
800.00	797.48	830.48	830.48	4.65	27.44	-94.00	-1,166.08	-8,593.51	8,675.23	8,643.16	32.07	270.528		
900.00	896.11	929.11	929.11	4.97	30.86	-94.11	-1,166.08	-8,593.51	8,676.41	8,640.59	35.82	242.222		
1,000.00	994.74	1,027.74	1,027.74	5.31	34.29	-94.21	-1,166.08	-8,593.51	8,677.62	8,638.02	39.60	219.145		
1,100.00	1,093.37	1,126.37	1,126.37	5.68	37.72	-94.32	-1,166.08	-8,593.51	8,678.87	8,635.47	43.40	199.996		
1,200.00	1,192.00	1,225.00	1,225.00	6.06	41.15	-94.43	-1,166.08	-8,593.51	8,680.14	8,632.93	47.21	183.866		
1,300.00	1,290.63	1,323.63	1,323.63	6.45	44.58	-94.53	-1,166.08	-8,593.51	8,681.45	8,630.41	51.04	170.104		
1,400.00	1,389.26	1,422.26	1,422.26	6.86	48.02	-94.64	-1,166.08	-8,593.51	8,682.79	8,627.91	54.87	158.231		
1,500.00	1,487.88	1,520.88	1,520.88	7.27	51.45	-94.75	-1,166.08	-8,593.51	8,684.16	8,625.44	58.72	147.889		
1,600.00	1,586.51	1,619.51	1,619.51	7.69	54.89	-94.86	-1,166.08	-8,593.51	8,685.56	8,622.98	62.58	138.801		
1,700.00	1,685.14	1,718.14	1,718.14	8.11	58.33	-94.96	-1,166.08	-8,593.51	8,686.99	8,620.55	66.44	130.757		
1,800.00	1,783.77	1,816.77	1,816.77	8.54	61.77	-95.07	-1,166.08	-8,593.51	8,688.45	8,618.15	70.30	123.587		
1,900.00	1,882.40	1,915.40	1,915.40	8.97	65.20	-95.18	-1,166.08	-8,593.51	8,689.95	8,615.77	74.17	117.158		
2,000.00	1,981.03	2,014.03	2,014.03	9.41	68.64	-95.28	-1,166.08	-8,593.51	8,691.47	8,613.42	78.05	111.361		
2,100.00	2,079.66	2,112.66	2,112.66	9.84	72.08	-95.39	-1,166.08	-8,593.51	8,693.03	8,611.10	81.93	106.108		
2,200.00	2,178.28	2,211.28	2,211.28	10.29	75.52	-95.50	-1,166.08	-8,593.51	8,694.62	8,608.81	85.81	101.327		
2,300.00	2,276.91	2,309.91	2,309.91	10.73	78.96	-95.60	-1,166.08	-8,593.51	8,696.23	8,606.54	89.69	96.958		
2,400.00	2,375.54	2,408.54	2,408.54	11.18	82.40	-95.71	-1,166.08	-8,593.51	8,697.88	8,604.31	93.58	92.949		
2,500.00	2,474.17	2,507.17	2,507.17	11.62	85.84	-95.82	-1,166.08	-8,593.51	8,699.56	8,602.10	97.47	89.258		
2,600.00	2,572.80	2,605.80	2,605.80	12.07	89.28	-95.92	-1,166.08	-8,593.51	8,701.27	8,599.92	101.36	85.849		
2,700.00	2,671.43	2,704.43	2,704.43	12.52	92.72	-96.03	-1,166.08	-8,593.51	8,703.02	8,597.77	105.25	82.692		
2,800.00	2,770.05	2,803.05	2,803.05	12.97	96.17	-96.14	-1,166.08	-8,593.51	8,704.79	8,595.65	109.14	79.758		
2,900.00	2,868.68	2,901.68	2,901.68	13.43	99.61	-96.24	-1,166.08	-8,593.51	8,706.59	8,593.56	113.03	77.026		
3,000.00	2,967.31	3,000.31	3,000.31	13.88	103.05	-96.35	-1,166.08	-8,593.51	8,708.43	8,591.50	116.93	74.476		
3,100.00	3,065.94	3,101.06	3,098.94	14.34	106.56	-96.46	-1,166.08	-8,593.51	8,710.30	8,589.40	120.90	72.046		
3,200.00	3,164.57	3,202.43	3,197.57	14.79	110.10	-96.56	-1,166.08	-8,593.51	8,712.19	8,587.30	124.89	69.757		
3,300.00	3,263.20	3,303.80	3,296.20	15.25	113.64	-96.67	-1,166.08	-8,593.51	8,714.12	8,585.23	128.89	67.611		
3,400.00	3,361.83	3,405.17	3,394.83	15.71	117.18	-96.78	-1,166.08	-8,593.51	8,716.08	8,583.20	132.88	65.593		
3,500.00	3,460.45	3,506.55	3,493.45	16.17	120.71	-96.88	-1,166.08	-8,593.51	8,718.07	8,581.19	136.88	63.693		
3,600.00	3,559.08	3,607.92	3,592.08	16.62	124.25	-96.99	-1,166.08	-8,593.51	8,720.09	8,579.21	140.87	61.900		
3,700.00	3,657.71	3,709.29	3,690.71	17.08	127.79	-97.09	-1,166.08	-8,593.51	8,722.14	8,577.27	144.87	60.206		
3,800.00	3,756.34	3,789.34	3,789.34	17.54	130.58	-97.20	-1,166.08	-8,593.51	8,724.22	8,575.10	148.12	58.898		
3,900.00	3,854.97	3,887.97	3,887.97	18.00	134.02	-97.31	-1,166.08	-8,593.51	8,726.33	8,573.31	152.03	57.400		
4,000.00	3,953.60	3,986.60	3,986.60	18.46	137.47	-97.41	-1,166.08	-8,593.51	8,728.47	8,572.55	155.93	55.977		
4,100.00	4,052.23	4,085.23	4,085.23	18.92	140.91	-97.52	-1,166.08	-8,593.51	8,730.65	8,570.82	159.83	54.624		
4,200.00	4,150.85	4,183.85	4,183.85	19.39	144.35	-97.62	-1,166.08	-8,593.51	8,732.85	8,569.12	163.74	53.335		
4,300.00	4,249.48	4,282.48	4,282.48	19.85	147.79	-97.73	-1,166.08	-8,593.51	8,735.09	8,567.45	167.64	52.106		
4,400.00	4,348.11	4,381.11	4,381.11	20.31	151.23	-97.84	-1,166.08	-8,593.51	8,737.35	8,565.81	171.54	50.934		
4,500.00	4,446.74	4,479.74	4,479.74	20.77	154.68	-97.94	-1,166.08	-8,593.51	8,739.65	8,564.20	175.45	49.813		
4,600.00	4,545.37	4,578.37	4,578.37	21.23	158.12	-98.05	-1,166.08	-8,593.51	8,741.98	8,562.62	179.35	48.742		
4,700.00	4,644.00	4,677.00	4,677.00	21.70	161.56	-98.15	-1,166.08	-8,593.51	8,744.33	8,561.07	183.26	47.716		
4,800.00	4,742.63	4,775.63	4,775.63	22.16	165.00	-98.26	-1,166.08	-8,593.51	8,746.72	8,559.56	187.16	46.733		
4,900.00	4,841.25	4,874.25	4,874.25	22.62	168.45	-98.36	-1,166.08	-8,593.51	8,749.14	8,558.07	191.07	45.790		
5,000.00	4,939.88	4,972.88	4,972.88	23.09	171.89	-98.47	-1,166.08	-8,593.51	8,751.59	8,556.61	194.98	44.886		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,071.51	5,071.51	23.55	175.33	-98.57	-1,166.08	-8,593.51	8,754.07	8,555.18	198.88	44.017		
5,200.00	5,137.14	5,170.14	5,170.14	24.02	178.77	-98.68	-1,166.08	-8,593.51	8,756.58	8,553.79	202.79	43.181		
5,300.00	5,235.77	5,268.77	5,268.77	24.48	182.22	-98.79	-1,166.08	-8,593.51	8,759.12	8,552.42	206.69	42.377		
5,400.00	5,334.40	5,367.40	5,367.40	24.94	185.66	-98.89	-1,166.08	-8,593.51	8,761.69	8,551.08	210.60	41.603		
5,500.00	5,433.03	5,466.03	5,466.03	25.41	189.10	-99.00	-1,166.08	-8,593.51	8,764.29	8,549.78	214.51	40.858		
5,600.00	5,531.65	5,564.65	5,564.65	25.87	192.54	-99.10	-1,166.08	-8,593.51	8,766.92	8,548.50	218.41	40.139		
5,700.00	5,630.28	5,663.28	5,663.28	26.34	195.99	-99.21	-1,166.08	-8,593.51	8,769.58	8,547.26	222.32	39.445		
5,800.00	5,728.91	5,761.91	5,761.91	26.80	199.43	-99.31	-1,166.08	-8,593.51	8,772.27	8,546.04	226.23	38.776		
5,900.00	5,827.54	5,860.54	5,860.54	27.27	202.87	-99.42	-1,166.08	-8,593.51	8,774.99	8,544.85	230.14	38.129		
6,000.00	5,926.17	5,959.17	5,959.17	27.73	206.32	-99.52	-1,166.08	-8,593.51	8,777.74	8,543.70	234.04	37.505		
6,100.00	6,024.80	6,057.80	6,057.80	28.20	209.76	-99.63	-1,166.08	-8,593.51	8,780.52	8,542.57	237.95	36.900		
6,200.00	6,123.43	6,156.43	6,156.43	28.66	213.20	-99.73	-1,166.08	-8,593.51	8,783.34	8,541.48	241.86	36.316		
6,272.77	6,195.20	6,228.20	6,228.20	29.00	215.71	-99.81	-1,166.08	-8,593.51	8,785.40	8,540.70	244.70	35.902 ES		
6,300.00	6,222.05	6,255.05	6,255.05	29.13	216.64	-114.40	-1,166.08	-8,593.51	8,786.74	8,540.98	245.77	35.752		
6,350.00	6,271.23	6,304.23	6,304.23	29.36	218.36	-137.19	-1,166.08	-8,593.51	8,792.15	8,544.44	247.71	35.494		
6,400.00	6,319.99	6,352.99	6,352.99	29.58	220.06	-152.39	-1,166.08	-8,593.51	8,801.33	8,551.70	249.63	35.257		
6,450.00	6,368.01	6,401.01	6,401.01	29.79	221.74	-162.08	-1,166.08	-8,593.51	8,814.23	8,562.71	251.52	35.044		
6,500.00	6,415.02	6,448.02	6,448.02	29.99	223.38	-168.57	-1,166.08	-8,593.51	8,830.77	8,577.40	253.36	34.854		
6,550.00	6,460.71	6,506.29	6,493.71	30.18	225.41	-173.26	-1,166.08	-8,593.51	8,850.83	8,595.24	255.59	34.629		
6,600.00	6,504.81	6,537.81	6,537.81	30.36	226.51	-176.88	-1,166.08	-8,593.51	8,874.31	8,617.44	256.87	34.548		
6,650.00	6,547.04	6,580.04	6,580.04	30.53	227.99	-179.89	-1,166.08	-8,593.51	8,901.04	8,642.53	258.51	34.432		
6,700.00	6,587.14	6,620.14	6,620.14	30.69	229.39	177.45	-1,166.08	-8,593.51	8,930.88	8,670.81	260.07	34.340		
6,750.00	6,624.87	6,657.87	6,657.87	30.83	230.70	174.93	-1,166.08	-8,593.51	8,963.63	8,702.10	261.53	34.274		
6,800.00	6,660.00	6,707.00	6,693.00	30.96	232.42	172.39	-1,166.08	-8,593.51	8,999.08	8,735.71	263.37	34.169 SF		
6,850.00	6,692.30	6,725.30	6,725.30	31.07	233.06	169.68	-1,166.08	-8,593.51	9,037.04	8,772.91	264.13	34.215		
6,900.00	6,721.58	6,754.58	6,754.58	31.23	234.08	166.63	-1,166.08	-8,593.51	9,077.25	8,812.01	265.25	34.222		
6,950.00	6,747.66	6,780.66	6,780.66	31.56	234.99	163.02	-1,166.08	-8,593.51	9,119.49	8,853.25	266.24	34.253		
7,000.00	6,770.37	6,803.37	6,803.37	31.92	235.78	158.52	-1,166.08	-8,593.51	9,163.47	8,896.37	267.10	34.307		
7,050.00	6,789.58	6,822.58	6,822.58	32.33	236.45	152.69	-1,166.08	-8,593.51	9,208.95	8,941.12	267.83	34.384		
7,100.00	6,805.17	6,838.17	6,838.17	32.78	237.00	144.82	-1,166.08	-8,593.51	9,255.64	8,987.22	268.41	34.483		
7,150.00	6,817.03	6,850.03	6,850.03	33.27	237.41	133.98	-1,166.08	-8,593.51	9,303.25	9,034.39	268.86	34.603		
7,200.00	6,825.11	6,858.11	6,858.11	33.80	237.69	119.30	-1,166.08	-8,593.51	9,351.49	9,082.33	269.16	34.743		
7,250.00	6,829.35	6,862.35	6,862.35	34.37	237.84	101.24	-1,166.08	-8,593.51	9,400.08	9,130.75	269.32	34.903		
7,273.12	6,830.00	6,863.00	6,863.00	34.65	237.87	92.48	-1,166.08	-8,593.51	9,422.58	9,153.23	269.35	34.983		
7,300.00	6,830.28	6,863.28	6,863.28	34.98	237.87	92.49	-1,166.08	-8,593.51	9,448.72	9,179.36	269.36	35.078		
7,400.00	6,831.31	6,864.31	6,864.31	36.32	237.91	92.52	-1,166.08	-8,593.51	9,546.05	9,276.63	269.42	35.432		
7,500.00	6,832.34	6,865.34	6,865.34	37.83	237.95	92.54	-1,166.08	-8,593.51	9,643.43	9,373.94	269.49	35.784		
7,600.00	6,833.37	6,866.37	6,866.37	39.49	237.98	92.57	-1,166.08	-8,593.51	9,740.86	9,471.28	269.57	36.134		
7,700.00	6,834.40	6,867.40	6,867.40	41.27	238.02	92.60	-1,166.08	-8,593.51	9,838.34	9,568.67	269.67	36.483		
7,800.00	6,835.44	6,868.44	6,868.44	43.17	238.05	92.62	-1,166.08	-8,593.51	9,935.87	9,666.10	269.77	36.831		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-104.42	-1,403.77	-5,459.21	5,636.80					
100.00	100.00	64.06	64.06	3.28	3.28	-104.42	-1,403.62	-5,459.48	5,637.17	5,630.60	6.57	858.290		
200.00	200.00	155.92	155.91	3.34	3.31	-104.41	-1,403.07	-5,460.53	5,638.11	5,631.46	6.65	847.911		
300.00	300.00	264.70	264.69	3.44	3.41	-104.40	-1,402.57	-5,461.45	5,638.81	5,631.96	6.85	822.819		
400.00	399.98	383.13	383.11	3.60	3.58	-100.44	-1,402.05	-5,462.31	5,639.73	5,632.55	7.18	785.280		
500.00	499.84	492.59	492.57	3.81	3.79	-100.47	-1,401.48	-5,462.75	5,640.94	5,633.35	7.60	742.686		
600.00	599.45	611.35	611.32	4.06	4.07	-100.53	-1,400.67	-5,463.01	5,642.57	5,634.46	8.11	695.430		
700.00	698.70	715.43	715.40	4.34	4.35	-100.60	-1,399.63	-5,463.07	5,644.63	5,635.96	8.67	651.326		
775.00	772.83	781.24	781.21	4.57	4.54	-100.66	-1,398.96	-5,463.14	5,646.64	5,637.56	9.08	621.744		
800.00	797.48	803.34	803.30	4.65	4.61	-100.69	-1,398.74	-5,463.18	5,647.40	5,638.17	9.23	612.089		
900.00	896.11	896.49	896.45	4.97	4.89	-100.83	-1,397.73	-5,463.47	5,650.54	5,640.70	9.85	573.942		
1,000.00	994.74	1,010.64	1,010.56	5.31	5.27	-100.99	-1,394.92	-5,464.14	5,653.64	5,643.07	10.57	534.706		
1,100.00	1,093.37	1,062.25	1,062.10	5.68	5.45	-101.05	-1,392.40	-5,464.99	5,657.10	5,645.97	11.13	508.317		
1,200.00	1,192.00	1,129.21	1,128.86	6.06	5.71	-101.11	-1,387.69	-5,466.96	5,661.29	5,649.52	11.77	481.064		
1,300.00	1,290.63	1,219.90	1,219.01	6.45	6.10	-101.16	-1,378.57	-5,470.68	5,665.83	5,653.28	12.55	451.395		
1,400.00	1,389.26	1,353.33	1,350.82	6.86	6.78	-101.17	-1,359.08	-5,477.60	5,670.26	5,656.62	13.63	415.869		
1,500.00	1,487.88	1,518.81	1,512.78	7.27	7.77	-101.10	-1,326.56	-5,486.82	5,673.70	5,658.66	15.04	377.275		
1,600.00	1,586.51	1,800.00	1,782.87	7.69	9.85	-100.77	-1,250.14	-5,501.61	5,674.74	5,657.21	17.53	323.664		
1,668.80	1,654.37	1,851.99	1,831.85	7.98	10.31	-100.67	-1,232.95	-5,504.32	5,674.52	5,656.24	18.28	310.397		
1,700.00	1,685.14	1,869.33	1,848.15	8.11	10.46	-100.64	-1,227.10	-5,505.34	5,674.56	5,655.99	18.57	305.613		
1,800.00	1,783.77	1,928.14	1,903.23	8.54	11.00	-100.53	-1,206.86	-5,509.19	5,675.20	5,655.67	19.53	290.569		
1,900.00	1,882.40	2,000.00	1,970.18	8.97	11.67	-100.38	-1,181.32	-5,514.63	5,676.54	5,655.91	20.64	275.053		
2,000.00	1,981.03	2,095.42	2,058.48	9.41	12.61	-100.16	-1,146.03	-5,522.44	5,678.24	5,656.23	22.01	257.934		
2,100.00	2,079.66	2,170.79	2,127.99	9.84	13.36	-99.99	-1,117.58	-5,528.82	5,680.10	5,656.90	23.20	244.809		
2,200.00	2,178.28	2,260.36	2,210.74	10.29	14.23	-99.78	-1,084.19	-5,536.60	5,682.38	5,657.86	24.51	231.794		
2,300.00	2,276.91	2,346.13	2,290.18	10.73	15.05	-99.59	-1,052.71	-5,543.98	5,684.81	5,659.04	25.77	220.567		
2,400.00	2,375.54	2,429.43	2,367.32	11.18	15.83	-99.40	-1,022.19	-5,551.42	5,687.64	5,660.64	27.00	210.659		
2,500.00	2,474.17	2,565.88	2,493.79	11.62	17.09	-99.10	-972.39	-5,563.41	5,690.52	5,661.80	28.71	198.183		
2,600.00	2,572.80	2,670.20	2,590.14	12.07	18.07	-98.86	-933.33	-5,572.05	5,692.72	5,662.58	30.14	188.875		
2,700.00	2,671.43	2,737.45	2,652.11	12.52	18.70	-98.71	-907.87	-5,577.88	5,695.31	5,664.09	31.22	182.399		
2,800.00	2,770.05	2,800.00	2,709.85	12.97	19.30	-98.56	-884.51	-5,583.67	5,698.64	5,666.37	32.27	176.618		
2,900.00	2,868.68	2,967.14	2,864.29	13.43	20.84	-98.18	-822.35	-5,598.49	5,701.74	5,667.48	34.27	166.394		
3,000.00	2,967.31	3,072.42	2,961.87	13.88	21.77	-97.95	-783.73	-5,606.86	5,704.15	5,668.51	35.65	160.010		
3,100.00	3,065.94	3,137.90	3,022.90	14.34	22.33	-97.81	-760.57	-5,612.03	5,706.88	5,670.22	36.66	155.677		
3,200.00	3,164.57	3,200.00	3,080.85	14.79	22.85	-97.69	-738.91	-5,617.38	5,710.41	5,672.78	37.63	151.748		
3,300.00	3,263.20	3,300.00	3,235.18	15.25	23.71	-97.34	-679.49	-5,631.45	5,713.80	5,674.85	38.95	146.697		
3,400.00	3,361.83	3,489.69	3,350.00	15.71	25.34	-97.07	-634.37	-5,640.67	5,716.03	5,675.00	41.04	139.293		
3,500.00	3,460.45	3,531.64	3,388.95	16.17	25.70	-96.98	-619.16	-5,643.94	5,718.85	5,676.99	41.85	136.638		
3,600.00	3,559.08	3,567.93	3,422.63	16.62	26.02	-96.90	-606.04	-5,647.18	5,722.78	5,680.16	42.62	134.276		
3,700.00	3,657.71	3,700.00	3,505.02	17.08	27.21	-96.71	-573.69	-5,655.88	5,727.56	5,683.31	44.26	129.415		
3,800.00	3,756.34	3,861.53	3,693.86	17.54	28.68	-96.24	-496.84	-5,673.70	5,730.97	5,684.77	46.20	124.046		
3,900.00	3,854.97	3,981.86	3,804.39	18.00	29.79	-95.95	-450.25	-5,683.32	5,733.84	5,686.07	47.77	120.031		
4,000.00	3,953.60	4,053.84	3,870.46	18.46	30.46	-95.78	-422.26	-5,689.03	5,736.73	5,687.84	48.90	117.326		
4,100.00	4,052.23	4,124.25	3,935.07	18.92	31.12	-95.61	-394.94	-5,695.04	5,740.28	5,690.28	50.00	114.801		
4,200.00	4,150.85	4,214.47	4,018.30	19.39	31.94	-95.40	-360.98	-5,702.77	5,744.15	5,692.88	51.28	112.021		
4,300.00	4,249.48	4,299.98	4,097.36	19.85	32.70	-95.21	-329.26	-5,710.17	5,748.28	5,695.79	52.49	109.512		
4,400.00	4,348.11	4,431.08	4,218.59	20.31	33.85	-94.92	-280.56	-5,721.14	5,752.18	5,698.07	54.10	106.315		
4,500.00	4,446.74	4,514.35	4,295.59	20.77	34.59	-94.74	-249.62	-5,728.03	5,756.11	5,700.82	55.29	104.107		
4,600.00	4,545.37	4,585.37	4,361.18	21.23	35.22	-94.58	-223.10	-5,734.19	5,760.49	5,704.11	56.37	102.182		
4,700.00	4,644.00	4,686.44	4,454.60	21.70	36.12	-94.35	-185.61	-5,743.18	5,765.20	5,707.48	57.72	99.875		
4,800.00	4,742.63	4,765.45	4,527.94	22.16	36.80	-94.19	-157.03	-5,750.14	5,770.03	5,711.18	58.85	98.038		
4,900.00	4,841.25	4,861.63	4,617.22	22.62	37.64	-93.98	-122.36	-5,758.89	5,775.23	5,715.09	60.14	96.025		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,939.88	5,000.00	4,734.39	23.09	38.87	-93.70	-74.93	-5,770.07	5,780.04	5,718.21	61.83	93.477		
5,100.00	5,038.51	5,072.89	4,812.21	23.55	39.52	-93.51	-43.19	-5,777.35	5,784.79	5,721.85	62.94	91.914		
5,200.00	5,137.14	5,160.16	4,892.85	24.02	40.30	-93.32	-10.77	-5,785.25	5,790.05	5,725.89	64.16	90.242		
5,300.00	5,235.77	5,273.57	4,997.91	24.48	41.29	-93.07	30.74	-5,795.31	5,795.31	5,729.70	65.61	88.336		
5,400.00	5,334.40	5,359.23	5,077.26	24.94	42.04	-92.89	62.13	-5,802.80	5,800.51	5,733.71	66.80	86.831		
5,500.00	5,433.03	5,483.78	5,192.21	25.41	43.16	-92.61	108.77	-5,813.94	5,805.95	5,737.58	68.37	84.918		
5,600.00	5,531.65	5,563.78	5,266.05	25.87	43.87	-92.44	138.77	-5,820.81	5,811.10	5,741.58	69.52	83.588		
5,700.00	5,630.28	5,736.12	5,425.77	26.34	45.33	-92.07	201.95	-5,834.77	5,815.92	5,744.47	71.45	81.400		
5,800.00	5,728.91	5,815.67	5,499.93	26.80	45.97	-91.91	230.09	-5,840.82	5,820.43	5,747.89	72.54	80.242		
5,900.00	5,827.54	5,982.94	5,657.96	27.27	47.13	-91.64	283.70	-5,851.96	5,824.35	5,750.19	74.16	78.541		
6,000.00	5,926.17	6,147.26	5,816.23	27.73	48.01	-91.47	327.16	-5,859.55	5,826.58	5,751.08	75.49	77.180		
6,100.00	6,024.80	6,201.55	5,868.93	28.20	48.27	-91.43	339.92	-5,862.06	5,829.39	5,753.18	76.21	76.491		
6,200.00	6,123.43	6,304.18	5,969.30	28.66	48.70	-91.39	360.76	-5,866.88	5,832.57	5,755.47	77.11	75.644		
6,272.77	6,195.20	6,395.76	6,059.42	29.00	49.04	-91.38	376.56	-5,870.75	5,834.75	5,756.96	77.79	75.011		
6,300.00	6,222.05	6,417.89	6,081.23	29.13	49.12	-105.93	380.16	-5,871.63	5,836.11	5,758.12	77.99	74.834		
6,350.00	6,271.23	6,455.18	6,118.06	29.36	49.24	-128.60	385.84	-5,873.14	5,841.69	5,763.35	78.34	74.568		
6,400.00	6,319.99	6,491.99	6,154.49	29.58	49.37	-143.64	390.95	-5,874.67	5,851.25	5,772.56	78.68	74.365		
6,450.00	6,368.01	6,526.71	6,188.90	29.79	49.48	-153.12	395.33	-5,876.14	5,864.71	5,785.71	79.00	74.237		
6,500.00	6,415.02	6,560.12	6,222.05	29.99	49.58	-159.36	399.16	-5,877.60	5,881.99	5,802.70	79.30	74.174		
6,550.00	6,460.71	6,629.47	6,490.44	30.18	50.30	-163.84	420.50	-5,883.31	5,901.77	5,821.54	80.23	73.562 SF		
6,600.00	6,504.81	6,687.20	6,528.11	30.36	50.39	-167.07	422.36	-5,883.35	5,924.56	5,844.05	80.51	73.592		
6,650.00	6,547.04	6,900.00	6,560.89	30.53	50.47	-169.60	423.68	-5,883.38	5,950.79	5,870.03	80.76	73.687		
6,700.00	6,587.14	6,933.64	6,594.51	30.69	50.56	-171.69	424.77	-5,883.44	5,980.32	5,899.32	81.00	73.833		
6,750.00	6,624.87	6,962.46	6,623.32	30.83	50.62	-173.50	425.52	-5,883.52	6,012.96	5,931.75	81.21	74.041		
6,800.00	6,660.00	6,989.18	6,650.04	30.96	50.69	-175.16	426.06	-5,883.62	6,048.50	5,967.09	81.40	74.302		
6,850.00	6,692.30	7,018.25	6,679.10	31.07	50.76	-176.78	426.52	-5,883.74	6,086.70	6,005.11	81.59	74.604		
6,900.00	6,721.58	7,047.84	6,708.69	31.23	50.83	-178.47	426.96	-5,883.87	6,127.28	6,045.52	81.76	74.946		
6,950.00	6,747.66	7,074.17	6,735.02	31.56	50.89	-179.64	427.32	-5,883.98	6,170.00	6,088.10	81.90	75.335		
7,000.00	6,770.37	7,097.09	6,757.93	31.92	50.95	-177.36	427.62	-5,884.07	6,214.58	6,132.56	82.02	75.767		
7,050.00	6,789.58	7,115.56	6,776.40	32.33	50.99	-174.35	427.85	-5,884.14	6,260.77	6,178.65	82.12	76.241		
7,100.00	6,805.17	7,130.38	6,791.22	32.78	51.03	-169.95	428.04	-5,884.20	6,308.26	6,226.07	82.19	76.751		
7,150.00	6,817.03	7,141.60	6,802.44	33.27	51.06	-162.63	428.19	-5,884.25	6,356.78	6,274.54	82.24	77.294		
7,200.00	6,825.11	7,149.17	6,810.01	33.80	51.08	-148.28	428.29	-5,884.28	6,406.02	6,323.75	82.27	77.864		
7,250.00	6,829.35	7,153.04	6,813.88	34.37	51.09	-116.39	428.34	-5,884.30	6,455.68	6,373.40	82.28	78.457		
7,273.12	6,830.00	7,153.57	6,814.41	34.65	51.09	-94.49	428.34	-5,884.30	6,478.70	6,396.42	82.28	78.737		
7,300.00	6,830.28	7,153.73	6,814.57	34.98	51.09	-94.51	428.35	-5,884.30	6,505.47	6,423.19	82.28	79.064		
7,400.00	6,831.31	7,154.31	6,815.15	36.32	51.09	-94.56	428.35	-5,884.30	6,605.05	6,522.78	82.27	80.283		
7,500.00	6,832.34	7,154.89	6,815.72	37.83	51.09	-94.62	428.36	-5,884.31	6,704.64	6,622.37	82.27	81.498		
7,600.00	6,833.37	7,155.46	6,816.30	39.49	51.09	-94.67	428.37	-5,884.31	6,804.25	6,721.98	82.27	82.711		
7,700.00	6,834.40	7,156.04	6,816.88	41.27	51.09	-94.73	428.38	-5,884.31	6,903.87	6,821.60	82.27	83.921		
7,800.00	6,835.44	7,156.61	6,817.45	43.17	51.09	-94.78	428.38	-5,884.31	7,003.49	6,921.22	82.27	85.128		
7,900.00	6,836.47	7,157.19	6,818.02	45.17	51.10	-94.84	428.39	-5,884.32	7,103.13	7,020.86	82.28	86.332		
8,000.00	6,837.50	7,157.76	6,818.60	47.26	51.10	-94.89	428.40	-5,884.32	7,202.78	7,120.49	82.29	87.533		
8,100.00	6,838.53	7,158.33	6,819.17	49.43	51.10	-94.95	428.41	-5,884.32	7,302.44	7,220.14	82.30	88.731		
8,200.00	6,839.56	7,158.91	6,819.74	51.66	51.10	-95.00	428.42	-5,884.32	7,402.11	7,319.79	82.31	89.927		
8,300.00	6,840.59	7,159.48	6,820.31	53.95	51.10	-95.06	428.42	-5,884.33	7,501.78	7,419.45	82.33	91.120		
8,400.00	6,841.62	7,160.05	6,820.88	56.29	51.10	-95.11	428.43	-5,884.33	7,601.47	7,519.12	82.35	92.310		
8,500.00	6,842.65	7,160.61	6,821.45	58.67	51.10	-95.17	428.44	-5,884.33	7,701.16	7,618.79	82.37	93.497		
8,600.00	6,843.68	7,161.18	6,822.02	61.10	51.11	-95.22	428.45	-5,884.33	7,800.86	7,718.47	82.39	94.682		
8,700.00	6,844.71	7,161.75	6,822.59	63.56	51.11	-95.27	428.45	-5,884.34	7,900.57	7,818.15	82.42	95.863		
8,800.00	6,845.75	7,162.32	6,823.15	66.05	51.11	-95.33	428.46	-5,884.34	8,000.28	7,917.84	82.44	97.042		
8,900.00	6,846.78	7,162.88	6,823.72	68.58	51.11	-95.38	428.47	-5,884.34	8,100.01	8,017.54	82.47	98.218		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,847.81	7,163.45	6,824.28	71.12	51.11	95.44	428.48	-5,884.34	8,199.73	8,117.23	82.50	99.391		
9,100.00	6,848.84	7,164.01	6,824.85	73.69	51.11	95.49	428.48	-5,884.35	8,299.47	8,216.94	82.53	100.561		
9,200.00	6,849.87	7,164.57	6,825.41	76.28	51.11	95.54	428.49	-5,884.35	8,399.21	8,316.65	82.56	101.729		
9,300.00	6,850.90	7,165.14	6,825.97	78.89	51.11	95.60	428.50	-5,884.35	8,498.96	8,416.36	82.60	102.893		
9,400.00	6,851.93	7,165.70	6,826.53	81.51	51.12	95.65	428.51	-5,884.35	8,598.71	8,516.08	82.64	104.055		
9,500.00	6,852.96	7,166.26	6,827.09	84.15	51.12	95.70	428.51	-5,884.36	8,698.47	8,615.80	82.67	105.213		
9,600.00	6,853.99	7,166.82	6,827.65	86.80	51.12	95.76	428.52	-5,884.36	8,798.24	8,715.52	82.71	106.369		
9,700.00	6,855.03	7,167.38	6,828.21	89.46	51.12	95.81	428.53	-5,884.36	8,898.01	8,815.25	82.76	107.522		
9,800.00	6,856.06	7,167.93	6,828.77	92.14	51.12	95.86	428.54	-5,884.36	8,997.78	8,914.98	82.80	108.672		
9,900.00	6,857.09	7,168.49	6,829.33	94.83	51.12	95.92	428.54	-5,884.37	9,097.56	9,014.72	82.84	109.819		
10,000.00	6,858.12	7,169.05	6,829.88	97.52	51.12	95.97	428.55	-5,884.37	9,197.35	9,114.46	82.89	110.963		
10,100.00	6,859.15	7,169.60	6,830.44	100.23	51.13	96.02	428.56	-5,884.37	9,297.14	9,214.20	82.93	112.105		
10,200.00	6,860.18	7,170.16	6,830.99	102.94	51.13	96.07	428.57	-5,884.37	9,396.93	9,313.95	82.98	113.243		
10,300.00	6,861.21	7,170.71	6,831.55	105.66	51.13	96.13	428.57	-5,884.38	9,496.73	9,413.70	83.03	114.378		
10,400.00	6,862.24	7,171.26	6,832.10	108.39	51.13	96.18	428.58	-5,884.38	9,596.53	9,513.45	83.08	115.510		
10,500.00	6,863.27	7,171.82	6,832.65	111.12	51.13	96.23	428.59	-5,884.38	9,696.34	9,613.20	83.13	116.639		
10,600.00	6,864.30	7,172.37	6,833.20	113.86	51.13	96.28	428.60	-5,884.38	9,796.15	9,712.96	83.18	117.766		
10,700.00	6,865.34	7,172.92	6,833.75	116.60	51.13	96.34	428.60	-5,884.39	9,895.96	9,812.72	83.24	118.889		
10,800.00	6,866.37	7,173.47	6,834.30	119.35	51.14	96.39	428.61	-5,884.39	9,995.78	9,912.48	83.29	120.009		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-104.49	-1,411.05	-5,459.21	5,638.62					
100.00	100.00	53.61	53.61	3.28	3.28	-104.49	-1,410.88	-5,459.51	5,639.09	5,632.52	6.57	858.661		
200.00	200.00	109.79	109.78	3.34	3.29	-104.48	-1,410.32	-5,460.43	5,640.41	5,633.78	6.63	850.762		
300.00	300.00	208.13	208.08	3.44	3.36	-104.46	-1,408.86	-5,462.52	5,642.09	5,635.29	6.80	829.534		
400.00	399.98	312.47	312.39	3.60	3.48	-100.46	-1,407.41	-5,464.72	5,644.10	5,637.02	7.08	796.978		
500.00	499.84	443.61	443.50	3.81	3.71	-100.46	-1,405.64	-5,466.93	5,646.34	5,638.83	7.51	752.077		
600.00	599.45	545.62	545.48	4.06	3.93	-100.48	-1,403.85	-5,468.45	5,648.93	5,640.96	7.97	708.681		
700.00	698.70	638.22	638.04	4.34	4.17	-100.50	-1,401.78	-5,470.04	5,652.27	5,643.79	8.48	666.625		
775.00	772.83	714.61	714.41	4.57	4.38	-100.54	-1,400.16	-5,471.38	5,655.26	5,646.34	8.92	634.314		
800.00	797.48	751.39	751.18	4.65	4.48	-100.59	-1,399.35	-5,471.97	5,656.28	5,647.18	9.10	621.534		
900.00	896.11	841.80	841.54	4.97	4.76	-100.71	-1,396.99	-5,473.33	5,660.18	5,650.47	9.71	583.130		
1,000.00	994.74	907.87	907.56	5.31	4.97	-100.80	-1,394.83	-5,474.84	5,664.67	5,654.40	10.27	551.546		
1,100.00	1,093.37	1,018.13	1,017.72	5.68	5.34	-100.93	-1,391.11	-5,477.53	5,669.31	5,658.30	11.01	514.906		
1,200.00	1,192.00	1,112.55	1,112.07	6.06	5.67	-101.05	-1,388.05	-5,479.80	5,673.99	5,662.27	11.72	484.058		
1,300.00	1,290.63	1,218.49	1,217.93	6.45	6.05	-101.19	-1,384.73	-5,482.18	5,678.56	5,666.07	12.49	454.474		
1,400.00	1,389.26	1,288.04	1,287.43	6.86	6.30	-101.28	-1,382.75	-5,483.88	5,683.45	5,670.30	13.15	432.173		
1,500.00	1,487.88	1,401.00	1,400.31	7.27	6.72	-101.43	-1,379.73	-5,486.83	5,688.56	5,674.58	13.98	406.865		
1,600.00	1,586.51	1,505.11	1,504.35	7.69	7.12	-101.56	-1,376.93	-5,489.32	5,693.49	5,678.69	14.79	384.892		
1,700.00	1,685.14	1,630.15	1,629.33	8.11	7.60	-101.73	-1,373.63	-5,491.86	5,698.10	5,682.40	15.70	363.037		
1,800.00	1,783.77	1,700.00	1,699.14	8.54	7.87	-101.82	-1,371.87	-5,493.12	5,702.64	5,686.25	16.39	347.879		
1,900.00	1,882.40	1,757.33	1,756.44	8.97	8.09	-101.90	-1,370.42	-5,494.51	5,707.86	5,690.81	17.05	334.847		
2,000.00	1,981.03	1,800.00	1,799.06	9.41	8.26	-101.95	-1,369.29	-5,496.07	5,714.10	5,696.46	17.64	323.854		
2,100.00	2,079.66	1,837.72	1,836.72	9.84	8.42	-101.99	-1,368.04	-5,497.92	5,721.40	5,703.17	18.23	313.875		
2,200.00	2,178.28	1,900.00	1,898.77	10.29	8.68	-102.05	-1,364.95	-5,502.22	5,729.94	5,711.02	18.92	302.890		
2,300.00	2,276.91	1,945.85	1,944.39	10.73	8.88	-102.09	-1,362.24	-5,505.90	5,739.17	5,719.63	19.54	293.658		
2,400.00	2,375.54	2,125.12	2,122.78	11.18	9.66	-102.23	-1,350.31	-5,519.00	5,747.80	5,727.03	20.77	276.703		
2,500.00	2,474.17	2,200.00	2,197.17	11.62	10.00	-102.27	-1,343.98	-5,524.57	5,756.10	5,734.55	21.55	267.149		
2,600.00	2,572.80	2,248.67	2,245.50	12.07	10.22	-102.30	-1,339.75	-5,528.56	5,765.05	5,742.85	22.20	259.661		
2,700.00	2,671.43	2,300.00	2,296.43	12.52	10.46	-102.33	-1,335.38	-5,533.19	5,774.85	5,751.98	22.87	252.502		
2,800.00	2,770.05	2,365.34	2,361.18	12.97	10.77	-102.36	-1,329.52	-5,539.66	5,785.37	5,761.75	23.61	245.019		
2,900.00	2,868.68	2,524.86	2,519.01	13.43	11.55	-102.41	-1,313.01	-5,555.97	5,795.90	5,771.07	24.83	233.395		
3,000.00	2,967.31	2,618.40	2,611.33	13.88	12.02	-102.42	-1,301.34	-5,565.46	5,805.67	5,779.92	25.74	225.529		
3,100.00	3,065.94	2,688.38	2,680.29	14.34	12.38	-102.43	-1,292.15	-5,572.97	5,815.79	5,789.25	26.54	219.137		
3,200.00	3,164.57	2,748.65	2,739.68	14.79	12.69	-102.43	-1,284.38	-5,579.74	5,826.48	5,799.20	27.28	213.554		
3,300.00	3,263.20	2,800.00	2,790.26	15.25	12.96	-102.43	-1,277.97	-5,585.81	5,837.88	5,809.91	27.98	208.656		
3,400.00	3,361.83	2,877.29	2,866.36	15.71	13.37	-102.44	-1,268.43	-5,595.39	5,849.85	5,821.04	28.81	203.019		
3,500.00	3,460.45	2,936.63	2,924.73	16.17	13.69	-102.44	-1,261.08	-5,603.12	5,862.40	5,832.84	29.55	198.358		
3,600.00	3,559.08	3,000.00	2,986.99	16.62	14.03	-102.44	-1,253.23	-5,611.91	5,875.70	5,845.38	30.32	193.799		
3,700.00	3,657.71	3,048.07	3,034.19	17.08	14.30	-102.44	-1,247.33	-5,618.93	5,889.71	5,858.71	31.00	190.006		
3,800.00	3,756.34	3,119.53	3,104.28	17.54	14.70	-102.44	-1,238.75	-5,629.82	5,904.41	5,872.60	31.81	185.607		
3,900.00	3,854.97	3,250.87	3,233.01	18.00	15.45	-102.44	-1,221.83	-5,649.65	5,918.73	5,885.74	32.99	179.425		
4,000.00	3,953.60	3,362.05	3,341.87	18.46	16.10	-102.42	-1,206.83	-5,666.57	5,933.06	5,899.00	34.06	174.210		
4,100.00	4,052.23	3,518.26	3,494.91	18.92	17.00	-102.40	-1,185.30	-5,689.24	5,946.59	5,911.20	35.39	168.011		
4,200.00	4,150.85	3,621.16	3,595.82	19.39	17.59	-102.39	-1,171.31	-5,703.72	5,959.79	5,923.38	36.41	163.698		
4,300.00	4,249.48	3,758.76	3,730.63	19.85	18.37	-102.37	-1,151.21	-5,722.59	5,972.28	5,934.64	37.64	158.676		
4,400.00	4,348.11	3,838.26	3,808.47	20.31	18.83	-102.35	-1,139.32	-5,733.56	5,984.84	5,946.31	38.53	155.340		
4,500.00	4,446.74	3,915.41	3,883.96	20.77	19.28	-102.33	-1,127.79	-5,744.57	5,997.83	5,958.43	39.40	152.218		
4,600.00	4,545.37	4,021.60	3,988.03	21.23	19.89	-102.32	-1,112.82	-5,759.42	6,010.79	5,970.35	40.45	148.606		
4,700.00	4,644.00	4,089.27	4,054.32	21.70	20.28	-102.31	-1,103.28	-5,769.10	6,024.06	5,982.80	41.26	146.005		
4,800.00	4,742.63	4,146.80	4,110.62	22.16	20.62	-102.30	-1,095.14	-5,777.68	6,037.92	5,995.91	42.01	143.728		
4,900.00	4,841.25	4,204.21	4,166.85	22.62	20.96	-102.29	-1,087.63	-5,786.50	6,052.48	6,009.72	42.76	141.558		
5,000.00	4,939.88	4,304.25	4,264.94	23.09	21.54	-102.29	-1,075.45	-5,801.93	6,067.36	6,023.60	43.75	138.668		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	4,408.66	4,367.20	23.55	22.15	-102.29	-1,062.04	-5,818.21	6,082.22	6,037.43	44.79	135.794		
5,200.00	5,137.14	4,539.79	4,495.60	24.02	22.93	-102.27	-1,044.39	-5,838.10	6,096.42	6,050.42	46.00	132.533		
5,300.00	5,235.77	4,629.49	4,583.42	24.48	23.46	-102.26	-1,032.44	-5,851.90	6,110.93	6,063.98	46.95	130.166		
5,400.00	5,334.40	4,835.94	4,785.63	24.94	24.66	-102.23	-1,003.33	-5,881.58	6,124.06	6,075.45	48.62	125.965		
5,500.00	5,433.03	4,929.78	4,877.62	25.41	25.19	-102.22	-989.93	-5,894.47	6,136.75	6,087.16	49.59	123.750		
5,600.00	5,531.65	5,011.74	4,958.02	25.87	25.66	-102.21	-978.70	-5,905.75	6,149.62	6,099.14	50.48	121.815		
5,700.00	5,630.28	5,076.07	5,021.14	26.34	26.02	-102.21	-970.23	-5,914.80	6,162.94	6,111.67	51.27	120.213		
5,800.00	5,728.91	5,659.61	5,599.91	26.80	26.62	-102.52	-921.66	-5,965.54	6,171.80	6,117.30	54.50	113.243		
5,900.00	5,827.54	5,778.41	5,718.60	27.27	29.05	-102.65	-917.98	-5,969.04	6,177.37	6,121.95	55.42	111.462		
6,000.00	5,926.17	5,918.98	5,859.12	27.73	29.56	-102.83	-915.61	-5,972.05	6,182.65	6,126.23	56.42	109.582		
6,100.00	6,024.80	6,052.26	5,992.38	28.20	30.05	-103.02	-914.06	-5,973.52	6,187.06	6,129.67	57.39	107.809		
6,200.00	6,123.43	6,166.57	6,106.67	28.66	30.46	-103.17	-912.65	-5,974.62	6,191.43	6,133.14	58.29	106.222		
6,272.77	6,195.20	6,248.33	6,188.43	29.00	30.76	-103.28	-911.42	-5,975.18	6,194.36	6,135.42	58.94	105.102		
6,300.00	6,222.05	6,274.86	6,214.95	29.13	30.86	-117.90	-911.01	-5,975.36	6,196.01	6,136.84	59.16	104.726		
6,350.00	6,271.23	6,319.29	6,259.38	29.36	31.02	-140.73	-910.33	-5,975.67	6,201.94	6,142.38	59.56	104.128		
6,400.00	6,319.99	6,358.89	6,298.97	29.58	31.17	-155.99	-909.73	-5,975.99	6,211.65	6,151.71	59.93	103.645		
6,450.00	6,368.01	6,397.85	6,337.92	29.79	31.31	-165.76	-909.14	-5,976.38	6,225.06	6,164.77	60.29	103.249		
6,500.00	6,415.02	6,441.94	6,382.01	29.99	31.47	-172.37	-908.51	-5,976.84	6,242.08	6,181.42	60.66	102.901		
6,550.00	6,460.71	6,485.10	6,425.16	30.18	31.63	-177.18	-907.97	-5,977.29	6,262.57	6,201.55	61.02	102.637		
6,600.00	6,504.81	6,531.29	6,471.35	30.36	31.80	179.04	-907.48	-5,977.75	6,286.38	6,225.01	61.37	102.429		
6,650.00	6,547.04	6,577.98	6,518.04	30.53	31.98	175.85	-907.10	-5,978.14	6,313.34	6,251.62	61.72	102.291		
6,700.00	6,587.14	6,618.14	6,558.19	30.69	32.12	172.96	-906.86	-5,978.43	6,343.29	6,281.26	62.03	102.265 SF		
6,750.00	6,624.87	6,651.95	6,592.00	30.83	32.25	170.17	-906.60	-5,978.71	6,376.08	6,313.79	62.30	102.347		
6,800.00	6,660.00	6,683.34	6,623.39	30.96	32.37	167.30	-906.30	-5,979.00	6,411.53	6,348.98	62.54	102.511		
6,850.00	6,692.30	6,716.24	6,656.28	31.07	32.49	164.22	-905.93	-5,979.34	6,449.39	6,386.61	62.78	102.725		
6,900.00	6,721.58	6,751.19	6,691.23	31.23	32.62	160.75	-905.52	-5,979.68	6,489.41	6,426.40	63.01	102.983		
6,950.00	6,747.66	6,782.32	6,722.35	31.56	32.74	156.66	-905.14	-5,979.96	6,531.35	6,468.14	63.22	103.316		
7,000.00	6,770.37	6,809.43	6,749.46	31.92	32.84	151.65	-904.79	-5,980.18	6,574.97	6,511.58	63.39	103.723		
7,050.00	6,789.58	6,824.08	6,764.11	32.33	32.89	145.24	-904.58	-5,980.32	6,620.01	6,556.51	63.50	104.251		
7,100.00	6,805.17	6,837.78	6,777.80	32.78	32.94	136.98	-904.37	-5,980.45	6,666.20	6,602.61	63.60	104.822		
7,150.00	6,817.03	6,848.06	6,788.09	33.27	32.98	126.33	-904.20	-5,980.55	6,713.27	6,649.60	63.67	105.445		
7,200.00	6,825.11	6,854.89	6,794.91	33.80	33.01	113.09	-904.09	-5,980.62	6,760.92	6,697.21	63.71	106.113		
7,250.00	6,829.35	6,858.23	6,798.25	34.37	33.02	98.03	-904.03	-5,980.66	6,808.87	6,745.13	63.74	106.819		
7,273.12	6,830.00	6,858.60	6,798.62	34.65	33.02	90.96	-904.02	-5,980.66	6,831.06	6,767.31	63.75	107.157		
7,300.00	6,830.28	6,858.59	6,798.61	34.98	33.02	90.96	-904.02	-5,980.66	6,856.85	6,793.09	63.75	107.552		
7,400.00	6,831.31	6,858.56	6,798.58	36.32	33.02	90.95	-904.02	-5,980.66	6,952.86	6,889.08	63.79	109.003		
7,500.00	6,832.34	6,858.53	6,798.55	37.83	33.02	90.95	-904.02	-5,980.66	7,048.99	6,985.16	63.83	110.425		
7,600.00	6,833.37	6,858.50	6,798.52	39.49	33.02	90.95	-904.02	-5,980.66	7,145.23	7,081.33	63.90	111.821		
7,700.00	6,834.40	6,858.47	6,798.50	41.27	33.02	90.95	-904.02	-5,980.66	7,241.56	7,177.59	63.98	113.191		
7,800.00	6,835.44	6,858.45	6,798.47	43.17	33.02	90.95	-904.02	-5,980.66	7,338.00	7,273.93	64.07	114.537		
7,900.00	6,836.47	6,858.42	6,798.44	45.17	33.02	90.95	-904.03	-5,980.66	7,434.53	7,370.36	64.17	115.859		
8,000.00	6,837.50	6,858.39	6,798.41	47.26	33.02	90.95	-904.03	-5,980.66	7,531.14	7,466.86	64.28	117.160		
8,100.00	6,838.53	6,858.36	6,798.39	49.43	33.02	90.95	-904.03	-5,980.66	7,627.85	7,563.45	64.40	118.440		
8,200.00	6,839.56	6,858.34	6,798.36	51.66	33.02	90.95	-904.03	-5,980.66	7,724.64	7,660.11	64.53	119.700		
8,300.00	6,840.59	6,858.31	6,798.33	53.95	33.02	90.95	-904.03	-5,980.66	7,821.51	7,756.84	64.67	120.942		
8,400.00	6,841.62	6,858.28	6,798.30	56.29	33.02	90.95	-904.03	-5,980.66	7,918.46	7,853.64	64.82	122.166		
8,500.00	6,842.65	6,858.26	6,798.28	58.67	33.02	90.95	-904.03	-5,980.66	8,015.48	7,950.51	64.97	123.374		
8,600.00	6,843.68	6,858.23	6,798.25	61.10	33.02	90.94	-904.03	-5,980.66	8,112.58	8,047.45	65.13	124.566		
8,700.00	6,844.71	6,858.20	6,798.23	63.56	33.02	90.94	-904.03	-5,980.66	8,209.74	8,144.45	65.29	125.744		
8,800.00	6,845.75	6,858.18	6,798.20	66.05	33.02	90.94	-904.03	-5,980.66	8,306.98	8,241.52	65.46	126.907		
8,900.00	6,846.78	6,858.15	6,798.17	68.58	33.02	90.94	-904.03	-5,980.66	8,404.28	8,338.65	65.63	128.058		
9,000.00	6,847.81	6,858.13	6,798.15	71.12	33.02	90.94	-904.03	-5,980.66	8,501.64	8,435.83	65.80	129.196		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			
9,100.00	6,848.84	6,858.10	6,798.12	73.69	33.02	90.94	-904.03	-5,980.66	8,599.06	8,533.07	65.98	130.322		
9,200.00	6,849.87	6,858.07	6,798.10	76.28	33.02	90.94	-904.03	-5,980.65	8,696.54	8,630.37	66.16	131.438		
9,300.00	6,850.90	6,858.05	6,798.07	78.89	33.02	90.94	-904.03	-5,980.65	8,794.07	8,727.72	66.35	132.543		
9,400.00	6,851.93	6,858.02	6,798.05	81.51	33.02	90.94	-904.03	-5,980.65	8,891.66	8,825.13	66.54	133.638		
9,500.00	6,852.96	6,858.00	6,798.02	84.15	33.02	90.94	-904.03	-5,980.65	8,989.31	8,922.58	66.72	134.725		
9,600.00	6,853.99	6,857.98	6,798.00	86.80	33.02	90.94	-904.03	-5,980.65	9,087.00	9,020.09	66.91	135.802		
9,700.00	6,855.03	6,857.95	6,797.97	89.46	33.02	90.94	-904.03	-5,980.65	9,184.75	9,117.64	67.10	136.871		
9,800.00	6,856.06	6,857.93	6,797.95	92.14	33.02	90.94	-904.03	-5,980.65	9,282.54	9,215.24	67.30	137.933		
9,900.00	6,857.09	6,857.90	6,797.92	94.83	33.02	90.94	-904.03	-5,980.65	9,380.38	9,312.89	67.49	138.987		
10,000.00	6,858.12	6,857.88	6,797.90	97.52	33.02	90.93	-904.03	-5,980.65	9,478.26	9,410.58	67.69	140.034		
10,100.00	6,859.15	6,857.85	6,797.88	100.23	33.02	90.93	-904.04	-5,980.65	9,576.19	9,508.31	67.88	141.074		
10,200.00	6,860.18	6,857.83	6,797.85	102.94	33.02	90.93	-904.04	-5,980.65	9,674.16	9,606.09	68.08	142.108		
10,300.00	6,861.21	6,857.81	6,797.83	105.66	33.02	90.93	-904.04	-5,980.65	9,772.17	9,703.90	68.27	143.136		
10,400.00	6,862.24	6,857.78	6,797.81	108.39	33.02	90.93	-904.04	-5,980.65	9,870.23	9,801.76	68.47	144.159		
10,500.00	6,863.27	6,857.76	6,797.78	111.12	33.02	90.93	-904.04	-5,980.65	9,968.32	9,899.65	68.66	145.175		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-104.77	-1,440.19	-5,462.00	5,648.69					
100.00	100.00	79.62	79.62	3.28	3.28	-104.77	-1,440.04	-5,462.23	5,648.92	5,642.35	6.57	859.896		
200.00	200.00	172.81	172.80	3.34	3.32	-104.76	-1,439.55	-5,462.89	5,649.47	5,642.81	6.66	848.312		
300.00	300.00	291.04	291.03	3.44	3.44	-104.75	-1,438.53	-5,463.71	5,649.93	5,643.04	6.89	820.580		
400.00	399.98	417.45	417.42	3.60	3.64	-100.79	-1,436.70	-5,464.21	5,650.27	5,643.02	7.25	779.869		
500.00	499.84	517.31	517.26	3.81	3.85	-100.80	-1,434.85	-5,464.49	5,651.05	5,643.40	7.65	738.299		
600.00	599.45	619.49	619.43	4.06	4.10	-100.84	-1,432.77	-5,464.82	5,652.48	5,644.34	8.14	694.175		
700.00	698.70	750.99	750.88	4.34	4.46	-100.94	-1,429.57	-5,464.98	5,654.30	5,645.52	8.78	643.893		
775.00	772.83	843.99	843.84	4.57	4.74	-101.02	-1,426.69	-5,464.73	5,655.69	5,646.39	9.29	608.766		
800.00	797.48	869.88	869.72	4.65	4.83	-101.06	-1,425.85	-5,464.64	5,656.19	5,646.74	9.45	598.475		
900.00	896.11	900.00	899.82	4.97	4.92	-101.10	-1,424.86	-5,464.53	5,658.62	5,648.75	9.88	572.837		
1,000.00	994.74	959.92	959.72	5.31	5.12	-101.18	-1,423.49	-5,464.75	5,661.85	5,651.43	10.42	543.203		
1,100.00	1,093.37	1,000.00	999.80	5.68	5.25	-101.24	-1,423.25	-5,465.37	5,666.40	5,655.47	10.92	518.747		
1,200.00	1,192.00	1,033.87	1,033.66	6.06	5.36	-101.30	-1,423.52	-5,466.15	5,672.05	5,660.63	11.42	496.779		
1,300.00	1,290.63	1,073.47	1,073.23	6.45	5.50	-101.37	-1,424.41	-5,467.30	5,678.77	5,666.83	11.94	475.493		
1,400.00	1,389.26	1,124.08	1,123.76	6.86	5.68	-101.47	-1,426.36	-5,469.09	5,686.54	5,674.02	12.52	454.263		
1,500.00	1,487.88	1,200.00	1,199.55	7.27	5.96	-101.62	-1,429.91	-5,472.00	5,694.92	5,681.72	13.20	431.536		
1,600.00	1,586.51	1,248.64	1,248.06	7.69	6.15	-101.72	-1,432.71	-5,474.02	5,703.96	5,690.18	13.79	413.643		
1,700.00	1,685.14	1,300.00	1,299.24	8.11	6.36	-101.83	-1,436.41	-5,476.38	5,713.90	5,699.50	14.40	396.855		
1,800.00	1,783.77	1,369.35	1,368.25	8.54	6.66	-101.99	-1,442.46	-5,479.70	5,724.54	5,709.44	15.09	379.259		
1,900.00	1,882.40	1,400.00	1,398.71	8.97	6.79	-102.07	-1,445.47	-5,481.17	5,735.90	5,720.27	15.63	366.869		
2,000.00	1,981.03	1,456.90	1,455.20	9.41	7.05	-102.21	-1,451.58	-5,484.27	5,748.12	5,731.82	16.29	352.754		
2,100.00	2,079.66	1,500.00	1,497.90	9.84	7.25	-102.32	-1,456.62	-5,487.14	5,761.56	5,744.66	16.90	340.991		
2,200.00	2,178.28	1,500.00	1,497.90	10.29	7.25	-102.32	-1,456.62	-5,487.14	5,776.27	5,758.96	17.31	333.764		
2,300.00	2,276.91	1,552.13	1,549.44	10.73	7.51	-102.45	-1,463.27	-5,491.34	5,791.89	5,773.93	17.95	322.591		
2,400.00	2,375.54	1,600.00	1,596.61	11.18	7.76	-102.58	-1,469.91	-5,496.01	5,808.98	5,790.40	18.58	312.640		
2,500.00	2,474.17	1,600.00	1,596.61	11.62	7.76	-102.58	-1,469.91	-5,496.01	5,827.08	5,808.10	18.98	307.002		
2,600.00	2,572.80	1,639.26	1,635.17	12.07	7.99	-102.68	-1,475.83	-5,500.37	5,846.42	5,826.84	19.57	298.712		
2,700.00	2,671.43	1,668.53	1,663.84	12.52	8.17	-102.76	-1,480.59	-5,503.90	5,866.95	5,846.84	20.11	291.742		
2,800.00	2,770.05	1,700.00	1,694.57	12.97	8.36	-102.85	-1,486.02	-5,507.96	5,888.64	5,867.99	20.65	285.096		
2,900.00	2,868.68	1,763.99	1,756.89	13.43	8.78	-103.04	-1,497.80	-5,516.46	5,911.22	5,889.83	21.38	276.430		
3,000.00	2,967.31	1,828.17	1,819.25	13.88	9.21	-103.23	-1,510.33	-5,524.99	5,934.32	5,912.21	22.12	268.321		
3,100.00	3,065.94	1,886.60	1,875.96	14.34	9.61	-103.41	-1,521.90	-5,533.03	5,958.08	5,935.26	22.82	261.088		
3,200.00	3,164.57	1,900.00	1,888.95	14.79	9.71	-103.44	-1,524.57	-5,534.92	5,982.79	5,959.53	23.26	257.174		
3,300.00	3,263.20	1,958.23	1,945.29	15.25	10.14	-103.62	-1,536.53	-5,543.56	6,008.24	5,984.27	23.97	250.662		
3,400.00	3,361.83	2,000.00	1,985.51	15.71	10.45	-103.75	-1,545.58	-5,550.23	6,034.91	6,010.34	24.57	245.588		
3,500.00	3,460.45	2,079.03	2,061.48	16.17	11.07	-103.99	-1,563.11	-5,563.12	6,062.29	6,036.87	25.41	238.553		
3,600.00	3,559.08	2,211.22	2,188.80	16.62	12.09	-104.39	-1,591.63	-5,584.35	6,089.40	6,062.83	26.57	229.156		
3,700.00	3,657.71	2,284.91	2,259.87	17.08	12.64	-104.60	-1,607.05	-5,596.26	6,116.51	6,089.14	27.37	223.487		
3,800.00	3,756.34	2,379.05	2,350.59	17.54	13.36	-104.88	-1,626.99	-5,611.53	6,143.90	6,115.61	28.29	217.153		
3,900.00	3,854.97	2,478.20	2,446.14	18.00	14.11	-105.17	-1,648.18	-5,627.42	6,171.33	6,142.07	29.25	210.974		
4,000.00	3,953.60	2,561.59	2,526.48	18.46	14.75	-105.41	-1,666.17	-5,640.69	6,198.87	6,168.75	30.12	205.831		
4,100.00	4,052.23	2,662.25	2,623.33	18.92	15.52	-105.71	-1,688.66	-5,656.48	6,226.64	6,195.55	31.10	200.228		
4,200.00	4,150.85	2,868.29	2,822.03	19.39	17.02	-106.32	-1,734.49	-5,685.85	6,252.95	6,220.20	32.75	190.903		
4,300.00	4,249.48	2,941.29	2,892.49	19.85	17.54	-106.53	-1,750.72	-5,695.90	6,279.33	6,245.77	33.56	187.132		
4,400.00	4,348.11	3,028.65	2,976.80	20.31	18.15	-106.78	-1,769.96	-5,708.28	6,306.09	6,271.65	34.44	183.084		
4,500.00	4,446.74	3,188.03	3,131.15	20.77	19.25	-107.22	-1,802.54	-5,731.05	6,332.50	6,296.74	35.76	177.059		
4,600.00	4,545.37	3,272.88	3,213.35	21.23	19.82	-107.45	-1,820.09	-5,742.58	6,358.50	6,321.88	36.62	173.615		
4,700.00	4,644.00	3,420.47	3,356.34	21.70	20.79	-107.86	-1,851.29	-5,761.67	6,384.23	6,346.36	37.88	168.557		
4,800.00	4,742.63	3,468.34	3,402.73	22.16	21.11	-107.99	-1,861.33	-5,767.90	6,410.11	6,371.61	38.50	166.481		
4,900.00	4,841.25	3,541.50	3,473.55	22.62	21.60	-108.19	-1,876.73	-5,777.91	6,436.69	6,397.40	39.29	163.838		
5,000.00	4,939.88	3,600.00	3,530.21	23.09	21.99	-108.35	-1,888.88	-5,785.91	6,463.43	6,423.45	39.98	161.683		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	3,654.84	3,583.21	23.55	22.38	-108.50	-1,900.77	-5,793.48	6,490.81	6,450.16	40.65	159.673		
5,200.00	5,137.14	3,700.00	3,626.62	24.02	22.71	-108.63	-1,911.43	-5,799.88	6,519.19	6,477.94	41.26	158.016		
5,300.00	5,235.77	3,740.19	3,665.14	24.48	23.02	-108.74	-1,921.32	-5,805.69	6,548.38	6,506.55	41.84	156.520		
5,400.00	5,334.40	3,800.00	3,722.38	24.94	23.49	-108.92	-1,936.21	-5,814.56	6,578.23	6,535.68	42.55	154.595		
5,500.00	5,433.03	3,870.06	3,789.40	25.41	24.05	-109.12	-1,953.56	-5,825.30	6,608.57	6,565.24	43.33	152.501		
5,600.00	5,531.65	4,137.02	4,046.29	25.87	26.05	-109.82	-2,013.34	-5,866.35	6,638.29	6,592.86	45.42	146.144		
5,700.00	5,630.28	4,271.18	4,176.22	26.34	26.96	-110.15	-2,040.70	-5,885.60	6,666.09	6,619.51	46.58	143.110		
5,800.00	5,728.91	4,353.06	4,255.57	26.80	27.52	-110.35	-2,057.06	-5,897.39	6,693.91	6,646.50	47.40	141.213		
5,900.00	5,827.54	4,420.00	4,320.36	27.27	27.98	-110.52	-2,070.96	-5,906.94	6,722.08	6,673.95	48.13	139.660		
6,000.00	5,926.17	4,474.40	4,372.91	27.73	28.36	-110.65	-2,082.63	-5,914.82	6,750.82	6,702.04	48.78	138.389		
6,100.00	6,024.80	4,548.44	4,444.30	28.20	28.89	-110.84	-2,098.90	-5,925.72	6,780.11	6,730.55	49.56	136.800		
6,200.00	6,123.43	4,621.65	4,514.88	28.66	29.42	-111.02	-2,115.10	-5,936.51	6,809.62	6,759.28	50.34	135.279		
6,272.77	6,195.20	4,622.97	4,514.88	29.00	30.06	-111.95	-2,292.06	-6,068.56	6,820.80	6,762.18	58.62	116.358		
6,300.00	6,222.05	4,628.81	4,518.24	29.13	30.14	-128.64	-2,292.40	-6,068.86	6,823.56	6,764.71	58.85	115.951		
6,350.00	6,271.23	4,616.61	4,486.04	29.36	30.32	-151.65	-2,293.14	-6,069.39	6,831.26	6,771.98	59.28	115.235		
6,400.00	6,319.99	4,638.45	4,516.87	29.58	30.53	-167.14	-2,293.99	-6,069.86	6,842.24	6,782.49	59.75	114.506		
6,450.00	6,368.01	4,633.36	4,516.87	29.79	30.67	-177.17	-2,294.49	-6,070.10	6,856.47	6,796.33	60.14	114.018		
6,500.00	6,415.02	4,673.12	4,516.87	29.99	30.79	175.92	-2,294.92	-6,070.36	6,873.98	6,813.49	60.49	113.642		
6,550.00	6,460.71	4,618.92	4,518.24	30.18	30.93	170.74	-2,295.39	-6,070.70	6,894.66	6,833.81	60.86	113.294		
6,600.00	6,504.81	4,679.14	4,518.24	30.36	31.12	166.55	-2,296.04	-6,071.04	6,918.28	6,857.01	61.27	112.918		
6,650.00	6,547.04	4,625.36	4,494.77	30.53	31.26	162.87	-2,296.59	-6,071.18	6,944.69	6,883.07	61.62	112.698		
6,700.00	6,587.14	4,663.07	4,532.47	30.69	31.38	159.42	-2,297.16	-6,071.23	6,973.82	6,911.88	61.94	112.597		
6,750.00	6,624.87	4,698.57	4,567.97	30.83	31.49	155.99	-2,297.80	-6,071.24	7,005.49	6,943.26	62.23	112.571 SF		
6,800.00	6,660.00	4,721.16	4,590.55	30.96	31.56	152.39	-2,298.25	-6,071.24	7,039.54	6,977.07	62.47	112.684		
6,850.00	6,692.30	4,741.41	4,610.80	31.07	31.62	148.47	-2,298.67	-6,071.28	7,075.80	7,013.10	62.69	112.866		
6,900.00	6,721.58	4,759.69	4,629.07	31.23	31.68	144.11	-2,299.06	-6,071.34	7,114.02	7,051.12	62.89	113.110		
6,950.00	6,747.66	4,775.88	4,645.25	31.56	31.73	139.14	-2,299.41	-6,071.42	7,153.96	7,090.88	63.08	113.412		
7,000.00	6,770.37	4,800.00	4,669.37	31.92	31.80	133.51	-2,299.95	-6,071.57	7,195.40	7,132.11	63.29	113.696		
7,050.00	6,789.58	4,805.63	4,675.00	32.33	31.82	126.88	-2,300.08	-6,071.61	7,238.03	7,174.61	63.42	114.136		
7,100.00	6,805.17	4,838.21	4,707.56	32.78	31.92	119.70	-2,300.84	-6,071.77	7,281.59	7,217.95	63.64	114.414		
7,150.00	6,817.03	4,863.38	4,732.74	33.27	31.90	111.68	-2,301.44	-6,071.84	7,325.82	7,261.98	63.84	114.757		
7,200.00	6,825.11	4,880.81	4,750.16	33.80	31.96	103.01	-2,301.87	-6,071.84	7,370.45	7,306.45	64.00	115.164		
7,250.00	6,829.35	4,890.15	4,759.50	34.37	31.99	94.03	-2,302.10	-6,071.84	7,415.25	7,351.12	64.13	115.630		
7,273.12	6,830.00	4,891.65	4,761.00	34.65	31.99	89.91	-2,302.14	-6,071.83	7,435.95	7,371.77	64.18	115.864		
7,300.00	6,830.28	4,892.34	4,761.69	34.98	31.99	89.92	-2,302.15	-6,071.83	7,460.00	7,395.77	64.23	116.140		
7,400.00	6,831.31	4,894.99	4,764.33	36.32	31.10	89.96	-2,302.22	-6,071.83	7,549.64	7,485.17	64.46	117.117		
7,500.00	6,832.34	4,897.75	4,767.09	37.83	31.11	90.01	-2,302.29	-6,071.82	7,639.53	7,574.80	64.73	118.024		
7,600.00	6,833.37	4,900.63	4,769.97	39.49	31.12	90.06	-2,302.36	-6,071.82	7,729.67	7,664.64	65.03	118.866		
7,700.00	6,834.40	4,903.64	4,772.98	41.27	31.13	90.11	-2,302.43	-6,071.81	7,820.05	7,754.70	65.36	119.648		
7,800.00	6,835.44	4,906.79	4,776.13	43.17	31.14	90.17	-2,302.51	-6,071.80	7,910.67	7,844.95	65.72	120.377		
7,900.00	6,836.47	4,910.09	4,779.43	45.17	31.15	90.22	-2,302.60	-6,071.79	8,001.50	7,935.40	66.10	121.057		
8,000.00	6,837.50	4,913.55	4,782.89	47.26	31.16	90.28	-2,302.68	-6,071.78	8,092.55	8,026.05	66.50	121.692		
8,100.00	6,838.53	4,917.18	4,786.52	49.43	31.17	90.35	-2,302.77	-6,071.77	8,183.81	8,116.89	66.92	122.288		
8,200.00	6,839.56	4,920.00	4,745.26	51.66	43.26	89.64	-2,301.77	-6,071.76	8,275.25	8,203.17	72.08	114.807		
8,300.00	6,840.59	4,930.00	4,746.03	53.95	43.58	89.65	-2,301.79	-6,071.76	8,366.91	8,294.03	72.88	114.807		
8,400.00	6,841.62	4,940.00	4,746.80	56.29	43.90	89.66	-2,301.80	-6,071.76	8,458.76	8,385.07	73.69	114.792		
8,500.00	6,842.65	4,950.00	4,747.57	58.67	44.22	89.68	-2,301.82	-6,071.77	8,550.79	8,476.29	74.51	114.766		
8,600.00	6,843.68	4,960.00	4,748.34	61.10	44.55	89.69	-2,301.84	-6,071.77	8,643.00	8,567.67	75.33	114.730		
8,700.00	6,844.71	4,970.00	4,749.11	63.56	44.87	89.70	-2,301.86	-6,071.77	8,735.38	8,659.22	76.17	114.688		
8,800.00	6,845.75	4,980.00	4,749.88	66.05	45.19	89.71	-2,301.88	-6,071.77	8,827.93	8,750.93	77.00	114.642		
8,900.00	6,846.78	4,990.00	4,750.64	68.58	45.52	89.73	-2,301.90	-6,071.77	8,920.64	8,842.79	77.85	114.592		
9,000.00	6,847.81	5,000.00	4,751.41	71.12	45.84	89.74	-2,301.91	-6,071.77	9,013.50	8,934.81	78.69	114.541		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - SOUTH #6-23D - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)		
9,100.00	6,848.84	9,100.00	6,752.18	73.69	46.17	89.75	-2,301.93	-6,071.78	9,106.52	9,026.98	79.54	114.491	
9,200.00	6,849.87	9,200.00	6,752.95	76.28	46.49	89.77	-2,301.95	-6,071.78	9,199.68	9,119.29	80.39	114.442	
9,300.00	6,850.90	9,300.00	6,753.72	78.89	46.82	89.78	-2,301.97	-6,071.78	9,292.99	9,211.75	81.24	114.395	
9,400.00	6,851.93	9,400.00	6,754.49	81.51	47.14	89.79	-2,301.99	-6,071.78	9,386.43	9,304.34	82.08	114.351	
9,500.00	6,852.96	9,500.00	6,755.26	84.15	47.47	89.81	-2,302.01	-6,071.78	9,480.00	9,397.07	82.93	114.311	
9,600.00	6,853.99	9,600.00	6,756.03	86.80	47.80	89.82	-2,302.02	-6,071.79	9,573.71	9,489.93	83.78	114.275	
9,700.00	6,855.03	9,700.00	6,756.79	89.46	48.12	89.83	-2,302.04	-6,071.79	9,667.54	9,582.92	84.62	114.243	
9,800.00	6,856.06	9,800.00	6,757.56	92.14	48.45	89.85	-2,302.06	-6,071.79	9,761.49	9,676.03	85.46	114.217	
9,900.00	6,857.09	9,900.00	6,758.33	94.83	48.78	89.86	-2,302.08	-6,071.79	9,855.57	9,769.26	86.30	114.197	
10,000.00	6,858.12	10,000.00	6,759.10	97.52	49.11	89.87	-2,302.10	-6,071.79	9,949.75	9,862.61	87.14	114.182	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	10.35	10.35	3.28	3.28	-104.88	-1,451.12	-5,462.00	5,651.48					
100.00	100.00	154.51	154.51	3.28	3.31	-104.88	-1,451.04	-5,460.91	5,650.63	5,644.03	6.60	856.708		
200.00	200.00	242.72	242.71	3.34	3.38	-104.88	-1,451.01	-5,460.22	5,649.86	5,643.14	6.72	840.753		
300.00	300.00	331.80	331.79	3.44	3.50	-104.88	-1,451.02	-5,459.65	5,649.25	5,642.30	6.94	813.904		
349.72	349.71	372.31	372.30	3.52	3.56	-100.93	-1,451.03	-5,459.47	5,649.12	5,642.05	7.08	798.187 CC		
400.00	399.98	415.86	415.85	3.60	3.64	-100.94	-1,451.03	-5,459.36	5,649.24	5,642.01	7.24	780.333 ES		
500.00	499.84	516.09	516.08	3.81	3.84	-100.98	-1,450.96	-5,459.18	5,650.05	5,642.40	7.65	738.873		
600.00	599.45	625.21	625.20	4.06	4.10	-101.04	-1,450.77	-5,458.83	5,651.36	5,643.21	8.15	693.362		
700.00	698.70	710.24	710.23	4.34	4.33	-101.10	-1,450.71	-5,458.62	5,653.46	5,644.80	8.65	653.242		
775.00	772.83	776.41	776.40	4.57	4.52	-101.16	-1,450.72	-5,458.57	5,655.64	5,646.57	9.07	623.549		
800.00	797.48	798.42	798.41	4.65	4.59	-101.20	-1,450.74	-5,458.57	5,656.46	5,647.24	9.21	613.898		
900.00	896.11	864.23	864.22	4.97	4.79	-101.31	-1,451.06	-5,458.72	5,660.07	5,650.32	9.74	580.830		
1,000.00	994.74	900.00	899.98	5.31	4.90	-101.37	-1,451.46	-5,458.90	5,664.42	5,654.21	10.21	554.870		
1,100.00	1,093.37	952.52	952.48	5.68	5.07	-101.47	-1,452.75	-5,459.49	5,669.70	5,658.95	10.75	527.500		
1,200.00	1,192.00	1,000.00	999.90	6.06	5.24	-101.56	-1,454.89	-5,460.50	5,676.21	5,664.92	11.29	502.876		
1,300.00	1,290.63	1,028.78	1,028.62	6.45	5.34	-101.63	-1,456.63	-5,461.30	5,683.77	5,671.99	11.78	482.376		
1,400.00	1,389.26	1,071.08	1,070.78	6.86	5.51	-101.72	-1,459.75	-5,462.67	5,692.39	5,680.05	12.34	461.428		
1,500.00	1,487.88	1,100.00	1,099.57	7.27	5.62	-101.79	-1,462.28	-5,463.73	5,702.06	5,689.21	12.85	443.841		
1,600.00	1,586.51	1,156.99	1,156.20	7.69	5.87	-101.93	-1,468.21	-5,466.08	5,712.67	5,699.18	13.49	423.467		
1,700.00	1,685.14	1,200.00	1,198.83	8.11	6.07	-102.05	-1,473.53	-5,468.08	5,724.32	5,710.24	14.08	406.558		
1,800.00	1,783.77	1,252.96	1,251.21	8.54	6.33	-102.19	-1,480.91	-5,470.74	5,736.89	5,722.15	14.74	389.317		
1,900.00	1,882.40	1,300.00	1,297.63	8.97	6.57	-102.33	-1,488.10	-5,473.25	5,750.30	5,734.94	15.37	374.187		
2,000.00	1,981.03	1,343.96	1,340.91	9.41	6.82	-102.46	-1,495.35	-5,475.80	5,764.67	5,748.68	16.00	360.318		
2,100.00	2,079.66	1,400.00	1,395.93	9.84	7.13	-102.64	-1,505.35	-5,479.51	5,780.16	5,763.46	16.69	346.235		
2,200.00	2,178.28	1,445.23	1,440.21	10.29	7.40	-102.78	-1,513.97	-5,482.67	5,796.47	5,779.12	17.35	334.155		
2,300.00	2,276.91	1,500.00	1,493.75	10.73	7.74	-102.96	-1,524.92	-5,486.41	5,813.36	5,795.31	18.05	322.037		
2,400.00	2,375.54	1,567.50	1,559.55	11.18	8.16	-103.19	-1,539.19	-5,491.13	5,830.92	5,812.08	18.84	309.446		
2,500.00	2,474.17	1,629.63	1,619.93	11.62	8.57	-103.40	-1,553.11	-5,495.71	5,849.32	5,829.71	19.61	298.233		
2,600.00	2,572.80	1,700.00	1,688.06	12.07	9.04	-103.65	-1,570.00	-5,500.67	5,868.22	5,847.77	20.44	287.031		
2,700.00	2,671.43	1,748.16	1,734.48	12.52	9.39	-103.83	-1,582.36	-5,504.04	5,887.85	5,866.70	21.16	278.268		
2,800.00	2,770.05	1,800.00	1,784.21	12.97	9.77	-104.03	-1,596.51	-5,507.84	5,908.48	5,886.58	21.90	269.840		
2,900.00	2,868.68	1,832.46	1,815.22	13.43	10.02	-104.16	-1,605.78	-5,510.34	5,930.04	5,907.53	22.51	263.393		
3,000.00	2,967.31	1,873.37	1,854.17	13.88	10.35	-104.32	-1,617.84	-5,513.64	5,952.61	5,929.42	23.19	256.694		
3,100.00	3,065.94	1,900.00	1,879.44	14.34	10.56	-104.43	-1,625.93	-5,515.88	5,976.19	5,952.43	23.76	251.574		
3,200.00	3,164.57	1,958.05	1,934.30	14.79	11.07	-104.67	-1,644.24	-5,520.94	6,000.64	5,976.07	24.58	244.161		
3,300.00	3,263.20	2,000.00	1,973.72	15.25	11.44	-104.85	-1,658.06	-5,524.73	6,026.07	6,000.80	25.27	238.501		
3,400.00	3,361.83	2,052.39	2,022.72	15.71	11.93	-105.07	-1,675.97	-5,529.54	6,052.36	6,026.30	26.06	232.228		
3,500.00	3,460.45	2,100.00	2,067.02	16.17	12.38	-105.28	-1,692.84	-5,533.91	6,079.46	6,052.65	26.81	226.740		
3,600.00	3,559.08	2,146.28	2,109.90	16.62	12.85	-105.49	-1,709.70	-5,538.26	6,107.42	6,079.85	27.57	221.561		
3,700.00	3,657.71	2,200.00	2,159.48	17.08	13.39	-105.73	-1,729.70	-5,543.56	6,136.30	6,107.92	28.38	216.219		
3,800.00	3,756.34	2,229.89	2,186.97	17.54	13.70	-105.87	-1,741.03	-5,546.63	6,166.04	6,137.06	28.98	212.742		
3,900.00	3,854.97	2,269.41	2,223.20	18.00	14.13	-106.04	-1,756.23	-5,550.85	6,196.74	6,167.07	29.67	208.848		
4,000.00	3,953.60	2,300.00	2,251.16	18.46	14.45	-106.18	-1,768.17	-5,554.25	6,228.37	6,198.11	30.27	205.779		
4,100.00	4,052.23	2,350.43	2,297.10	18.92	15.03	-106.41	-1,788.15	-5,560.06	6,260.87	6,229.81	31.06	201.553		
4,200.00	4,150.85	2,400.00	2,342.07	19.39	15.59	-106.64	-1,808.14	-5,566.01	6,294.28	6,262.43	31.84	197.661		
4,300.00	4,249.48	2,441.08	2,379.19	19.85	16.09	-106.83	-1,824.99	-5,571.06	6,328.48	6,295.93	32.55	194.419		
4,400.00	4,348.11	2,500.00	2,432.22	20.31	16.79	-107.11	-1,849.62	-5,578.33	6,363.42	6,329.98	33.43	190.329		
4,500.00	4,446.74	2,530.38	2,459.43	20.77	17.19	-107.25	-1,862.58	-5,582.12	6,399.13	6,365.10	34.03	188.019		
4,600.00	4,545.37	2,565.32	2,490.56	21.23	17.64	-107.41	-1,877.80	-5,586.55	6,435.76	6,401.09	34.68	185.591		
4,700.00	4,644.00	2,600.00	2,521.31	21.70	18.09	-107.58	-1,893.23	-5,591.02	6,473.30	6,437.99	35.31	183.334		
4,800.00	4,742.63	2,647.37	2,563.10	22.16	18.74	-107.81	-1,914.63	-5,597.24	6,511.66	6,475.56	36.10	180.383		
4,900.00	4,841.25	2,700.00	2,609.37	22.62	19.47	-108.06	-1,938.71	-5,604.26	6,550.74	6,513.80	36.94	177.326		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,939.88	2,861.16	2,751.61	23.09	21.67	-108.82	-2,011.32	-5,625.92	6,590.05	6,551.05	39.00	168.959		
5,100.00	5,038.51	2,938.61	2,820.67	23.55	22.69	-109.17	-2,044.77	-5,636.41	6,628.74	6,588.66	40.08	165.387		
5,200.00	5,137.14	2,981.80	2,859.15	24.02	23.25	-109.36	-2,063.40	-5,642.53	6,668.16	6,627.39	40.77	163.559		
5,300.00	5,235.77	3,288.97	3,136.13	24.48	27.01	-110.65	-2,188.80	-5,685.85	6,706.63	6,662.49	44.14	151.948		
5,400.00	5,334.40	3,693.19	3,507.98	24.94	31.08	-112.22	-2,340.11	-5,732.41	6,741.17	6,693.14	48.03	140.364		
5,500.00	5,433.03	3,700.00	3,514.28	25.41	31.15	-112.24	-2,342.62	-5,733.05	6,775.23	6,726.91	48.32	140.219		
5,600.00	5,531.65	3,744.36	3,555.11	25.87	31.60	-112.41	-2,359.42	-5,737.38	6,810.06	6,761.10	48.96	139.108		
5,700.00	5,630.28	3,800.00	3,605.76	26.34	32.16	-112.64	-2,381.66	-5,743.27	6,846.31	6,796.62	49.69	137.783		
5,800.00	5,728.91	3,800.00	3,605.76	26.80	32.16	-112.64	-2,381.66	-5,743.27	6,882.99	6,833.09	49.90	137.937		
5,900.00	5,827.54	3,821.50	3,625.20	27.27	32.41	-112.72	-2,390.53	-5,745.67	6,920.85	6,870.54	50.32	137.546		
6,000.00	5,926.17	3,863.19	3,662.83	27.73	32.89	-112.89	-2,407.84	-5,750.45	6,959.52	6,908.58	50.93	136.647		
6,100.00	6,024.80	3,900.00	3,695.97	28.20	33.31	-113.04	-2,423.24	-5,754.82	6,998.91	6,947.42	51.49	135.931		
6,200.00	6,123.43	3,961.53	3,751.25	28.66	34.05	-113.29	-2,449.19	-5,762.32	7,038.91	6,986.60	52.31	134.574		
6,272.77	6,195.20	4,005.59	3,790.78	29.00	34.57	-113.46	-2,467.89	-5,767.79	7,068.37	7,015.48	52.89	133.647		
6,300.00	6,222.05	4,226.94	3,991.13	29.13	37.09	-129.36	-2,558.00	-5,794.60	7,079.57	7,024.44	55.14	128.404		
6,350.00	6,271.23	4,248.07	4,010.48	29.36	37.32	-153.17	-2,566.04	-5,797.26	7,102.11	7,046.68	55.43	128.138		
6,400.00	6,319.99	4,268.71	4,029.38	29.58	37.54	-169.55	-2,573.91	-5,799.93	7,127.77	7,072.06	55.71	127.948		
6,450.00	6,368.01	4,300.00	4,058.00	29.79	37.87	179.34	-2,585.84	-5,804.09	7,156.40	7,100.32	56.09	127.595 SF		
6,500.00	6,415.02	4,300.00	4,058.00	29.99	37.87	171.24	-2,585.84	-5,804.09	7,187.76	7,131.59	56.17	127.968		
6,550.00	6,460.71	4,328.07	4,083.65	30.18	38.19	164.59	-2,596.58	-5,807.92	7,221.65	7,165.14	56.51	127.783		
6,600.00	6,504.81	4,346.55	4,100.52	30.36	38.40	158.63	-2,603.68	-5,810.49	7,257.85	7,201.08	56.77	127.854		
6,650.00	6,547.04	4,363.85	4,116.30	30.53	38.59	152.83	-2,610.35	-5,812.91	7,296.11	7,239.11	57.00	127.993		
6,700.00	6,587.14	4,379.84	4,130.87	30.69	38.77	146.81	-2,616.52	-5,815.18	7,336.18	7,278.96	57.23	128.195		
6,750.00	6,624.87	4,400.00	4,149.23	30.83	39.00	140.30	-2,624.34	-5,818.07	7,377.81	7,320.32	57.49	128.338		
6,800.00	6,660.00	4,414.52	4,162.45	30.96	39.16	133.05	-2,629.98	-5,820.16	7,420.71	7,363.02	57.70	128.616		
6,850.00	6,692.30	4,436.93	4,182.82	31.07	39.42	124.99	-2,638.75	-5,823.34	7,464.60	7,406.62	57.98	128.735		
6,900.00	6,721.58	4,456.43	4,200.54	31.23	39.65	116.09	-2,646.42	-5,826.08	7,509.22	7,450.97	58.25	128.923		
6,950.00	6,747.66	4,472.93	4,215.52	31.56	39.84	106.53	-2,652.95	-5,828.36	7,554.30	7,495.81	58.48	129.173		
7,000.00	6,770.37	4,486.31	4,227.66	31.92	40.00	96.71	-2,658.27	-5,830.20	7,599.57	7,540.88	58.69	129.478		
7,050.00	6,789.58	4,496.48	4,236.89	32.33	40.11	87.12	-2,662.32	-5,831.58	7,644.78	7,585.89	58.88	129.830		
7,100.00	6,805.17	4,503.36	4,243.12	32.78	40.19	78.24	-2,665.07	-5,832.51	7,689.65	7,630.60	59.05	130.222		
7,150.00	6,817.03	4,506.88	4,246.31	33.27	40.23	70.36	-2,666.48	-5,832.99	7,733.94	7,674.74	59.20	130.647		
7,200.00	6,825.11	4,506.97	4,246.40	33.80	40.24	63.59	-2,666.52	-5,833.00	7,777.38	7,718.05	59.33	131.098		
7,250.00	6,829.35	4,503.60	4,243.34	34.37	40.20	57.89	-2,665.17	-5,832.55	7,819.72	7,760.29	59.43	131.568		
7,273.12	6,830.00	4,500.87	4,240.86	34.65	40.16	55.59	-2,664.07	-5,832.18	7,838.87	7,779.39	59.48	131.795		
7,300.00	6,830.28	4,497.24	4,237.57	34.98	40.12	55.55	-2,662.62	-5,831.68	7,860.95	7,801.42	59.53	132.048		
7,400.00	6,831.31	4,483.58	4,225.18	36.32	39.96	55.38	-2,657.18	-5,829.82	7,943.38	7,883.62	59.76	132.912		
7,500.00	6,832.34	4,469.66	4,212.55	37.83	39.80	55.21	-2,651.65	-5,827.91	8,026.19	7,966.15	60.04	133.685		
7,600.00	6,833.37	4,455.47	4,199.67	39.49	39.64	55.03	-2,646.04	-5,825.94	8,109.36	8,049.01	60.35	134.379		
7,700.00	6,834.40	4,441.00	4,186.52	41.27	39.47	54.85	-2,640.35	-5,823.92	8,192.88	8,132.20	60.69	135.002		
7,800.00	6,835.44	4,426.25	4,173.11	43.17	39.30	54.67	-2,634.56	-5,821.83	8,276.75	8,215.70	61.05	135.565		
7,900.00	6,836.47	4,411.20	4,159.42	45.17	39.13	54.48	-2,628.69	-5,819.68	8,360.95	8,299.50	61.44	136.077		
8,000.00	6,837.50	4,400.00	4,149.23	47.26	39.00	54.34	-2,624.34	-5,818.07	8,445.46	8,383.57	61.90	136.448		
8,100.00	6,838.53	4,400.00	4,149.23	49.43	39.00	54.34	-2,624.34	-5,818.07	8,530.31	8,467.82	62.49	136.513		
8,200.00	6,839.56	4,400.00	4,149.23	51.66	39.00	54.34	-2,624.34	-5,818.07	8,615.48	8,552.38	63.10	136.544		
8,300.00	6,840.59	4,377.89	4,129.09	53.95	38.75	54.07	-2,615.77	-5,814.90	8,700.91	8,637.42	63.49	137.051		
8,400.00	6,841.62	4,371.25	4,123.05	56.29	38.67	53.99	-2,613.20	-5,813.96	8,786.67	8,722.61	64.05	137.181		
8,500.00	6,842.65	4,364.68	4,117.05	58.67	38.60	53.91	-2,610.67	-5,813.03	8,872.71	8,808.08	64.63	137.292		
8,600.00	6,843.68	4,358.16	4,111.11	61.10	38.53	53.83	-2,608.15	-5,812.11	8,959.03	8,893.82	65.21	137.389		
8,700.00	6,844.71	4,351.70	4,105.22	63.56	38.45	53.75	-2,605.67	-5,811.21	9,045.63	8,979.83	65.80	137.475		
8,800.00	6,845.75	4,345.30	4,099.38	66.05	38.38	53.67	-2,603.20	-5,810.31	9,132.49	9,066.09	66.39	137.554		
8,900.00	6,846.78	4,338.96	4,093.59	68.58	38.31	53.59	-2,600.76	-5,809.43	9,219.60	9,152.62	66.99	137.630		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #6-24D - 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)						
9,000.00	6,847.81	4,332.67	4,087.85	71.12	38.24	53.52	-2,598.35	-5,808.56	9,306.97	9,239.38	67.59	137.704					
9,100.00	6,848.84	4,326.44	4,082.16	73.69	38.17	53.44	-2,595.96	-5,807.70	9,394.58	9,326.40	68.19	137.779					
9,200.00	6,849.87	4,300.00	4,058.00	76.28	37.87	53.12	-2,585.84	-5,804.09	9,482.47	9,413.92	68.56	138.317					
9,300.00	6,850.90	4,300.00	4,058.00	78.89	37.87	53.12	-2,585.84	-5,804.09	9,570.53	9,501.31	69.22	138.260					
9,400.00	6,851.93	4,300.00	4,058.00	81.51	37.87	53.12	-2,585.84	-5,804.09	9,658.81	9,588.93	69.88	138.211					
9,500.00	6,852.96	4,300.00	4,058.00	84.15	37.87	53.12	-2,585.84	-5,804.09	9,747.33	9,676.78	70.55	138.171					
9,600.00	6,853.99	4,300.00	4,058.00	86.80	37.87	53.12	-2,585.84	-5,804.09	9,836.06	9,764.86	71.20	138.141					
9,700.00	6,855.03	4,300.00	4,058.00	89.46	37.87	53.12	-2,585.84	-5,804.09	9,925.01	9,853.15	71.86	138.122					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	24.11	2,211.33	989.81	2,422.82					
100.00	100.00	79.38	79.38	3.28	3.28	24.11	2,211.35	989.88	2,422.79	2,416.22	6.57	368.816		
200.00	200.00	179.76	179.76	3.34	3.33	24.12	2,211.39	990.07	2,422.91	2,416.25	6.66	363.596		
300.00	300.00	278.69	278.69	3.44	3.42	24.12	2,211.45	990.19	2,423.01	2,416.15	6.87	352.801		
400.00	399.98	377.29	377.29	3.60	3.57	28.11	2,211.60	990.25	2,421.64	2,414.47	7.17	337.718		
500.00	499.84	476.01	476.01	3.81	3.75	28.21	2,211.89	990.13	2,417.24	2,409.68	7.56	319.644		
600.00	599.45	572.78	572.78	4.06	3.97	28.36	2,212.29	989.94	2,409.85	2,401.83	8.03	300.283		
700.00	698.70	673.42	673.41	4.34	4.23	28.59	2,212.84	989.60	2,399.48	2,390.92	8.56	280.241		
775.00	772.83	750.52	750.51	4.57	4.44	28.81	2,213.22	989.22	2,389.63	2,380.62	9.01	265.300		
800.00	797.48	776.26	776.25	4.65	4.52	28.86	2,213.33	989.08	2,386.04	2,376.88	9.16	260.410		
900.00	896.11	874.79	874.78	4.97	4.82	29.03	2,213.71	988.52	2,371.67	2,361.88	9.79	242.328		
1,000.00	994.74	971.73	971.71	5.31	5.13	29.21	2,214.08	988.12	2,357.38	2,346.93	10.44	225.728		
1,100.00	1,093.37	1,199.09	1,198.96	5.68	5.92	29.73	2,208.51	988.43	2,341.28	2,329.71	11.57	202.281		
1,200.00	1,192.00	1,457.28	1,455.79	6.06	7.02	30.52	2,182.55	986.95	2,316.75	2,303.88	12.87	179.966		
1,300.00	1,290.63	1,300.00	1,671.69	6.45	6.27	31.40	2,146.05	986.21	2,287.17	2,274.64	12.54	182.457		
1,400.00	1,389.26	1,870.70	1,860.87	6.86	9.36	32.43	2,101.51	987.59	2,252.52	2,237.26	15.26	147.623		
1,500.00	1,487.88	1,979.96	1,966.53	7.27	10.08	33.09	2,073.77	989.21	2,216.98	2,200.84	16.14	137.338		
1,600.00	1,586.51	2,137.28	2,117.71	7.69	11.15	34.13	2,030.37	991.87	2,179.88	2,162.65	17.23	126.486		
1,700.00	1,685.14	2,276.55	2,250.57	8.11	12.14	35.13	1,988.63	993.17	2,140.79	2,122.52	18.27	117.200		
1,800.00	1,783.77	2,472.06	2,434.04	8.54	13.72	36.69	1,921.18	992.60	2,096.60	2,077.08	19.52	107.390		
1,900.00	1,882.40	1,900.00	2,612.62	8.97	8.49	38.56	1,845.25	992.87	2,050.31	2,034.01	16.30	125.805		
2,000.00	1,981.03	2,795.26	2,728.74	9.41	16.81	39.99	1,788.93	992.92	2,000.50	1,978.53	21.97	91.043		
2,100.00	2,079.66	2,836.90	2,766.32	9.84	17.21	40.47	1,770.99	992.68	1,951.59	1,928.80	22.79	85.615		
2,200.00	2,178.28	2,877.27	2,803.17	10.29	17.59	40.92	1,754.52	992.51	1,904.95	1,881.31	23.63	80.602		
2,300.00	2,276.91	2,300.00	2,892.12	10.73	12.44	42.04	1,715.70	992.09	1,859.37	1,838.81	20.56	90.444		
2,400.00	2,375.54	3,082.32	2,990.32	11.18	19.48	43.38	1,670.80	991.40	1,812.86	1,787.05	25.80	70.263		
2,500.00	2,474.17	3,144.42	3,046.95	11.62	20.03	44.18	1,645.30	990.90	1,767.38	1,740.60	26.78	65.986		
2,600.00	2,572.80	3,207.87	3,105.39	12.07	20.58	44.97	1,620.60	989.86	1,723.61	1,695.83	27.78	62.038		
2,700.00	2,671.43	3,313.94	3,203.12	12.52	21.47	46.35	1,579.47	987.61	1,680.28	1,651.38	28.90	58.148		
2,800.00	2,770.05	3,400.63	3,282.91	12.97	22.20	47.52	1,545.66	985.14	1,637.02	1,607.03	29.99	54.588		
2,900.00	2,868.68	3,456.99	3,335.01	13.43	22.65	48.29	1,524.22	983.49	1,595.01	1,563.99	31.02	51.413		
3,000.00	2,967.31	3,520.45	3,394.06	13.88	23.14	49.19	1,501.02	982.14	1,555.12	1,523.02	32.09	48.458		
3,100.00	3,065.94	3,600.91	3,468.98	14.34	23.75	50.38	1,471.71	981.15	1,516.56	1,483.34	33.22	45.648		
3,200.00	3,164.57	3,684.30	3,546.59	14.79	24.39	51.68	1,441.20	980.61	1,479.02	1,444.62	34.40	42.999		
3,300.00	3,263.20	3,772.42	3,628.46	15.25	25.07	53.14	1,408.62	980.44	1,442.36	1,406.73	35.62	40.490		
3,400.00	3,361.83	3,867.28	3,716.14	15.71	25.83	54.84	1,372.40	980.97	1,406.34	1,369.42	36.92	38.090		
3,500.00	3,460.45	3,960.33	3,801.73	16.17	26.60	56.62	1,335.89	981.52	1,370.77	1,332.50	38.27	35.816		
3,600.00	3,559.08	4,060.60	3,893.35	16.62	27.46	58.69	1,295.17	982.46	1,335.87	1,296.16	39.71	33.644		
3,700.00	3,657.71	4,151.24	3,976.05	17.08	28.24	60.62	1,258.09	982.06	1,301.26	1,260.13	41.13	31.637		
3,800.00	3,756.34	4,237.73	4,055.50	17.54	28.97	62.47	1,223.94	980.57	1,268.05	1,225.50	42.54	29.806		
3,900.00	3,854.97	4,326.83	4,137.21	18.00	29.71	64.46	1,188.46	978.71	1,235.88	1,191.90	43.98	28.098		
4,000.00	3,953.60	4,409.75	4,213.30	18.46	30.40	66.39	1,155.56	976.86	1,205.27	1,159.83	45.44	26.524		
4,100.00	4,052.23	4,498.02	4,294.30	18.92	31.14	68.51	1,120.55	974.70	1,176.23	1,129.30	46.93	25.064		
4,200.00	4,150.85	4,614.71	4,400.41	19.39	32.16	71.53	1,072.16	970.99	1,147.70	1,099.15	48.55	23.638		
4,300.00	4,249.48	4,690.69	4,469.17	19.85	32.86	73.60	1,039.96	968.19	1,120.48	1,070.35	50.13	22.350		
4,400.00	4,348.11	4,769.71	4,541.06	20.31	33.55	75.77	1,007.30	965.03	1,095.68	1,043.99	51.69	21.197		
4,500.00	4,446.74	4,842.06	4,607.49	20.77	34.15	77.75	978.82	961.93	1,073.62	1,020.44	53.18	20.189		
4,600.00	4,545.37	4,911.56	4,671.85	21.23	34.69	79.65	952.70	959.55	1,055.04	1,000.44	54.60	19.323		
4,700.00	4,644.00	4,985.73	4,740.92	21.70	35.24	81.68	925.73	957.67	1,039.81	983.85	55.97	18.579		
4,800.00	4,742.63	5,065.03	4,815.12	22.16	35.79	83.86	897.79	956.20	1,027.70	970.41	57.29	17.940		
4,900.00	4,841.25	5,140.41	4,886.10	22.62	36.29	85.89	872.46	955.10	1,018.51	960.01	58.50	17.411		
5,000.00	4,939.88	5,214.53	4,956.60	23.09	36.74	87.81	849.59	954.81	1,012.80	953.21	59.59	16.995		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,299.05	5,038.14	23.55	37.17	89.81	827.38	954.85	1,009.88	949.28	60.60	16.664		
5,200.00	5,137.14	5,392.59	5,129.49	24.02	37.56	91.79	807.29	954.77	1,008.75	947.22	61.52	16.396		
5,265.63	5,201.87	5,456.89	5,192.70	24.32	37.80	93.04	795.51	954.51	1,008.59	946.50	62.09	16.244		
5,300.00	5,235.77	5,491.09	5,226.43	24.48	37.92	93.67	789.86	954.28	1,008.63	946.24	62.38	16.168		
5,400.00	5,334.40	5,587.44	5,321.74	24.94	38.25	95.35	775.80	953.49	1,009.24	946.06	63.18	15.975		
5,500.00	5,433.03	5,687.87	5,421.38	25.41	38.56	96.98	763.27	952.45	1,010.48	946.54	63.94	15.803		
5,600.00	5,531.65	5,789.99	5,522.90	25.87	38.87	98.54	752.30	950.95	1,011.97	947.28	64.69	15.644		
5,700.00	5,630.28	5,890.81	5,623.34	26.34	39.17	99.95	743.77	949.14	1,013.65	948.25	65.40	15.499		
5,800.00	5,728.91	5,993.42	5,725.71	26.80	39.45	101.27	737.15	947.07	1,015.45	949.34	66.10	15.361		
5,900.00	5,827.54	6,093.99	5,826.12	27.27	39.73	102.49	731.83	944.76	1,017.33	950.54	66.79	15.232		
6,000.00	5,926.17	6,195.42	5,927.44	27.73	40.01	103.65	727.81	942.32	1,019.33	951.87	67.47	15.108		
6,100.00	6,024.80	6,306.03	6,037.98	28.20	40.31	104.76	726.29	939.30	1,020.97	952.81	68.16	14.980		
6,200.00	6,123.43	6,393.41	6,125.33	28.66	40.55	105.51	727.25	937.33	1,022.87	954.05	68.82	14.864		
6,272.77	6,195.20	6,465.07	6,196.98	29.00	40.75	106.09	728.54	936.21	1,024.78	955.47	69.31	14.785		
6,300.00	6,222.05	6,492.16	6,224.06	29.13	40.82	91.77	728.98	935.77	1,024.95	955.45	69.49	14.749		
6,350.00	6,271.23	6,542.09	6,273.98	29.36	40.96	69.67	729.64	934.90	1,022.32	952.50	69.82	14.641		
6,400.00	6,319.99	6,591.46	6,323.34	29.58	41.10	55.39	729.98	933.93	1,015.94	945.79	70.14	14.484		
6,450.00	6,368.01	6,637.09	6,368.96	29.79	41.23	46.81	730.26	933.05	1,005.91	935.47	70.44	14.281		
6,500.00	6,415.02	6,681.35	6,413.20	29.99	41.35	41.66	730.98	932.43	992.43	921.71	70.71	14.034		
6,550.00	6,460.71	6,725.73	6,457.57	30.18	41.48	38.62	732.02	932.00	975.57	904.59	70.98	13.745		
6,600.00	6,504.81	6,769.23	6,501.06	30.36	41.60	37.02	732.72	931.51	955.39	884.18	71.22	13.415		
6,650.00	6,547.04	6,809.72	6,541.55	30.53	41.71	36.46	733.02	930.99	932.07	860.64	71.43	13.049		
6,700.00	6,587.14	6,845.64	6,577.46	30.69	41.82	36.69	733.11	930.59	905.89	834.28	71.60	12.651		
6,750.00	6,624.87	6,879.52	6,611.35	30.83	41.91	37.67	733.08	930.32	877.09	805.34	71.75	12.224		
6,800.00	6,660.00	6,913.75	6,645.58	30.96	42.01	39.47	732.96	930.15	845.87	774.00	71.88	11.768		
6,850.00	6,692.30	6,949.46	6,681.28	31.07	42.11	42.26	732.97	929.91	812.28	740.29	71.98	11.284		
6,900.00	6,721.58	6,981.61	6,713.43	31.23	42.21	45.92	733.13	929.60	776.55	704.50	72.05	10.778		
6,950.00	6,747.66	7,010.00	6,741.82	31.56	42.29	50.51	733.40	929.27	739.06	666.97	72.09	10.252		
7,000.00	6,770.37	7,034.21	6,766.03	31.92	42.36	56.03	733.68	928.92	700.17	628.08	72.09	9.712		
7,050.00	6,789.58	7,054.41	6,786.22	32.33	42.42	62.39	733.96	928.59	660.30	588.24	72.06	9.163		
7,100.00	6,805.17	7,070.45	6,802.25	32.78	42.46	69.35	734.20	928.30	619.88	547.88	71.99	8.610		
7,150.00	6,817.03	7,082.29	6,814.09	33.27	42.50	76.48	734.39	928.07	579.39	507.49	71.90	8.058		
7,200.00	6,825.11	7,089.91	6,821.71	33.80	42.52	83.29	734.52	927.91	539.34	467.57	71.77	7.514		
7,250.00	6,829.35	7,093.33	6,825.12	34.37	42.53	89.30	734.58	927.84	500.30	428.68	71.62	6.985		
7,273.12	6,830.00	7,093.50	6,825.30	34.65	42.53	91.72	734.58	927.83	482.75	411.21	71.54	6.748		
7,300.00	6,830.28	7,093.19	6,824.98	34.98	42.53	91.66	734.57	927.84	462.91	391.48	71.44	6.480		
7,400.00	6,831.31	7,092.04	6,823.84	36.32	42.52	91.45	734.55	927.86	396.48	325.44	71.04	5.581		
7,500.00	6,832.34	7,090.91	6,822.71	37.83	42.52	91.25	734.53	927.89	346.55	275.86	70.69	4.902		
7,600.00	6,833.37	7,089.81	6,821.61	39.49	42.52	91.05	734.51	927.91	320.93	250.08	70.85	4.530		
7,635.52	6,833.74	7,089.42	6,821.22	40.12	42.52	90.98	734.51	927.92	318.95	247.79	71.17	4.482 CC, ES, SF		
7,700.00	6,834.40	7,088.73	6,820.53	41.27	42.52	90.86	734.50	927.93	325.41	253.34	72.06	4.516		
7,800.00	6,835.44	7,087.67	6,819.47	43.17	42.51	90.67	734.48	927.96	358.86	285.10	73.77	4.865		
7,900.00	6,836.47	7,086.63	6,818.43	45.17	42.51	90.48	734.46	927.98	414.34	339.34	75.00	5.525		
8,000.00	6,837.50	7,085.61	6,817.42	47.26	42.51	90.30	734.44	928.00	484.32	408.70	75.62	6.404		
8,100.00	6,838.53	7,084.62	6,816.42	49.43	42.50	90.12	734.43	928.02	563.43	487.56	75.87	7.426		
8,200.00	6,839.56	7,083.64	6,815.44	51.66	42.50	89.95	734.41	928.04	648.34	572.40	75.94	8.538		
8,300.00	6,840.59	7,082.68	6,814.48	53.95	42.50	89.77	734.39	928.06	737.04	661.12	75.92	9.709		
8,400.00	6,841.62	7,081.74	6,813.54	56.29	42.49	89.60	734.38	928.08	828.31	752.45	75.86	10.919		
8,500.00	6,842.65	7,080.81	6,812.61	58.67	42.49	89.44	734.36	928.10	921.40	845.60	75.80	12.156		
8,600.00	6,843.68	7,079.91	6,811.71	61.10	42.49	89.28	734.35	928.11	1,015.81	940.07	75.74	13.412		
8,700.00	6,844.71	7,079.02	6,810.82	63.56	42.49	89.12	734.33	928.13	1,111.19	1,035.51	75.68	14.682		
8,800.00	6,845.75	7,078.14	6,809.94	66.05	42.48	88.96	734.32	928.15	1,207.32	1,131.68	75.63	15.963		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,846.78	7,077.28	6,809.09	68.58	42.48	88.81	734.31	928.17	1,304.03	1,228.44	75.59	17.251		
9,000.00	6,847.81	7,076.44	6,808.24	71.12	42.48	88.65	734.29	928.18	1,401.20	1,325.64	75.56	18.545		
9,100.00	6,848.84	7,075.61	6,807.41	73.69	42.48	88.51	734.28	928.20	1,498.74	1,423.22	75.53	19.844		
9,200.00	6,849.87	7,074.80	6,806.60	76.28	42.47	88.36	734.27	928.22	1,596.59	1,521.09	75.50	21.146		
9,300.00	6,850.90	7,074.00	6,805.80	78.89	42.47	88.22	734.25	928.23	1,694.69	1,619.20	75.49	22.450		
9,400.00	6,851.93	7,073.21	6,805.02	81.51	42.47	88.08	734.24	928.25	1,793.00	1,717.52	75.47	23.757		
9,500.00	6,852.96	7,072.44	6,804.24	84.15	42.47	87.94	734.23	928.26	1,891.48	1,816.01	75.47	25.064		
9,600.00	6,853.99	7,071.68	6,803.49	86.80	42.47	87.80	734.22	928.28	1,990.12	1,914.65	75.46	26.373		
9,700.00	6,855.03	7,070.93	6,802.74	89.46	42.46	87.67	734.21	928.29	2,088.88	2,013.42	75.46	27.681		
9,800.00	6,856.06	7,070.20	6,802.01	92.14	42.46	87.54	734.19	928.30	2,187.76	2,112.29	75.47	28.990		
9,900.00	6,857.09	7,069.48	6,801.28	94.83	42.46	87.41	734.18	928.32	2,286.73	2,211.26	75.47	30.299		
10,000.00	6,858.12	7,068.77	6,800.57	97.52	42.46	87.28	734.17	928.33	2,385.79	2,310.31	75.48	31.608		
10,100.00	6,859.15	7,068.07	6,799.88	100.23	42.46	87.15	734.16	928.34	2,484.93	2,409.43	75.49	32.915		
10,200.00	6,860.18	7,067.38	6,799.19	102.94	42.45	87.03	734.15	928.36	2,584.13	2,508.62	75.51	34.222		
10,300.00	6,861.21	7,066.71	6,798.51	105.66	42.45	86.91	734.14	928.37	2,683.39	2,607.86	75.53	35.529		
10,400.00	6,862.24	7,066.04	6,797.85	108.39	42.45	86.79	734.13	928.38	2,782.70	2,707.15	75.55	36.834		
10,500.00	6,863.27	7,065.39	6,797.19	111.12	42.45	86.68	734.12	928.39	2,882.06	2,806.49	75.57	38.138		
10,600.00	6,864.30	7,064.74	6,796.55	113.86	42.45	86.56	734.11	928.41	2,981.46	2,905.87	75.59	39.440		
10,700.00	6,865.34	7,064.11	6,795.91	116.60	42.44	86.45	734.10	928.42	3,080.90	3,005.28	75.62	40.742		
10,800.00	6,866.37	7,063.48	6,795.29	119.35	42.44	86.33	734.09	928.43	3,180.38	3,104.73	75.65	42.041		
10,900.00	6,867.40	7,062.87	6,794.67	122.11	42.44	86.23	734.08	928.44	3,279.89	3,204.21	75.68	43.339		
11,000.00	6,868.43	7,062.26	6,794.07	124.87	42.44	86.12	734.07	928.45	3,379.43	3,303.71	75.71	44.636		
11,100.00	6,869.46	7,061.66	6,793.47	127.63	42.44	86.01	734.06	928.46	3,478.99	3,403.24	75.74	45.930		
11,200.00	6,870.49	7,061.07	6,792.88	130.40	42.44	85.91	734.05	928.47	3,578.58	3,502.80	75.78	47.223		
11,300.00	6,871.52	7,060.49	6,792.30	133.17	42.43	85.80	734.05	928.48	3,678.19	3,602.37	75.82	48.514		
11,400.00	6,872.55	7,059.92	6,791.73	135.94	42.43	85.70	734.04	928.49	3,777.82	3,701.96	75.86	49.803		
11,500.00	6,873.58	7,059.36	6,791.17	138.72	42.43	85.60	734.03	928.50	3,877.47	3,801.57	75.90	51.089		
11,600.00	6,874.62	7,058.81	6,790.61	141.50	42.43	85.50	734.02	928.51	3,977.13	3,901.19	75.94	52.374		
11,700.00	6,875.65	7,058.26	6,790.07	144.28	42.43	85.40	734.01	928.52	4,076.82	4,000.83	75.98	53.656		
11,800.00	6,876.68	7,057.72	6,789.53	147.07	42.43	85.31	734.00	928.53	4,176.51	4,100.49	76.02	54.936		
11,900.00	6,877.71	7,057.19	6,789.00	149.85	42.42	85.21	734.00	928.54	4,276.22	4,200.15	76.07	56.214		
12,000.00	6,878.74	7,056.67	6,788.48	152.65	42.42	85.12	733.99	928.55	4,375.95	4,299.83	76.12	57.489		
12,100.00	6,879.77	7,056.15	6,787.96	155.44	42.42	85.03	733.98	928.56	4,475.69	4,399.52	76.17	58.762		
12,200.00	6,880.80	7,055.64	6,787.45	158.23	42.42	84.94	733.97	928.57	4,575.44	4,499.22	76.22	60.032		
12,300.00	6,881.83	7,055.14	6,786.95	161.03	42.42	84.85	733.97	928.58	4,675.20	4,598.93	76.27	61.300		
12,400.00	6,882.86	7,054.64	6,786.45	163.83	42.42	84.76	733.96	928.59	4,774.96	4,698.64	76.32	62.565		
12,500.00	6,883.89	7,054.16	6,785.97	166.63	42.42	84.67	733.95	928.60	4,874.74	4,798.37	76.37	63.828		
12,600.00	6,884.93	7,053.67	6,785.48	169.43	42.41	84.59	733.95	928.60	4,974.53	4,898.10	76.43	65.088		
12,700.00	6,885.96	7,053.20	6,785.01	172.24	42.41	84.50	733.94	928.61	5,074.33	4,997.84	76.48	66.345		
12,800.00	6,886.99	7,052.73	6,784.54	175.04	42.41	84.42	733.93	928.62	5,174.13	5,097.59	76.54	67.600		
12,900.00	6,888.02	7,052.27	6,784.08	177.85	42.41	84.34	733.93	928.63	5,273.94	5,197.34	76.60	68.851		
13,000.00	6,889.05	7,051.81	6,783.62	180.66	42.41	84.26	733.92	928.64	5,373.76	5,297.10	76.66	70.100		
13,100.00	6,890.08	7,051.36	6,783.17	183.47	42.41	84.18	733.91	928.64	5,473.58	5,396.86	76.72	71.346		
13,200.00	6,891.11	7,050.91	6,782.72	186.28	42.41	84.10	733.91	928.65	5,573.41	5,496.63	76.78	72.589		
13,300.00	6,892.14	7,050.47	6,782.29	189.10	42.40	84.02	733.90	928.66	5,673.25	5,596.41	76.84	73.829		
13,400.00	6,893.17	7,050.04	6,781.85	191.91	42.40	83.95	733.89	928.67	5,773.09	5,696.19	76.91	75.066		
13,500.00	6,894.21	7,049.61	6,781.42	194.73	42.40	83.87	733.89	928.67	5,872.94	5,795.97	76.97	76.300		
13,600.00	6,895.24	7,049.19	6,781.00	197.54	42.40	83.79	733.88	928.68	5,972.79	5,895.76	77.04	77.530		
13,700.00	6,896.27	7,048.77	6,780.58	200.36	42.40	83.72	733.88	928.69	6,072.65	5,995.55	77.10	78.758		
13,800.00	6,897.30	7,048.36	6,780.17	203.18	42.40	83.65	733.87	928.70	6,172.51	6,095.34	77.17	79.983		
13,900.00	6,898.33	7,047.95	6,779.77	206.00	42.40	83.58	733.87	928.70	6,272.38	6,195.14	77.24	81.204		
14,000.00	6,899.36	7,047.55	6,779.36	208.82	42.40	83.50	733.86	928.71	6,372.25	6,294.94	77.31	82.422		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,900.39	7,047.16	6,778.97	211.64	42.39	83.43	733.85	928.72	6,472.12	6,394.74	77.38	83.637		
14,200.00	6,901.42	7,046.76	6,778.57	214.46	42.39	83.37	733.85	928.72	6,572.00	6,494.55	77.46	84.849		
14,300.00	6,902.45	7,046.38	6,778.19	217.28	42.39	83.30	733.84	928.73	6,671.88	6,594.36	77.53	86.057		
14,400.00	6,903.48	7,045.99	6,777.80	220.11	42.39	83.23	733.84	928.74	6,771.77	6,694.17	77.60	87.263		
14,500.00	6,904.52	7,045.62	6,777.43	222.93	42.39	83.16	733.83	928.74	6,871.66	6,793.98	77.68	88.464		
14,600.00	6,905.55	7,045.24	6,777.05	225.76	42.39	83.10	733.83	928.75	6,971.55	6,893.80	77.75	89.663		
14,700.00	6,906.58	7,044.87	6,776.68	228.58	42.39	83.03	733.82	928.75	7,071.45	6,993.62	77.83	90.858		
14,800.00	6,907.61	7,044.51	6,776.32	231.41	42.39	82.97	733.82	928.76	7,171.34	7,093.44	77.91	92.049		
14,900.00	6,908.64	7,044.15	6,775.96	234.24	42.39	82.90	733.81	928.77	7,271.24	7,193.26	77.99	93.237		
15,000.00	6,909.67	7,043.79	6,775.60	237.06	42.39	82.84	733.81	928.77	7,371.15	7,293.08	78.07	94.422		
15,100.00	6,910.70	7,043.44	6,775.25	239.89	42.38	82.78	733.80	928.78	7,471.05	7,392.91	78.15	95.603		
15,200.00	6,911.73	7,043.09	6,774.90	242.72	42.38	82.72	733.80	928.78	7,570.96	7,492.73	78.23	96.780		
15,300.00	6,912.76	7,042.75	6,774.56	245.55	42.38	82.66	733.79	928.79	7,670.87	7,592.56	78.31	97.955		
15,400.00	6,913.80	7,042.40	6,774.22	248.38	42.38	82.60	733.79	928.79	7,770.78	7,692.39	78.39	99.125		
15,500.00	6,914.83	7,042.07	6,773.88	251.21	42.38	82.54	733.79	928.80	7,870.70	7,792.22	78.48	100.292		
15,600.00	6,915.86	7,041.74	6,773.55	254.04	42.38	82.48	733.78	928.81	7,970.62	7,892.05	78.56	101.455		
15,700.00	6,916.89	7,041.41	6,773.22	256.88	42.38	82.42	733.78	928.81	8,070.54	7,991.89	78.65	102.615		
15,800.00	6,917.92	7,041.08	6,772.89	259.71	42.38	82.36	733.77	928.82	8,170.46	8,091.72	78.74	103.771		
15,900.00	6,918.95	7,040.76	6,772.57	262.54	42.38	82.31	733.77	928.82	8,270.38	8,191.56	78.82	104.924		
16,000.00	6,919.98	7,040.44	6,772.25	265.37	42.38	82.25	733.76	928.83	8,370.30	8,291.39	78.91	106.073		
16,100.00	6,921.01	7,040.13	6,771.94	268.21	42.37	82.20	733.76	928.83	8,470.23	8,391.23	79.00	107.218		
16,200.00	6,922.04	7,039.82	6,771.63	271.04	42.37	82.14	733.76	928.84	8,570.16	8,491.07	79.09	108.359		
16,300.00	6,923.08	7,039.51	6,771.32	273.88	42.37	82.09	733.75	928.84	8,670.09	8,590.91	79.18	109.497		
16,400.00	6,924.11	7,039.20	6,771.02	276.71	42.37	82.03	733.75	928.85	8,770.02	8,690.75	79.27	110.631		
16,500.00	6,925.14	7,038.90	6,770.71	279.55	42.37	81.98	733.74	928.85	8,869.95	8,790.59	79.37	111.761		
16,600.00	6,926.17	7,038.60	6,770.42	282.38	42.37	81.93	733.74	928.86	8,969.89	8,890.43	79.46	112.888		
16,700.00	6,927.20	7,038.31	6,770.12	285.22	42.37	81.88	733.74	928.86	9,069.82	8,990.27	79.55	114.011		
16,800.00	6,928.23	7,038.02	6,769.83	288.05	42.37	81.83	733.73	928.86	9,169.76	9,090.11	79.65	115.130		
16,900.00	6,929.26	7,037.73	6,769.54	290.89	42.37	81.78	733.73	928.87	9,269.70	9,189.96	79.74	116.245		
17,000.00	6,930.29	7,037.44	6,769.25	293.73	42.37	81.73	733.72	928.87	9,369.64	9,289.80	79.84	117.357		
17,100.00	6,931.32	7,037.16	6,768.97	296.56	42.37	81.68	733.72	928.88	9,469.58	9,389.64	79.94	118.464		
17,200.00	6,932.35	7,036.88	6,768.69	299.40	42.36	81.63	733.72	928.88	9,569.52	9,489.49	80.03	119.568		
17,300.00	6,933.39	7,036.60	6,768.42	302.24	42.36	81.58	733.71	928.89	9,669.47	9,589.33	80.13	120.669		
17,400.00	6,934.42	7,036.33	6,768.14	305.08	42.36	81.53	733.71	928.89	9,769.41	9,689.18	80.23	121.765		
17,500.00	6,935.45	7,036.06	6,767.87	307.92	42.36	81.48	733.71	928.90	9,869.36	9,789.03	80.33	122.857		
17,553.57	6,936.00	7,035.91	6,767.73	309.44	42.36	81.46	733.70	928.90	9,922.90	9,842.51	80.39	123.441		
17,553.96	6,936.00	7,035.91	6,767.72	309.45	42.36	81.46	733.70	928.90	9,923.29	9,842.90	80.39	123.445		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	2,185.19	2,083.06	3.28	27.89	94.50	-404.09	5,137.48	5,577.36					
100.00	100.00	2,234.40	2,127.16	3.28	29.01	94.36	-390.54	5,120.36	5,539.42	5,518.12	21.30	260.035		
200.00	200.00	2,274.48	2,163.04	3.34	29.91	94.24	-378.83	5,106.89	5,502.38	5,480.50	21.88	251.482		
300.00	300.00	2,338.18	2,220.09	3.44	31.31	94.04	-359.54	5,086.13	5,466.19	5,443.37	22.82	239.535		
400.00	399.98	2,580.07	2,438.22	3.60	36.69	98.20	-297.55	5,002.07	5,428.83	5,402.90	25.93	209.363		
500.00	499.84	2,877.88	2,700.52	3.81	44.56	98.30	-209.63	4,892.14	5,389.83	5,359.25	30.58	176.263		
600.00	599.45	2,900.00	2,719.57	4.06	45.22	99.10	-202.21	4,883.70	5,349.57	5,318.39	31.19	171.539		
700.00	698.70	2,953.33	2,765.83	4.34	46.68	99.82	-184.72	4,863.73	5,310.55	5,278.24	32.31	164.351		
775.00	772.83	3,000.00	2,806.89	4.57	47.96	100.34	-170.23	4,846.96	5,282.66	5,249.38	33.28	158.742		
800.00	797.48	3,000.00	2,806.89	4.65	47.96	100.34	-170.23	4,846.96	5,273.41	5,240.06	33.35	158.140		
900.00	896.11	3,000.00	2,806.89	4.97	47.96	100.34	-170.23	4,846.96	5,237.43	5,203.78	33.65	155.664		
1,000.00	994.74	3,058.49	2,858.96	5.31	49.32	100.27	-152.91	4,826.69	5,202.37	5,167.57	34.80	149.498		
1,100.00	1,093.37	3,100.00	2,896.20	5.68	50.28	100.22	-141.05	4,812.73	5,168.35	5,132.61	35.74	144.618		
1,200.00	1,192.00	3,258.64	3,038.27	6.06	53.90	100.04	-96.14	4,758.28	5,133.34	5,095.09	38.25	134.188		
1,300.00	1,290.63	3,300.00	3,075.50	6.45	54.84	100.01	-85.11	4,744.04	5,098.99	5,059.79	39.20	130.064		
1,400.00	1,389.26	3,338.60	3,110.51	6.86	55.60	99.97	-75.28	4,731.07	5,065.65	5,025.60	40.05	126.478		
1,500.00	1,487.88	3,368.52	3,137.87	7.27	56.18	99.95	-68.02	4,721.39	5,033.54	4,992.73	40.82	123.325		
1,600.00	1,586.51	3,400.00	3,166.86	7.69	56.80	99.94	-60.71	4,711.55	5,002.66	4,961.06	41.60	120.244		
1,700.00	1,685.14	3,534.19	3,290.36	8.11	59.21	99.86	-29.10	4,669.68	4,971.75	4,928.32	43.43	114.474		
1,800.00	1,783.77	3,600.00	3,350.74	8.54	60.41	99.81	-12.68	4,649.27	4,940.95	4,896.35	44.61	110.762		
1,900.00	1,882.40	3,662.75	3,408.52	8.97	61.50	99.76	2.58	4,630.13	4,910.76	4,865.04	45.72	107.414		
2,000.00	1,981.03	3,700.00	3,443.03	9.41	62.14	99.75	10.97	4,618.91	4,881.36	4,834.79	46.57	104.814		
2,100.00	2,079.66	4,273.42	3,965.25	9.84	73.82	99.35	148.38	4,429.12	4,851.15	4,797.87	53.28	91.051		
2,200.00	2,178.28	4,300.00	3,988.41	10.29	74.57	99.31	156.97	4,419.29	4,813.70	4,759.42	54.28	88.682		
2,300.00	2,276.91	4,343.98	4,026.95	10.73	75.66	99.23	171.09	4,403.49	4,777.28	4,721.76	55.53	86.034		
2,400.00	2,375.54	4,400.00	4,076.71	11.18	77.06	99.14	188.46	4,384.51	4,742.49	4,685.53	56.96	83.255		
2,500.00	2,474.17	4,400.00	4,076.71	11.62	77.06	99.14	188.46	4,384.51	4,708.47	4,650.93	57.54	81.829		
2,600.00	2,572.80	4,440.09	4,112.74	12.07	77.87	99.08	200.39	4,371.60	4,675.93	4,617.30	58.63	79.756		
2,700.00	2,671.43	4,500.00	4,167.15	12.52	79.08	99.00	217.22	4,353.03	4,644.64	4,584.68	59.97	77.454		
2,800.00	2,770.05	4,595.01	4,253.72	12.97	80.88	98.88	243.33	4,323.85	4,613.92	4,552.24	61.67	74.813		
2,900.00	2,868.68	4,682.67	4,333.43	13.43	82.58	98.77	267.48	4,296.50	4,582.72	4,519.41	63.31	72.385		
3,000.00	2,967.31	4,842.58	4,478.80	13.88	85.77	98.59	309.95	4,245.20	4,550.63	4,484.85	65.79	69.172		
3,100.00	3,065.94	5,171.08	4,772.95	14.34	93.40	98.15	401.17	4,131.09	4,516.15	4,445.49	70.67	63.909		
3,200.00	3,164.57	5,317.38	4,901.68	14.79	97.34	97.92	443.27	4,075.74	4,478.15	4,404.71	73.44	60.977		
3,300.00	3,263.20	5,384.80	4,961.20	15.25	99.15	97.83	461.72	4,050.02	4,440.08	4,365.01	75.07	59.149		
3,400.00	3,361.83	5,479.25	5,045.01	15.71	101.63	97.71	486.38	4,014.13	4,402.32	4,325.34	76.98	57.189		
3,500.00	3,460.45	5,630.27	5,179.13	16.17	105.59	97.57	522.59	3,954.94	4,363.40	4,284.00	79.39	54.959		
3,600.00	3,559.08	5,680.51	5,224.14	16.62	106.86	97.55	532.89	3,935.15	4,324.77	4,244.16	80.61	53.650		
3,700.00	3,657.71	5,700.00	5,241.71	17.08	107.36	97.55	536.61	3,927.58	4,287.26	4,205.71	81.55	52.575		
3,800.00	3,756.34	5,760.63	5,296.76	17.54	108.67	97.54	547.56	3,904.66	4,250.61	4,167.91	82.70	51.398		
3,900.00	3,854.97	6,000.00	5,513.32	18.00	114.29	97.52	590.81	3,812.47	4,212.90	4,127.77	85.14	49.483		
4,000.00	3,953.60	6,048.77	5,557.01	18.46	115.43	97.52	599.65	3,792.69	4,173.74	4,087.50	86.24	48.395		
4,100.00	4,052.23	6,100.00	5,603.82	18.92	116.64	97.54	607.44	3,773.39	4,136.68	4,049.35	87.33	47.368		
4,200.00	4,150.85	6,100.00	5,603.82	19.39	116.64	97.54	607.44	3,773.39	4,100.52	4,012.40	88.11	46.537		
4,300.00	4,249.48	6,100.00	5,603.82	19.85	116.64	97.54	607.44	3,773.39	4,066.49	3,977.62	88.86	45.761		
4,400.00	4,348.11	6,142.92	5,643.70	20.31	117.30	97.57	612.97	3,758.53	4,033.69	3,943.99	89.70	44.968		
4,500.00	4,446.74	6,200.00	5,697.61	20.77	118.19	97.63	619.22	3,740.87	4,003.43	3,912.89	90.54	44.215		
4,600.00	4,545.37	6,200.00	5,697.61	21.23	118.19	97.63	619.22	3,740.87	3,973.74	3,882.51	91.23	43.559		
4,700.00	4,644.00	6,200.00	5,697.61	21.70	118.19	97.63	619.22	3,740.87	3,946.36	3,854.49	91.87	42.957		
4,800.00	4,742.63	6,239.38	5,735.31	22.16	118.55	97.68	622.48	3,730.00	3,920.62	3,828.14	92.48	42.396		
4,900.00	4,841.25	6,265.96	5,760.96	22.62	118.79	97.73	623.99	3,723.20	3,896.69	3,803.65	93.05	41.879		
5,000.00	4,939.88	6,300.00	5,794.01	23.09	119.10	97.80	625.09	3,715.13	3,874.57	3,780.99	93.57	41.406		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	6,300.00	5,794.01	23.55	119.10	97.80	625.09	3,715.13	3,854.36	3,760.30	94.07	40.974		
5,200.00	5,137.14	6,347.49	5,840.42	24.02	119.33	97.92	625.63	3,705.10	3,835.63	3,741.19	94.44	40.615		
5,300.00	5,235.77	6,400.00	5,892.08	24.48	119.59	98.06	625.37	3,695.65	3,819.19	3,724.42	94.77	40.300		
5,400.00	5,334.40	6,400.00	5,892.08	24.94	119.59	98.06	625.37	3,695.65	3,804.03	3,708.89	95.15	39.981		
5,500.00	5,433.03	6,435.57	5,927.22	25.41	119.69	98.16	624.96	3,690.19	3,790.95	3,695.52	95.43	39.725		
5,600.00	5,531.65	6,467.91	5,959.26	25.87	119.77	98.25	624.69	3,685.80	3,779.64	3,683.95	95.69	39.499		
5,700.00	5,630.28	6,500.00	5,991.12	26.34	119.86	98.34	624.51	3,682.00	3,770.10	3,674.18	95.92	39.304		
5,800.00	5,728.91	6,500.00	5,991.12	26.80	119.86	98.34	624.51	3,682.00	3,762.79	3,666.68	96.11	39.153		
5,900.00	5,827.54	6,552.38	6,043.29	27.27	119.94	98.47	624.63	3,677.29	3,756.75	3,660.45	96.30	39.011		
6,000.00	5,926.17	6,600.00	6,090.84	27.73	120.02	98.58	625.29	3,674.79	3,753.25	3,656.77	96.48	38.900		
6,100.00	6,024.80	6,600.00	6,090.84	28.20	120.02	98.58	625.29	3,674.79	3,751.28	3,654.75	96.53	38.860		
6,179.63	6,103.34	6,656.28	6,147.09	28.57	120.08	98.71	626.24	3,673.15	3,750.89	3,654.20	96.70	38.791		
6,200.00	6,123.43	6,667.96	6,158.76	28.66	120.09	98.74	626.40	3,672.89	3,750.92	3,654.19	96.73	38.778		
6,272.77	6,195.20	6,715.90	6,206.69	29.00	120.14	98.85	626.94	3,672.04	3,751.38	3,654.52	96.86	38.731		
6,300.00	6,222.05	6,741.61	6,232.39	29.13	120.16	98.87	627.20	3,671.64	3,751.05	3,654.13	96.92	38.701		
6,350.00	6,271.23	6,788.66	6,279.43	29.36	120.21	98.89	627.67	3,670.93	3,747.48	3,650.44	97.04	38.618		
6,400.00	6,319.99	6,840.85	6,331.62	29.58	120.26	98.94	628.18	3,670.15	3,740.03	3,642.87	97.16	38.494		
6,450.00	6,368.01	6,893.92	6,384.68	29.79	120.32	99.00	628.62	3,669.28	3,728.70	3,631.44	97.26	38.336		
6,500.00	6,415.02	6,945.96	6,436.71	29.99	120.37	99.06	629.05	3,668.34	3,713.57	3,616.21	97.35	38.145		
6,550.00	6,460.71	6,996.47	6,487.20	30.18	120.42	99.12	629.56	3,667.38	3,694.72	3,597.29	97.43	37.923		
6,600.00	6,504.81	7,038.85	6,529.58	30.36	120.46	99.18	630.08	3,666.55	3,672.31	3,574.85	97.47	37.678		
6,650.00	6,547.04	7,078.96	6,569.68	30.53	120.51	99.24	630.69	3,665.80	3,646.54	3,549.05	97.49	37.405		
6,700.00	6,587.14	7,121.62	6,612.32	30.69	120.55	99.30	631.47	3,665.02	3,617.53	3,520.02	97.51	37.099		
6,750.00	6,624.87	7,166.91	6,657.59	30.83	120.60	99.36	632.44	3,664.13	3,585.41	3,487.87	97.53	36.760		
6,800.00	6,660.00	7,208.83	6,699.48	30.96	120.65	99.42	633.47	3,663.23	3,550.36	3,452.82	97.54	36.399		
6,850.00	6,692.30	7,242.34	6,732.98	31.07	120.68	99.48	634.28	3,662.46	3,512.64	3,415.13	97.51	36.024		
6,900.00	6,721.58	7,273.29	6,763.91	31.23	120.72	99.54	634.98	3,661.72	3,472.50	3,375.04	97.46	35.631		
6,950.00	6,747.66	7,300.59	6,791.20	31.56	120.75	99.60	635.56	3,661.05	3,430.20	3,332.82	97.39	35.223		
7,000.00	6,770.37	7,320.65	6,811.25	31.92	120.77	99.66	635.97	3,660.55	3,386.02	3,288.73	97.29	34.804		
7,050.00	6,789.58	7,337.52	6,828.11	32.33	120.79	99.72	636.32	3,660.14	3,340.23	3,243.06	97.17	34.374		
7,100.00	6,805.17	7,351.01	6,841.59	32.78	120.81	99.78	636.59	3,659.82	3,293.12	3,196.07	97.05	33.933		
7,150.00	6,817.03	7,361.02	6,851.60	33.27	120.82	99.84	636.79	3,659.58	3,244.97	3,148.05	96.91	33.483		
7,200.00	6,825.11	7,367.49	6,858.06	33.80	120.83	99.90	636.91	3,659.43	3,196.06	3,099.29	96.77	33.027		
7,250.00	6,829.35	7,370.36	6,860.93	34.37	120.83	99.96	636.97	3,659.36	3,146.70	3,050.08	96.62	32.567		
7,273.12	6,830.00	7,370.46	6,861.04	34.65	120.83	99.98	636.97	3,659.36	3,123.81	3,027.25	96.55	32.353		
7,300.00	6,830.28	7,370.13	6,860.71	34.98	120.83	99.99	636.97	3,659.36	3,097.19	3,000.72	96.47	32.104		
7,400.00	6,831.31	7,368.90	6,859.48	36.32	120.83	99.99	636.94	3,659.39	2,998.19	2,902.03	96.16	31.179		
7,500.00	6,832.34	7,367.67	6,858.24	37.83	120.83	99.99	636.92	3,659.42	2,899.26	2,803.42	95.84	30.252		
7,600.00	6,833.37	7,366.43	6,857.00	39.49	120.82	99.99	636.89	3,659.45	2,800.41	2,704.91	95.50	29.324		
7,700.00	6,834.40	7,365.18	6,855.76	41.27	120.82	99.99	636.87	3,659.48	2,701.64	2,606.49	95.15	28.394		
7,800.00	6,835.44	7,363.93	6,854.51	43.17	120.82	99.99	636.84	3,659.51	2,602.96	2,508.18	94.78	27.463		
7,900.00	6,836.47	7,362.67	6,853.25	45.17	120.82	99.99	636.82	3,659.54	2,504.39	2,409.99	94.40	26.530		
8,000.00	6,837.50	7,361.41	6,851.99	47.26	120.82	99.99	636.79	3,659.57	2,405.93	2,311.93	94.00	25.595		
8,100.00	6,838.53	7,360.15	6,850.73	49.43	120.82	99.99	636.77	3,659.60	2,307.61	2,214.02	93.59	24.657		
8,200.00	6,839.56	7,358.88	6,849.46	51.66	120.82	99.99	636.74	3,659.63	2,209.44	2,116.28	93.16	23.718		
8,300.00	6,840.59	7,357.60	6,848.18	53.95	120.81	99.99	636.72	3,659.66	2,111.43	2,018.72	92.71	22.775		
8,400.00	6,841.62	7,356.32	6,846.90	56.29	120.81	99.99	636.69	3,659.69	2,013.63	1,921.38	92.25	21.829		
8,500.00	6,842.65	7,355.04	6,845.62	58.67	120.81	99.99	636.67	3,659.72	1,916.04	1,824.28	91.77	20.879		
8,600.00	6,843.68	7,353.74	6,844.33	61.10	120.81	99.99	636.64	3,659.75	1,818.72	1,727.44	91.28	19.924		
8,700.00	6,844.71	7,352.45	6,843.03	63.56	120.81	99.99	636.61	3,659.78	1,721.71	1,630.93	90.79	18.965		
8,800.00	6,845.75	7,351.15	6,841.73	66.05	120.81	99.99	636.59	3,659.81	1,625.06	1,534.77	90.29	17.998		
8,900.00	6,846.78	7,349.84	6,840.42	68.58	120.81	99.99	636.56	3,659.85	1,528.83	1,439.03	89.80	17.025		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,847.81	7,348.53	6,839.11	71.12	120.80	93.64	636.54	3,659.88	1,433.13	1,343.79	89.34	16.042		
9,100.00	6,848.84	7,347.21	6,837.79	73.69	120.80	93.46	636.51	3,659.91	1,338.05	1,249.12	88.92	15.047		
9,200.00	6,849.87	7,345.89	6,836.47	76.28	120.80	93.28	636.48	3,659.94	1,243.74	1,155.15	88.59	14.039		
9,300.00	6,850.90	7,344.56	6,835.14	78.89	120.80	93.11	636.46	3,659.97	1,150.39	1,061.98	88.41	13.013		
9,400.00	6,851.93	7,343.22	6,833.81	81.51	120.80	92.93	636.43	3,660.01	1,058.25	969.78	88.47	11.962		
9,500.00	6,852.96	7,341.88	6,832.47	84.15	120.80	92.75	636.40	3,660.04	967.67	878.71	88.97	10.877		
9,600.00	6,853.99	7,340.54	6,831.13	86.80	120.79	92.57	636.38	3,660.07	879.14	788.91	90.23	9.743		
9,700.00	6,855.03	7,339.19	6,829.78	89.46	120.79	92.39	636.35	3,660.10	793.33	700.44	92.90	8.540		
9,800.00	6,856.06	7,337.83	6,828.42	92.14	120.79	92.21	636.32	3,660.14	711.24	613.17	98.08	7.252		
9,900.00	6,857.09	7,336.47	6,827.06	94.83	120.79	92.03	636.29	3,660.17	634.31	526.88	107.44	5.904		
10,000.00	6,858.12	7,335.10	6,825.69	97.52	120.79	91.84	636.27	3,660.20	564.66	442.11	122.55	4.608		
10,100.00	6,859.15	7,333.73	6,824.32	100.23	120.79	91.66	636.24	3,660.23	505.29	361.58	143.71	3.516		
10,200.00	6,860.18	7,332.35	6,822.94	102.94	120.79	91.47	636.21	3,660.27	460.20	291.24	168.97	2.724		
10,300.00	6,861.21	7,330.96	6,821.56	105.66	120.78	91.29	636.18	3,660.30	433.89	240.10	193.79	2.239		
10,367.67	6,861.91	7,330.02	6,820.62	107.50	120.78	91.16	636.16	3,660.33	428.58	221.29	207.29	2.068 CC		
10,400.00	6,862.24	7,329.57	6,820.17	108.39	120.78	91.10	636.16	3,660.34	429.80	217.55	212.24	2.025 ES, SF		
10,500.00	6,863.27	7,328.18	6,818.77	111.12	120.78	90.92	636.13	3,660.37	448.54	227.94	220.60	2.033		
10,600.00	6,864.30	7,326.77	6,817.37	113.86	120.78	90.73	636.10	3,660.40	487.49	267.74	219.74	2.218		
10,700.00	6,865.34	7,325.37	6,815.96	116.60	120.78	90.54	636.07	3,660.44	542.31	329.04	213.27	2.543		
10,800.00	6,866.37	7,323.95	6,814.55	119.35	120.78	90.35	636.04	3,660.47	608.73	404.22	204.50	2.977		
10,900.00	6,867.40	7,322.53	6,813.13	122.11	120.77	90.16	636.01	3,660.51	683.37	487.92	195.45	3.496		
11,000.00	6,868.43	7,321.10	6,811.70	124.87	120.77	89.97	635.98	3,660.54	763.83	576.80	187.03	4.084		
11,100.00	6,869.46	7,319.67	6,810.27	127.63	120.77	89.78	635.95	3,660.58	848.46	668.91	179.55	4.726		
11,200.00	6,870.49	7,318.23	6,808.83	130.40	120.77	89.59	635.93	3,660.61	936.11	763.08	173.03	5.410		
11,300.00	6,871.52	7,316.79	6,807.39	133.17	120.77	89.40	635.90	3,660.65	1,026.03	858.63	167.40	6.129		
11,400.00	6,872.55	7,315.34	6,805.94	135.94	120.77	89.20	635.87	3,660.69	1,117.66	955.12	162.55	6.876		
11,500.00	6,873.58	7,313.88	6,804.48	138.72	120.76	89.01	635.84	3,660.72	1,210.61	1,052.27	158.34	7.646		
11,600.00	6,874.62	7,312.42	6,803.02	141.50	120.76	88.81	635.81	3,660.76	1,304.61	1,149.92	154.69	8.433		
11,700.00	6,875.65	7,310.95	6,801.55	144.28	120.76	88.62	635.78	3,660.79	1,399.44	1,247.92	151.51	9.237		
11,800.00	6,876.68	7,309.47	6,800.07	147.07	120.76	88.42	635.75	3,660.83	1,494.93	1,346.22	148.72	10.052		
11,900.00	6,877.71	7,307.99	6,798.59	149.85	120.76	88.22	635.72	3,660.87	1,590.99	1,444.73	146.26	10.878		
12,000.00	6,878.74	7,306.50	6,797.10	152.65	120.76	88.02	635.69	3,660.90	1,687.49	1,543.41	144.08	11.712		
12,100.00	6,879.77	7,305.00	6,795.61	155.44	120.75	87.82	635.65	3,660.94	1,784.39	1,642.24	142.14	12.554		
12,200.00	6,880.80	7,303.50	6,794.11	158.23	120.75	87.62	635.62	3,660.98	1,881.60	1,741.19	140.41	13.401		
12,300.00	6,881.83	7,301.99	6,792.60	161.03	120.75	87.42	635.59	3,661.02	1,979.09	1,840.24	138.86	14.253		
12,400.00	6,882.86	7,300.48	6,791.08	163.83	120.75	87.22	635.56	3,661.05	2,076.82	1,939.37	137.46	15.109		
12,500.00	6,883.89	7,299.07	6,789.68	166.63	120.75	87.03	635.53	3,661.09	2,174.76	2,038.57	136.19	15.969		
12,600.00	6,884.93	7,297.73	6,788.34	169.43	120.75	86.86	635.51	3,661.12	2,272.87	2,137.83	135.04	16.831		
12,700.00	6,885.96	7,296.39	6,787.01	172.24	120.75	86.68	635.48	3,661.16	2,371.14	2,237.14	134.00	17.695		
12,800.00	6,886.99	7,295.07	6,785.68	175.04	120.74	86.50	635.45	3,661.19	2,469.55	2,336.51	133.05	18.562		
12,900.00	6,888.02	7,293.74	6,784.36	177.85	120.74	86.33	635.42	3,661.22	2,568.08	2,435.91	132.17	19.429		
13,000.00	6,889.05	7,292.43	6,783.04	180.66	120.74	86.15	635.39	3,661.26	2,666.72	2,535.35	131.38	20.298		
13,100.00	6,890.08	7,291.12	6,781.74	183.47	120.74	85.98	635.37	3,661.29	2,765.46	2,634.82	130.64	21.168		
13,200.00	6,891.11	7,289.82	6,780.44	186.28	120.74	85.81	635.34	3,661.32	2,864.28	2,734.32	129.97	22.039		
13,300.00	6,892.14	7,288.53	6,779.14	189.10	120.74	85.63	635.31	3,661.35	2,963.18	2,833.84	129.34	22.910		
13,400.00	6,893.17	7,287.24	6,777.86	191.91	120.73	85.46	635.29	3,661.38	3,062.16	2,933.39	128.77	23.781		
13,500.00	6,894.21	7,285.96	6,776.58	194.73	120.73	85.30	635.26	3,661.41	3,161.19	3,032.96	128.23	24.652		
13,600.00	6,895.24	7,284.69	6,775.31	197.54	120.73	85.13	635.23	3,661.45	3,260.29	3,132.55	127.74	25.523		
13,700.00	6,896.27	7,283.42	6,774.04	200.36	120.73	84.96	635.20	3,661.48	3,359.44	3,232.16	127.28	26.394		
13,800.00	6,897.30	7,282.16	6,772.78	203.18	120.73	84.79	635.18	3,661.51	3,458.63	3,331.78	126.85	27.265		
13,900.00	6,898.33	7,280.91	6,771.53	206.00	120.73	84.63	635.15	3,661.54	3,557.88	3,431.42	126.46	28.135		
14,000.00	6,899.36	7,279.66	6,770.28	208.82	120.73	84.46	635.12	3,661.57	3,657.16	3,531.07	126.09	29.004		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,900.39	7,278.42	6,769.04	211.64	120.72	84.30	635.10	3,661.60	3,756.48	3,630.73	125.75	29.873		
14,200.00	6,901.42	7,277.19	6,767.81	214.46	120.72	84.14	635.07	3,661.63	3,855.83	3,730.40	125.43	30.742		
14,300.00	6,902.45	7,275.96	6,766.58	217.28	120.72	83.98	635.04	3,661.66	3,955.22	3,830.09	125.13	31.609		
14,400.00	6,903.48	7,274.74	6,765.36	220.11	120.72	83.82	635.02	3,661.69	4,054.63	3,929.78	124.85	32.476		
14,500.00	6,904.52	7,273.53	6,764.15	222.93	120.72	83.66	634.99	3,661.72	4,154.08	4,029.49	124.59	33.342		
14,600.00	6,905.55	7,272.32	6,762.94	225.76	120.72	83.50	634.96	3,661.75	4,253.55	4,129.20	124.35	34.207		
14,700.00	6,906.58	7,271.12	6,761.74	228.58	120.72	83.34	634.94	3,661.78	4,353.04	4,228.92	124.12	35.071		
14,800.00	6,907.61	7,269.92	6,760.55	231.41	120.72	83.18	634.91	3,661.81	4,452.56	4,328.65	123.91	35.934		
14,900.00	6,908.64	7,268.73	6,759.36	234.24	120.71	83.03	634.88	3,661.83	4,552.09	4,428.38	123.71	36.796		
15,000.00	6,909.67	7,267.55	6,758.17	237.06	120.71	82.87	634.86	3,661.86	4,651.65	4,528.12	123.53	37.656		
15,100.00	6,910.70	7,266.37	6,757.00	239.89	120.71	82.72	634.83	3,661.89	4,751.22	4,627.87	123.36	38.516		
15,200.00	6,911.73	7,265.20	6,755.82	242.72	120.71	82.56	634.81	3,661.92	4,850.82	4,727.62	123.20	39.374		
15,300.00	6,912.76	7,264.03	6,754.66	245.55	120.71	82.41	634.78	3,661.95	4,950.42	4,827.37	123.05	40.231		
15,400.00	6,913.80	7,262.87	6,753.50	248.38	120.71	82.26	634.75	3,661.98	5,050.05	4,927.14	122.91	41.087		
15,500.00	6,914.83	5,435.36	5,006.05	251.21	100.48	18.09	475.00	4,030.83	5,146.27	5,026.74	119.53	43.055		
15,600.00	6,915.86	5,405.52	4,979.57	254.04	99.71	18.07	467.20	4,042.16	5,239.19	5,119.87	119.32	43.907		
15,700.00	6,916.89	5,354.03	4,933.98	256.88	98.33	18.04	453.43	4,061.73	5,332.10	5,213.11	118.98	44.814		
15,800.00	6,917.92	5,301.81	4,887.98	259.71	96.92	18.03	438.86	4,081.72	5,424.90	5,306.24	118.66	45.718		
15,900.00	6,918.95	5,277.60	4,866.72	262.54	96.27	18.03	431.95	4,090.99	5,517.69	5,399.23	118.47	46.576		
16,000.00	6,919.98	5,254.70	4,846.59	265.37	95.64	18.03	425.38	4,099.71	5,610.58	5,492.30	118.28	47.435		
16,100.00	6,921.01	5,232.09	4,826.70	268.21	95.03	18.03	418.86	4,108.26	5,703.56	5,585.47	118.10	48.295		
16,200.00	6,922.04	5,200.00	4,798.45	271.04	94.15	18.03	409.56	4,120.31	5,796.65	5,678.78	117.87	49.179		
16,300.00	6,923.08	5,187.15	4,787.13	273.88	93.82	18.03	405.83	4,125.11	5,889.80	5,772.05	117.75	50.020		
16,400.00	6,924.11	5,164.37	4,767.03	276.71	93.23	18.04	399.23	4,133.57	5,983.04	5,865.46	117.58	50.884		
16,500.00	6,925.14	5,141.85	4,747.14	279.55	92.64	18.04	392.75	4,141.90	6,076.37	5,958.95	117.42	51.751		
16,600.00	6,926.17	5,119.59	4,727.45	282.38	92.06	18.04	386.36	4,150.08	6,169.77	6,052.52	117.25	52.620		
16,700.00	6,927.20	5,100.00	4,710.09	285.22	91.55	18.03	380.76	4,157.24	6,263.25	6,146.15	117.10	53.486		
16,800.00	6,928.23	5,079.48	4,691.88	288.05	91.05	18.03	374.95	4,164.69	6,356.82	6,239.85	116.97	54.346		
16,900.00	6,929.26	5,061.28	4,675.69	290.89	90.61	18.03	369.84	4,171.26	6,450.48	6,333.64	116.85	55.204		
17,000.00	6,930.29	5,043.33	4,659.69	293.73	90.17	18.02	364.86	4,177.69	6,544.24	6,427.51	116.73	56.065		
17,100.00	6,931.32	5,025.63	4,643.88	296.56	89.74	18.02	360.00	4,183.99	6,638.08	6,521.48	116.60	56.928		
17,200.00	6,932.35	5,000.00	4,620.93	299.40	89.12	18.00	353.04	4,193.03	6,732.02	6,615.57	116.45	57.810		
17,300.00	6,933.39	5,000.00	4,620.93	302.24	89.12	18.00	353.04	4,193.03	6,826.04	6,709.63	116.40	58.641		
17,400.00	6,934.42	5,000.00	4,620.93	305.08	89.12	18.00	353.04	4,193.03	6,920.22	6,803.86	116.36	59.473		
17,500.00	6,935.45	5,000.00	4,620.93	307.92	89.12	18.00	353.04	4,193.03	7,014.57	6,898.25	116.32	60.306		
17,553.57	6,936.00	4,967.95	4,592.14	309.44	88.42	17.99	344.36	4,204.13	7,064.94	6,948.74	116.20	60.800		
17,553.96	6,936.00	4,967.91	4,592.11	309.45	88.42	17.99	344.35	4,204.14	7,065.31	6,949.11	116.20	60.803		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	97.77	-761.48	5,580.17	5,632.10					
100.00	100.00	1,413.73	1,396.87	3.28	9.51	97.49	-711.19	5,409.16	5,619.50	5,608.93	10.58	531.293		
200.00	200.00	1,927.19	1,890.91	3.34	14.87	97.69	-711.50	5,270.13	5,595.65	5,582.70	12.95	432.176		
300.00	300.00	2,244.17	2,189.40	3.44	19.71	97.91	-717.35	5,163.73	5,562.37	5,547.75	14.63	380.316		
400.00	399.98	2,300.00	2,241.76	3.60	20.66	102.62	-716.93	5,144.39	5,528.23	5,513.24	14.99	368.783		
500.00	499.84	2,343.66	2,282.86	3.81	21.33	103.33	-716.10	5,129.66	5,495.55	5,480.23	15.33	358.543		
600.00	599.45	2,953.25	2,847.88	4.06	33.27	104.86	-698.04	4,903.53	5,463.27	5,444.69	18.58	293.962		
700.00	698.70	700.00	2,937.10	4.34	23.76	105.87	-695.09	4,862.36	5,424.08	5,414.57	9.51	570.123		
775.00	772.83	3,134.40	3,012.07	4.57	37.82	106.65	-692.00	4,827.26	5,394.80	5,374.89	19.91	270.968		
800.00	797.48	3,143.24	3,020.08	4.65	38.04	106.67	-691.66	4,823.52	5,385.18	5,365.16	20.02	269.006		
900.00	896.11	3,200.00	3,071.71	4.97	39.46	106.81	-689.60	4,800.05	5,347.43	5,326.83	20.60	259.614		
1,000.00	994.74	3,200.00	3,071.71	5.31	39.46	106.81	-689.60	4,800.05	5,310.52	5,289.60	20.92	253.838		
1,100.00	1,093.37	3,248.99	3,116.59	5.68	40.53	106.92	-687.83	4,780.49	5,274.65	5,253.14	21.52	245.142		
1,200.00	1,192.00	3,300.00	3,163.64	6.06	41.64	107.03	-685.75	4,760.89	5,239.95	5,217.80	22.15	236.597		
1,300.00	1,290.63	3,325.91	3,187.63	6.45	42.14	107.09	-684.80	4,751.17	5,206.15	5,183.47	22.68	229.542		
1,400.00	1,389.26	3,372.42	3,230.81	6.86	43.05	107.21	-683.93	4,733.88	5,173.31	5,149.97	23.34	221.659		
1,500.00	1,487.88	3,400.00	3,256.45	7.27	43.58	107.28	-683.91	4,723.74	5,141.45	5,117.53	23.92	214.928		
1,600.00	1,586.51	3,435.91	3,289.98	7.69	44.18	107.38	-684.18	4,710.89	5,110.74	5,086.17	24.57	208.013		
1,700.00	1,685.14	3,461.73	3,314.22	8.11	44.61	107.46	-684.44	4,702.02	5,081.38	5,056.20	25.18	201.817		
1,800.00	1,783.77	3,500.00	3,350.37	8.54	45.24	107.56	-684.93	4,689.46	5,053.41	5,027.54	25.87	195.365		
1,900.00	1,882.40	3,500.00	3,350.37	8.97	45.24	107.56	-684.93	4,689.46	5,026.75	5,000.39	26.36	190.704		
2,000.00	1,981.03	3,535.52	3,384.17	9.41	45.66	107.66	-685.11	4,678.56	5,001.43	4,974.41	27.03	185.060		
2,100.00	2,079.66	3,559.12	3,406.78	9.84	45.94	107.72	-684.85	4,671.79	4,977.61	4,949.97	27.64	180.070		
2,200.00	2,178.28	3,600.00	3,446.19	10.29	46.42	107.81	-683.71	4,660.98	4,955.36	4,927.01	28.35	174.823		
2,300.00	2,276.91	4,200.00	4,015.19	10.73	54.98	109.27	-667.70	4,474.00	4,930.78	4,899.17	31.60	156.013		
2,400.00	2,375.54	4,244.56	4,056.62	11.18	55.78	109.39	-667.32	4,457.61	4,899.55	4,867.15	32.40	151.234		
2,500.00	2,474.17	4,300.00	4,108.60	11.62	56.77	109.55	-666.79	4,438.34	4,869.85	4,836.60	33.25	146.445		
2,600.00	2,572.80	4,336.74	4,143.17	12.07	57.38	109.65	-666.47	4,425.91	4,841.00	4,806.98	34.02	142.290		
2,700.00	2,671.43	4,550.47	4,343.01	12.52	61.16	110.30	-666.54	4,350.14	4,811.29	4,775.55	35.74	134.602		
2,800.00	2,770.05	4,783.72	4,558.59	12.97	65.94	111.06	-667.41	4,261.11	4,779.06	4,741.38	37.68	126.838		
2,900.00	2,868.68	4,850.82	4,620.32	13.43	67.38	111.27	-667.09	4,234.81	4,745.93	4,707.22	38.70	122.619		
3,000.00	2,967.31	4,914.44	4,679.06	13.88	68.72	111.47	-666.49	4,210.39	4,713.56	4,673.84	39.72	118.670		
3,100.00	3,065.94	5,022.49	4,778.89	14.34	70.96	111.82	-665.19	4,169.06	4,681.40	4,640.43	40.98	114.239		
3,200.00	3,164.57	3,200.00	4,923.58	14.79	29.75	112.35	-664.70	4,106.94	4,648.30	4,619.63	28.68	162.097		
3,300.00	3,263.20	5,285.43	5,020.03	15.25	76.87	112.72	-664.39	4,064.26	4,614.41	4,570.47	43.94	105.012		
3,400.00	3,361.83	5,300.00	5,033.36	15.71	77.21	112.77	-664.41	4,058.39	4,581.51	4,536.73	44.78	102.311		
3,500.00	3,460.45	5,338.37	5,068.68	16.17	77.96	112.91	-664.55	4,043.40	4,549.85	4,504.09	45.76	99.437		
3,600.00	3,559.08	5,360.18	5,088.93	16.62	78.38	112.99	-664.68	4,035.31	4,519.88	4,473.23	46.64	96.905		
3,700.00	3,657.71	5,400.00	5,126.23	17.08	79.16	113.13	-665.04	4,021.36	4,491.63	4,443.98	47.64	94.277		
3,800.00	3,756.34	5,400.00	5,126.23	17.54	79.16	113.13	-665.04	4,021.36	4,464.69	4,416.29	48.40	92.248		
3,900.00	3,854.97	5,441.71	5,165.61	18.00	79.76	113.27	-665.48	4,007.62	4,439.32	4,389.94	49.38	89.893		
4,000.00	3,953.60	5,500.00	5,221.01	18.46	80.60	113.47	-666.06	3,989.52	4,415.51	4,365.04	50.47	87.489		
4,100.00	4,052.23	5,518.53	5,238.70	18.92	80.82	113.53	-666.24	3,984.00	4,392.74	4,341.42	51.32	85.595		
4,200.00	4,150.85	5,572.75	5,290.55	19.39	81.48	113.72	-666.75	3,968.18	4,371.22	4,318.86	52.36	83.479		
4,300.00	4,249.48	5,653.90	5,368.34	19.85	82.43	113.99	-667.71	3,945.09	4,350.56	4,297.00	53.57	81.217		
4,400.00	4,348.11	5,768.54	5,478.04	20.31	83.80	114.40	-670.16	3,911.89	4,329.87	4,274.88	55.00	78.728		
4,500.00	4,446.74	5,841.61	5,547.95	20.77	84.66	114.66	-671.43	3,890.67	4,309.18	4,252.98	56.19	76.683		
4,600.00	4,545.37	5,900.00	5,603.98	21.23	85.34	114.87	-672.41	3,874.25	4,289.42	4,232.12	57.31	74.848		
4,700.00	4,644.00	5,943.32	5,645.68	21.70	85.77	115.02	-673.08	3,862.53	4,270.79	4,212.47	58.32	73.234		
4,800.00	4,742.63	6,000.00	5,700.46	22.16	86.34	115.21	-673.81	3,848.00	4,253.45	4,194.05	59.40	71.611		
4,900.00	4,841.25	6,000.00	5,700.46	22.62	86.34	115.21	-673.81	3,848.00	4,237.59	4,177.44	60.16	70.442		
5,000.00	4,939.88	6,062.87	5,761.57	23.09	86.82	115.42	-674.41	3,833.23	4,222.81	4,161.59	61.22	68.980		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	6,100.00	5,797.83	23.55	87.11	115.53	-674.65	3,825.30	4,209.74	4,147.60	62.14	67.742		
5,200.00	5,137.14	6,100.00	5,797.83	24.02	87.11	115.53	-674.65	3,825.30	4,198.58	4,135.71	62.86	66.789		
5,300.00	5,235.77	6,150.79	5,847.71	24.48	87.37	115.69	-674.93	3,815.74	4,188.61	4,124.82	63.79	65.660		
5,400.00	5,334.40	6,200.00	5,896.34	24.94	87.62	115.83	-675.21	3,808.18	4,180.95	4,116.24	64.70	64.617		
5,500.00	5,433.03	6,200.00	5,896.34	25.41	87.62	115.83	-675.21	3,808.18	4,174.57	4,109.20	65.37	63.861		
5,600.00	5,531.65	6,238.34	5,934.36	25.87	87.73	115.93	-675.39	3,803.31	4,170.08	4,103.91	66.17	63.021		
5,700.00	5,630.28	6,300.00	5,995.69	26.34	87.90	116.09	-675.52	3,796.96	4,167.42	4,100.36	67.05	62.150		
5,800.00	5,728.91	6,300.00	5,995.69	26.80	87.90	116.09	-675.52	3,796.96	4,165.87	4,098.21	67.66	61.574		
5,848.19	5,776.44	6,334.18	6,029.75	27.03	87.97	116.18	-675.53	3,794.11	4,165.69	4,097.61	68.08	61.189		
5,900.00	5,827.54	6,358.79	6,054.29	27.27	88.02	116.24	-675.53	3,792.26	4,165.86	4,097.38	68.48	60.834		
6,000.00	5,926.17	6,400.00	6,095.42	27.73	88.10	116.34	-675.50	3,789.56	4,167.17	4,097.95	69.21	60.206		
6,100.00	6,024.80	6,458.94	6,154.28	28.20	88.19	116.47	-675.39	3,786.46	4,169.67	4,099.66	70.00	59.564		
6,200.00	6,123.43	6,518.11	6,213.40	28.66	88.28	116.60	-675.13	3,784.18	4,173.32	4,102.54	70.78	58.964		
6,272.77	6,195.20	6,580.45	6,275.71	29.00	88.37	116.73	-674.59	3,782.22	4,176.39	4,104.98	71.41	58.484		
6,300.00	6,222.05	6,600.00	6,295.25	29.13	88.40	102.21	-674.36	3,781.66	4,177.05	4,105.42	71.63	58.312		
6,350.00	6,271.23	6,633.96	6,329.19	29.36	88.44	79.71	-673.92	3,780.81	4,175.63	4,103.59	72.04	57.960		
6,400.00	6,319.99	6,664.86	6,360.08	29.58	88.49	65.02	-673.51	3,780.19	4,170.84	4,098.38	72.45	57.566		
6,450.00	6,368.01	6,700.00	6,395.22	29.79	88.53	56.07	-673.04	3,779.65	4,162.71	4,089.82	72.89	57.109		
6,500.00	6,415.02	6,728.51	6,423.72	29.99	88.57	50.54	-672.66	3,779.33	4,151.26	4,077.95	73.31	56.627		
6,550.00	6,460.71	6,761.42	6,456.63	30.18	88.62	47.11	-672.27	3,779.05	4,136.56	4,062.80	73.76	56.085		
6,600.00	6,504.81	6,793.23	6,488.43	30.36	88.66	45.04	-671.92	3,778.87	4,118.68	4,044.48	74.21	55.502		
6,650.00	6,547.04	6,826.74	6,521.94	30.53	88.70	43.96	-671.61	3,778.75	4,097.73	4,023.05	74.68	54.872		
6,700.00	6,587.14	6,859.34	6,554.55	30.69	88.75	43.64	-671.44	3,778.65	4,073.81	3,998.65	75.16	54.202		
6,750.00	6,624.87	6,889.98	6,585.19	30.83	88.79	43.96	-671.39	3,778.55	4,047.06	3,971.42	75.65	53.500		
6,800.00	6,660.00	6,937.09	6,632.30	30.96	88.85	45.04	-671.44	3,778.35	4,017.61	3,941.39	76.22	52.708		
6,850.00	6,692.30	6,989.10	6,684.30	31.07	88.92	46.83	-671.51	3,777.86	3,985.48	3,908.65	76.84	51.868		
6,900.00	6,721.58	7,022.34	6,717.54	31.23	88.97	49.11	-671.54	3,777.42	3,950.97	3,873.58	77.39	51.052		
6,950.00	6,747.66	7,048.22	6,743.41	31.56	89.01	52.01	-671.56	3,777.08	3,914.39	3,836.46	77.93	50.228		
7,000.00	6,770.37	7,070.66	6,765.85	31.92	89.04	55.65	-671.57	3,776.78	3,875.99	3,797.51	78.48	49.388		
7,050.00	6,789.58	7,089.53	6,784.72	32.33	89.06	60.11	-671.57	3,776.53	3,836.02	3,756.98	79.03	48.536		
7,100.00	6,805.17	7,104.71	6,799.90	32.78	89.08	65.44	-671.58	3,776.33	3,794.72	3,715.12	79.60	47.674		
7,150.00	6,817.03	7,112.25	6,807.44	33.27	89.10	71.58	-671.58	3,776.23	3,752.37	3,672.22	80.15	46.816		
7,200.00	6,825.11	7,118.03	6,813.22	33.80	89.10	78.61	-671.59	3,776.16	3,709.22	3,628.50	80.72	45.951		
7,250.00	6,829.35	7,120.84	6,816.03	34.37	89.11	86.36	-671.59	3,776.13	3,665.54	3,584.23	81.30	45.086		
7,273.12	6,830.00	7,121.14	6,816.33	34.65	89.11	90.11	-671.59	3,776.12	3,645.23	3,563.65	81.57	44.687		
7,300.00	6,830.28	7,121.10	6,816.29	34.98	89.11	90.11	-671.59	3,776.12	3,621.62	3,539.73	81.89	44.224		
7,400.00	6,831.31	7,120.97	6,816.16	36.32	89.11	90.10	-671.59	3,776.13	3,534.19	3,451.03	83.16	42.497		
7,500.00	6,832.34	7,120.84	6,816.03	37.83	89.11	90.10	-671.59	3,776.13	3,447.45	3,362.88	84.57	40.763		
7,600.00	6,833.37	7,120.71	6,815.90	39.49	89.11	90.09	-671.59	3,776.13	3,361.44	3,275.31	86.13	39.028		
7,700.00	6,834.40	7,120.58	6,815.77	41.27	89.11	90.09	-671.59	3,776.13	3,276.23	3,188.39	87.84	37.297		
7,800.00	6,835.44	7,120.44	6,815.63	43.17	89.11	90.09	-671.59	3,776.13	3,191.88	3,102.15	89.72	35.575		
7,900.00	6,836.47	7,120.31	6,815.50	45.17	89.11	90.08	-671.59	3,776.13	3,108.45	3,016.67	91.78	33.868		
8,000.00	6,837.50	7,120.17	6,815.36	47.26	89.11	90.08	-671.59	3,776.14	3,026.03	2,932.00	94.03	32.183		
8,100.00	6,838.53	7,120.03	6,815.22	49.43	89.11	90.07	-671.59	3,776.14	2,944.70	2,848.23	96.47	30.524		
8,200.00	6,839.56	7,119.90	6,815.09	51.66	89.11	90.07	-671.59	3,776.14	2,864.55	2,765.43	99.12	28.900		
8,300.00	6,840.59	7,119.76	6,814.95	53.95	89.11	90.06	-671.59	3,776.14	2,785.68	2,683.70	101.99	27.314		
8,400.00	6,841.62	7,119.61	6,814.80	56.29	89.11	90.06	-671.59	3,776.14	2,708.21	2,603.14	105.08	25.774		
8,500.00	6,842.65	7,119.47	6,814.66	58.67	89.11	90.05	-671.59	3,776.14	2,632.26	2,523.87	108.40	24.284		
8,600.00	6,843.68	7,119.32	6,814.51	61.10	89.11	90.05	-671.59	3,776.15	2,557.97	2,446.02	111.95	22.849		
8,700.00	6,844.71	7,119.18	6,814.37	63.56	89.11	90.04	-671.59	3,776.15	2,485.48	2,369.73	115.75	21.474		
8,800.00	6,845.75	7,119.03	6,814.22	66.05	89.11	90.04	-671.59	3,776.15	2,414.95	2,295.17	119.78	20.162		
8,900.00	6,846.78	7,118.88	6,814.07	68.58	89.10	90.03	-671.59	3,776.15	2,346.57	2,222.52	124.05	18.917		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,847.81	7,118.73	6,813.92	71.12	89.10	90.03	-671.59	3,776.15	2,280.52	2,151.97	128.55	17.740		
9,100.00	6,848.84	7,118.58	6,813.77	73.69	89.10	90.02	-671.59	3,776.16	2,217.02	2,083.74	133.27	16.635		
9,200.00	6,849.87	7,118.42	6,813.61	76.28	89.10	90.02	-671.59	3,776.16	2,156.28	2,018.08	138.20	15.603		
9,300.00	6,850.90	7,118.27	6,813.46	78.89	89.10	90.01	-671.59	3,776.16	2,098.56	1,955.25	143.31	14.644		
9,400.00	6,851.93	7,118.11	6,813.30	81.51	89.10	90.01	-671.59	3,776.16	2,044.10	1,895.53	148.57	13.759		
9,500.00	6,852.96	7,117.95	6,813.14	84.15	89.10	90.00	-671.59	3,776.16	1,993.17	1,839.23	153.94	12.948		
9,600.00	6,853.99	7,117.79	6,812.98	86.80	89.10	90.00	-671.59	3,776.16	1,946.05	1,786.67	159.38	12.210		
9,700.00	6,855.03	7,117.63	6,812.82	89.46	89.10	89.99	-671.59	3,776.17	1,903.02	1,738.19	164.83	11.545		
9,800.00	6,856.06	7,117.46	6,812.65	92.14	89.10	89.99	-671.59	3,776.17	1,864.37	1,694.15	170.23	10.952		
9,900.00	6,857.09	7,117.30	6,812.49	94.83	89.10	89.98	-671.59	3,776.17	1,830.38	1,654.88	175.50	10.430		
10,000.00	6,858.12	7,117.13	6,812.32	97.52	89.10	89.98	-671.59	3,776.17	1,801.30	1,620.74	180.56	9.976		
10,100.00	6,859.15	7,116.96	6,812.15	100.23	89.10	89.97	-671.59	3,776.17	1,777.38	1,592.04	185.34	9.590		
10,200.00	6,860.18	7,116.79	6,811.98	102.94	89.10	89.96	-671.58	3,776.18	1,758.82	1,569.07	189.75	9.269		
10,300.00	6,861.21	7,116.62	6,811.81	105.66	89.10	89.96	-671.58	3,776.18	1,745.81	1,552.09	193.72	9.012		
10,400.00	6,862.24	7,116.44	6,811.63	108.39	89.10	89.95	-671.58	3,776.18	1,738.46	1,541.27	197.19	8.816		
10,478.05	6,863.05	7,116.30	6,811.49	110.52	89.10	89.95	-671.58	3,776.18	1,736.70	1,537.19	199.51	8.705 CC		
10,500.00	6,863.27	7,116.26	6,811.45	111.12	89.10	89.95	-671.58	3,776.18	1,736.84	1,536.74	200.10	8.680 ES		
10,600.00	6,864.30	7,116.08	6,811.27	113.86	89.10	89.94	-671.58	3,776.19	1,740.98	1,538.56	202.43	8.601		
10,700.00	6,865.34	7,115.90	6,811.09	116.60	89.10	89.94	-671.58	3,776.19	1,750.83	1,546.69	204.14	8.577 SF		
10,800.00	6,866.37	7,115.72	6,810.91	119.35	89.10	89.93	-671.58	3,776.19	1,766.29	1,561.04	205.25	8.606		
10,900.00	6,867.40	7,115.53	6,810.72	122.11	89.10	89.92	-671.58	3,776.19	1,787.23	1,581.45	205.78	8.685		
11,000.00	6,868.43	7,115.35	6,810.54	124.87	89.10	89.92	-671.58	3,776.19	1,813.44	1,607.69	205.75	8.814		
11,100.00	6,869.46	7,115.16	6,810.35	127.63	89.10	89.91	-671.58	3,776.20	1,844.71	1,639.48	205.23	8.989		
11,200.00	6,870.49	7,114.96	6,810.15	130.40	89.10	89.90	-671.58	3,776.20	1,880.78	1,676.53	204.25	9.208		
11,300.00	6,871.52	7,114.77	6,809.96	133.17	89.10	89.90	-671.58	3,776.20	1,921.39	1,718.50	202.89	9.470		
11,400.00	6,872.55	7,114.57	6,809.76	135.94	89.10	89.89	-671.58	3,776.20	1,966.25	1,765.05	201.20	9.773		
11,500.00	6,873.58	7,114.37	6,809.56	138.72	89.10	89.89	-671.58	3,776.21	2,015.07	1,815.83	199.24	10.114		
11,600.00	6,874.62	7,114.17	6,809.36	141.50	89.10	89.88	-671.58	3,776.21	2,067.59	1,870.52	197.07	10.492		
11,700.00	6,875.65	7,113.97	6,809.16	144.28	89.10	89.87	-671.58	3,776.21	2,123.51	1,928.78	194.73	10.905		
11,800.00	6,876.68	7,113.76	6,808.95	147.07	89.10	89.86	-671.58	3,776.21	2,182.59	1,990.30	192.28	11.351		
11,900.00	6,877.71	7,113.56	6,808.75	149.85	89.10	89.86	-671.58	3,776.22	2,244.57	2,054.81	189.76	11.829		
12,000.00	6,878.74	7,113.34	6,808.53	152.65	89.10	89.85	-671.58	3,776.22	2,309.21	2,122.03	187.19	12.337		
12,100.00	6,879.77	7,113.13	6,808.32	155.44	89.10	89.84	-671.58	3,776.22	2,376.31	2,191.71	184.60	12.873		
12,200.00	6,880.80	7,112.91	6,808.10	158.23	89.10	89.84	-671.58	3,776.22	2,445.66	2,263.64	182.02	13.436		
12,300.00	6,881.83	7,112.69	6,807.89	161.03	89.10	89.83	-671.58	3,776.23	2,517.07	2,337.60	179.47	14.025		
12,400.00	6,882.86	7,112.47	6,807.66	163.83	89.10	89.82	-671.58	3,776.23	2,590.37	2,413.42	176.95	14.639		
12,500.00	6,883.89	7,112.25	6,807.44	166.63	89.10	89.81	-671.58	3,776.23	2,665.41	2,490.91	174.50	15.275		
12,600.00	6,884.93	7,112.02	6,807.21	169.43	89.10	89.81	-671.58	3,776.24	2,742.04	2,569.95	172.10	15.933		
12,700.00	6,885.96	7,111.79	6,806.98	172.24	89.09	89.80	-671.58	3,776.24	2,820.14	2,650.37	169.77	16.612		
12,800.00	6,886.99	7,111.56	6,806.75	175.04	89.09	89.79	-671.58	3,776.24	2,899.58	2,732.08	167.51	17.310		
12,900.00	6,888.02	7,111.32	6,806.51	177.85	89.09	89.78	-671.58	3,776.24	2,980.26	2,814.94	165.32	18.027		
13,000.00	6,889.05	7,111.08	6,806.27	180.66	89.09	89.78	-671.58	3,776.25	3,062.08	2,898.87	163.21	18.762		
13,100.00	6,890.08	7,110.84	6,806.03	183.47	89.09	89.77	-671.58	3,776.25	3,144.95	2,983.78	161.18	19.512		
13,200.00	6,891.11	7,110.59	6,805.78	186.28	89.09	89.76	-671.58	3,776.25	3,228.80	3,069.58	159.22	20.279		
13,300.00	6,892.14	7,110.34	6,805.54	189.10	89.09	89.75	-671.58	3,776.26	3,313.53	3,156.20	157.33	21.060		
13,400.00	6,893.17	7,110.09	6,805.28	191.91	89.09	89.74	-671.58	3,776.26	3,399.10	3,243.58	155.52	21.856		
13,500.00	6,894.21	7,109.84	6,805.03	194.73	89.09	89.74	-671.58	3,776.26	3,485.44	3,331.65	153.78	22.664		
13,600.00	6,895.24	7,109.59	6,804.77	197.54	89.09	89.73	-671.58	3,776.27	3,572.49	3,420.37	152.11	23.486		
13,700.00	6,896.27	7,109.32	6,804.51	200.36	89.09	89.72	-671.58	3,776.27	3,660.20	3,509.69	150.51	24.318		
13,800.00	6,897.30	7,109.05	6,804.24	203.18	89.09	89.71	-671.58	3,776.27	3,748.53	3,599.55	148.97	25.162		
13,900.00	6,898.33	7,108.78	6,803.97	206.00	89.09	89.70	-671.58	3,776.28	3,837.43	3,689.93	147.50	26.017		
14,000.00	6,899.36	7,108.51	6,803.70	208.82	89.09	89.69	-671.58	3,776.28	3,926.86	3,780.78	146.08	26.882		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,900.39	7,108.23	6,803.42	211.64	89.09	89.68	-671.58	3,776.28	4,016.79	3,872.07	144.72	27.755		
14,200.00	6,901.42	7,107.95	6,803.14	214.46	89.09	89.67	-671.58	3,776.29	4,107.19	3,963.77	143.42	28.638		
14,300.00	6,902.45	7,107.66	6,802.85	217.28	89.09	89.66	-671.58	3,776.29	4,198.02	4,055.86	142.16	29.529		
14,400.00	6,903.48	7,107.37	6,802.56	220.11	89.09	89.65	-671.58	3,776.29	4,289.26	4,148.30	140.96	30.428		
14,500.00	6,904.52	7,107.08	6,802.27	222.93	89.09	89.64	-671.58	3,776.30	4,380.88	4,241.07	139.81	31.335		
14,600.00	6,905.55	7,106.78	6,801.97	225.76	89.09	89.63	-671.58	3,776.30	4,472.87	4,334.16	138.70	32.248		
14,700.00	6,906.58	7,106.48	6,801.67	228.58	89.09	89.62	-671.58	3,776.31	4,565.19	4,427.55	137.64	33.168		
14,800.00	6,907.61	7,106.17	6,801.36	231.41	89.09	89.61	-671.58	3,776.31	4,657.82	4,521.21	136.62	34.094		
14,900.00	6,908.64	7,105.86	6,801.05	234.24	89.09	89.60	-671.58	3,776.31	4,750.76	4,615.12	135.63	35.026		
15,000.00	6,909.67	7,105.54	6,800.73	237.06	89.09	89.59	-671.58	3,776.32	4,843.97	4,709.28	134.69	35.964		
15,100.00	6,910.70	7,105.22	6,800.41	239.89	89.09	89.58	-671.58	3,776.32	4,937.46	4,803.67	133.78	36.906		
15,200.00	6,911.73	7,104.90	6,800.09	242.72	89.09	89.57	-671.58	3,776.33	5,031.19	4,898.28	132.91	37.854		
15,300.00	6,912.76	7,104.57	6,799.76	245.55	89.08	89.56	-671.58	3,776.33	5,125.16	4,993.09	132.07	38.806		
15,400.00	6,913.80	7,104.23	6,799.42	248.38	89.08	89.55	-671.58	3,776.34	5,219.35	5,088.09	131.26	39.762		
15,500.00	6,914.83	7,103.89	6,799.08	251.21	89.08	89.54	-671.58	3,776.34	5,313.76	5,183.27	130.49	40.723		
15,600.00	6,915.86	7,103.54	6,798.74	254.04	89.08	89.53	-671.58	3,776.34	5,408.36	5,278.62	129.74	41.687		
15,700.00	6,916.89	7,103.19	6,798.38	256.88	89.08	89.52	-671.58	3,776.35	5,503.16	5,374.14	129.02	42.654		
15,800.00	6,917.92	7,102.84	6,798.03	259.71	89.08	89.50	-671.58	3,776.35	5,598.14	5,469.82	128.32	43.625		
15,900.00	6,918.95	7,102.47	6,797.66	262.54	89.08	89.49	-671.58	3,776.36	5,693.29	5,565.63	127.65	44.599		
16,000.00	6,919.98	7,102.10	6,797.30	265.37	89.08	89.48	-671.58	3,776.36	5,788.60	5,661.59	127.01	45.576		
16,100.00	6,921.01	7,101.73	6,796.92	268.21	89.08	89.47	-671.58	3,776.37	5,884.07	5,757.68	126.39	46.556		
16,200.00	6,922.04	7,101.35	6,796.54	271.04	89.08	89.46	-671.58	3,776.37	5,979.69	5,853.90	125.79	47.537		
16,300.00	6,923.08	4,910.04	4,675.00	273.88	68.63	38.98	-666.54	4,212.07	6,069.79	5,951.36	118.43	51.251		
16,400.00	6,924.11	4,779.82	4,555.00	276.71	65.86	37.47	-667.42	4,262.65	6,158.54	6,041.05	117.49	52.417		
16,500.00	6,925.14	4,749.76	4,527.36	279.55	65.21	37.13	-667.44	4,274.44	6,247.26	6,130.27	116.99	53.401		
16,600.00	6,926.17	4,720.01	4,499.97	282.38	64.57	36.81	-667.39	4,286.06	6,336.13	6,219.63	116.50	54.388		
16,700.00	6,927.20	4,700.00	4,481.53	285.22	64.13	36.59	-667.32	4,293.85	6,425.16	6,309.10	116.06	55.360		
16,800.00	6,928.23	4,676.28	4,459.66	288.05	63.65	36.33	-667.21	4,303.01	6,514.38	6,398.75	115.63	56.337		
16,900.00	6,929.26	4,658.67	4,443.38	290.89	63.29	36.14	-667.12	4,309.75	6,603.82	6,488.58	115.24	57.307		
17,000.00	6,930.29	4,641.33	4,427.34	293.73	62.94	35.95	-667.03	4,316.34	6,693.45	6,578.60	114.85	58.279		
17,100.00	6,931.32	4,624.26	4,411.53	296.56	62.59	35.77	-666.94	4,322.78	6,783.29	6,668.81	114.48	59.253		
17,200.00	6,932.35	4,600.00	4,389.03	299.40	62.10	35.52	-666.81	4,331.84	6,873.32	6,759.22	114.10	60.242		
17,300.00	6,933.39	4,600.00	4,389.03	302.24	62.10	35.52	-666.81	4,331.84	6,963.53	6,849.73	113.80	61.192		
17,400.00	6,934.42	4,566.33	4,357.76	305.08	61.46	35.17	-666.62	4,344.30	7,053.87	6,940.46	113.41	62.196		
17,500.00	6,935.45	4,544.93	4,337.85	307.92	61.06	34.95	-666.51	4,352.17	7,144.38	7,031.31	113.07	63.183		
17,553.57	6,936.00	4,533.55	4,327.27	309.44	60.84	34.83	-666.45	4,356.34	7,192.93	7,080.03	112.90	63.712		
17,553.96	6,936.00	4,533.47	4,327.19	309.45	60.84	34.83	-666.45	4,356.37	7,193.28	7,080.38	112.90	63.716		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	97.44	-730.14	5,592.13	5,639.82					
100.00	100.00	40.50	40.50	3.28	3.28	97.44	-730.03	5,592.18	5,639.64	5,633.07	6.57	858.919		
200.00	200.00	614.13	611.83	3.34	4.52	97.06	-690.24	5,576.67	5,638.17	5,630.37	7.80	722.672		
300.00	300.00	728.45	724.57	3.44	5.08	96.89	-672.80	5,569.32	5,629.85	5,621.44	8.41	669.208		
400.00	399.98	1,320.05	1,294.93	3.60	9.58	99.82	-531.83	5,509.44	5,615.42	5,602.75	12.66	443.470		
500.00	499.84	1,436.93	1,404.92	3.81	10.74	99.84	-495.49	5,493.85	5,599.32	5,585.44	13.88	403.400		
600.00	599.45	1,532.91	1,495.40	4.06	11.65	99.95	-466.30	5,480.72	5,583.66	5,568.74	14.92	374.262		
700.00	698.70	1,611.11	1,569.36	4.34	12.37	100.11	-443.22	5,470.14	5,568.93	5,553.11	15.82	352.067		
775.00	772.83	1,679.75	1,634.45	4.57	12.97	100.23	-423.45	5,460.92	5,558.46	5,541.89	16.57	335.435		
800.00	797.48	1,702.70	1,656.24	4.65	13.17	100.20	-416.92	5,457.85	5,555.04	5,538.21	16.83	330.140		
900.00	896.11	1,763.76	1,714.30	4.97	13.67	100.14	-399.83	5,449.84	5,541.74	5,524.14	17.60	314.866		
1,000.00	994.74	1,827.11	1,774.72	5.31	14.18	100.07	-382.49	5,441.90	5,529.11	5,510.70	18.41	300.392		
1,100.00	1,093.37	1,900.00	1,844.38	5.68	14.74	100.00	-362.91	5,433.18	5,517.11	5,497.82	19.28	286.086		
1,200.00	1,192.00	2,005.64	1,945.56	6.06	15.53	99.90	-335.23	5,420.65	5,505.33	5,484.95	20.38	270.117		
1,300.00	1,290.63	2,128.39	2,063.18	6.45	16.43	99.79	-303.50	5,405.64	5,493.25	5,471.65	21.60	254.350		
1,400.00	1,389.26	2,230.83	2,161.19	6.86	17.19	99.69	-276.72	5,392.58	5,480.61	5,457.92	22.70	241.489		
1,500.00	1,487.88	2,300.00	2,227.49	7.27	17.70	99.63	-258.84	5,384.25	5,468.66	5,445.08	23.58	231.968		
1,600.00	1,586.51	2,355.41	2,280.66	7.69	18.09	99.58	-244.58	5,377.94	5,457.34	5,432.98	24.36	224.013		
1,700.00	1,685.14	2,484.49	2,404.31	8.11	19.02	99.46	-210.49	5,363.44	5,446.29	5,420.64	25.65	212.322		
1,800.00	1,783.77	2,634.43	2,547.35	8.54	20.17	99.29	-169.34	5,345.31	5,434.22	5,407.08	27.14	200.227		
1,900.00	1,882.40	1,900.00	2,695.23	8.97	13.73	99.08	-122.96	5,325.01	5,420.94	5,399.26	21.67	250.118		
2,000.00	1,981.03	2,871.88	2,771.69	9.41	22.21	98.97	-98.09	5,314.15	5,407.34	5,377.45	29.89	180.925		
2,100.00	2,079.66	2,959.48	2,854.59	9.84	22.95	98.85	-72.12	5,302.96	5,394.41	5,363.40	31.02	173.918		
2,200.00	2,178.28	3,095.68	2,983.67	10.29	24.09	98.67	-32.54	5,284.97	5,381.19	5,348.68	32.51	165.543		
2,300.00	2,276.91	3,144.71	3,030.06	10.73	24.48	98.61	-18.06	5,278.52	5,368.01	5,334.67	33.34	161.029		
2,400.00	2,375.54	3,200.00	3,082.80	11.18	24.92	98.55	-2.90	5,271.74	5,355.83	5,321.62	34.21	156.563		
2,500.00	2,474.17	3,268.84	3,148.74	11.62	25.41	98.48	15.13	5,263.68	5,344.37	5,309.24	35.13	152.142		
2,600.00	2,572.80	3,408.96	3,283.01	12.07	26.40	98.34	51.57	5,247.04	5,332.89	5,296.38	36.50	146.095		
2,700.00	2,671.43	3,456.29	3,328.46	12.52	26.72	98.30	63.53	5,241.43	5,321.39	5,284.12	37.27	142.771		
2,800.00	2,770.05	3,543.81	3,412.88	12.97	27.30	98.23	84.46	5,231.62	5,310.69	5,272.42	38.27	138.766		
2,900.00	2,868.68	3,643.64	3,509.32	13.43	27.93	98.17	107.41	5,219.85	5,299.54	5,260.22	39.32	134.788		
3,000.00	2,967.31	3,703.33	3,567.05	13.88	28.30	98.13	121.05	5,213.24	5,289.09	5,248.95	40.14	131.774		
3,100.00	3,065.94	4,022.46	3,871.31	14.34	30.75	97.77	207.83	5,172.81	5,276.23	5,233.43	42.80	123.283		
3,200.00	3,164.57	4,100.00	3,943.96	14.79	31.47	97.64	232.64	5,161.92	5,262.13	5,218.18	43.95	119.729		
3,300.00	3,263.20	4,164.40	4,004.46	15.25	32.05	97.54	252.93	5,153.18	5,248.59	5,203.62	44.97	116.711		
3,400.00	3,361.83	4,200.00	4,038.09	15.71	32.36	97.48	263.66	5,148.56	5,235.97	5,190.20	45.76	114.414		
3,500.00	3,460.45	4,267.29	4,101.93	16.17	32.88	97.39	283.27	5,140.37	5,224.15	5,177.40	46.74	111.761		
3,600.00	3,559.08	4,353.63	4,184.09	16.62	33.55	97.28	307.99	5,130.70	5,213.23	5,165.37	47.86	108.934		
3,700.00	3,657.71	4,527.98	4,349.07	17.08	34.95	97.02	360.35	5,109.82	5,201.48	5,151.84	49.64	104.789		
3,800.00	3,756.34	4,649.85	4,464.01	17.54	36.00	96.83	397.68	5,094.10	5,188.80	5,137.71	51.09	101.555		
3,900.00	3,854.97	4,820.34	4,623.78	18.00	37.56	96.53	452.50	5,071.05	5,175.57	5,122.57	53.00	97.653		
4,000.00	3,953.60	4,910.31	4,708.58	18.46	38.36	96.39	479.71	5,058.19	5,161.62	5,107.40	54.22	95.191		
4,100.00	4,052.23	4,963.10	4,758.46	18.92	38.81	96.32	495.34	5,050.88	5,148.15	5,093.01	55.15	93.352		
4,200.00	4,150.85	5,023.24	4,815.41	19.39	39.31	96.23	512.97	5,042.98	5,135.48	5,079.36	56.12	91.510		
4,300.00	4,249.48	5,088.38	4,877.19	19.85	39.83	96.14	531.98	5,034.85	5,123.51	5,066.40	57.11	89.709		
4,400.00	4,348.11	5,154.76	4,940.34	20.31	40.33	96.05	550.82	5,026.96	5,112.20	5,054.13	58.08	88.022		
4,500.00	4,446.74	5,200.00	4,983.64	20.77	40.66	96.00	562.84	5,021.77	5,101.61	5,042.71	58.90	86.621		
4,600.00	4,545.37	5,251.80	5,033.58	21.23	40.96	95.95	575.45	5,016.29	5,091.99	5,032.31	59.68	85.320		
4,700.00	4,644.00	5,300.00	5,080.45	21.70	41.24	95.92	585.79	5,011.85	5,083.61	5,023.17	60.44	84.110		
4,800.00	4,742.63	5,333.96	5,113.67	22.16	41.39	95.91	592.28	5,009.08	5,076.35	5,015.28	61.07	83.128		
4,900.00	4,841.25	5,400.00	5,178.66	22.62	41.67	95.92	603.01	5,004.45	5,070.32	5,008.50	61.82	82.023		
5,000.00	4,939.88	5,426.80	5,205.15	23.09	41.76	95.93	606.72	5,002.83	5,065.15	5,002.78	62.37	81.210		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,038.51	5,480.89	5,258.76	23.55	41.95	95.95	613.31	4,999.90	5,061.01	4,998.01	63.01	80.321		
5,200.00	5,137.14	5,545.68	5,323.14	24.02	42.14	96.00	619.88	4,996.90	5,057.72	4,994.06	63.66	79.446		
5,300.00	5,235.77	5,614.81	5,391.94	24.48	42.35	96.06	626.05	4,994.06	5,055.03	4,990.72	64.31	78.599		
5,400.00	5,334.40	5,679.03	5,455.93	24.94	42.52	96.13	630.99	4,991.83	5,053.02	4,988.08	64.94	77.813		
5,500.00	5,433.03	5,741.47	5,518.21	25.41	42.69	96.20	635.07	4,990.07	5,051.73	4,986.19	65.55	77.071		
5,600.00	5,531.65	5,803.81	5,580.43	25.87	42.85	96.27	638.64	4,988.77	5,051.21	4,985.06	66.15	76.365		
5,634.25	5,565.43	5,830.44	5,607.03	26.03	42.92	96.31	639.96	4,988.32	5,051.18	4,984.82	66.36	76.113		
5,700.00	5,630.28	5,881.47	5,658.01	26.34	43.04	96.38	642.07	4,987.55	5,051.28	4,984.50	66.78	75.638		
5,800.00	5,728.91	5,969.94	5,746.44	26.80	43.26	96.52	644.41	4,986.40	5,051.73	4,984.28	67.44	74.903		
5,900.00	5,827.54	6,063.37	5,839.86	27.27	43.49	96.68	645.56	4,985.26	5,052.35	4,984.24	68.12	74.172		
6,000.00	5,926.17	6,169.66	5,946.14	27.73	43.75	96.87	646.55	4,983.96	5,053.05	4,984.22	68.83	73.413		
6,100.00	6,024.80	6,281.87	6,058.33	28.20	44.03	97.06	647.58	4,982.30	5,053.53	4,983.97	69.56	72.645		
6,200.00	6,123.43	6,394.97	6,171.40	28.66	44.32	97.27	648.53	4,980.32	5,053.80	4,983.49	70.31	71.883		
6,272.77	6,195.20	6,476.54	6,252.95	29.00	44.53	97.41	649.35	4,978.70	5,053.85	4,983.01	70.85	71.335		
6,300.00	6,222.05	6,507.05	6,283.46	29.13	44.61	97.41	649.78	4,978.07	5,053.26	4,982.21	71.05	71.124		
6,350.00	6,271.23	6,545.91	6,322.30	29.36	44.71	97.41	650.42	4,977.30	5,049.21	4,977.85	71.37	70.751		
6,400.00	6,319.99	6,586.30	6,362.68	29.58	44.82	97.41	651.17	4,976.57	5,041.36	4,969.68	71.68	70.332		
6,450.00	6,368.01	6,633.37	6,409.73	29.79	44.94	97.41	652.18	4,975.78	5,029.74	4,957.74	72.01	69.851		
6,500.00	6,415.02	6,683.12	6,459.46	29.99	45.07	97.41	653.38	4,974.93	5,014.34	4,942.01	72.33	69.323		
6,550.00	6,460.71	6,727.01	6,503.33	30.18	45.19	97.41	654.53	4,974.18	4,995.27	4,922.64	72.63	68.775		
6,600.00	6,504.81	6,767.04	6,543.34	30.36	45.30	97.41	655.59	4,973.52	4,972.69	4,899.78	72.91	68.204		
6,650.00	6,547.04	6,805.90	6,582.18	30.53	45.40	97.41	656.63	4,972.91	4,946.73	4,873.56	73.17	67.606		
6,700.00	6,587.14	6,845.93	6,622.19	30.69	45.51	97.41	657.69	4,972.30	4,917.53	4,844.11	73.42	66.974		
6,750.00	6,624.87	6,883.51	6,659.75	30.83	45.61	97.41	658.70	4,971.72	4,885.27	4,811.61	73.66	66.322		
6,800.00	6,660.00	6,928.41	6,704.63	30.96	45.74	97.41	659.94	4,971.00	4,850.11	4,776.20	73.91	65.624		
6,850.00	6,692.30	6,977.53	6,753.72	31.07	45.87	97.41	661.47	4,970.06	4,812.20	4,738.04	74.16	64.892		
6,900.00	6,721.58	7,021.96	6,798.11	31.23	46.00	97.41	663.00	4,969.08	4,771.78	4,697.40	74.38	64.153		
6,950.00	6,747.66	7,061.36	6,837.47	31.56	46.11	97.41	664.51	4,968.09	4,729.13	4,654.55	74.58	63.413		
7,000.00	6,770.37	7,095.08	6,871.14	31.92	46.20	97.41	665.90	4,967.15	4,684.54	4,609.80	74.74	62.676		
7,050.00	6,789.58	7,116.62	6,892.65	32.33	46.27	97.41	666.85	4,966.53	4,638.33	4,563.47	74.86	61.959		
7,100.00	6,805.17	7,132.64	6,908.65	32.78	46.31	97.41	667.59	4,966.05	4,590.80	4,515.85	74.95	61.250		
7,150.00	6,817.03	7,144.41	6,920.41	33.27	46.35	97.41	668.16	4,965.70	4,542.26	4,467.24	75.02	60.547		
7,200.00	6,825.11	7,151.88	6,927.86	33.80	46.37	97.41	668.52	4,965.48	4,493.01	4,417.94	75.07	59.853		
7,250.00	6,829.35	7,154.99	6,930.97	34.37	46.38	97.41	668.68	4,965.39	4,443.35	4,368.25	75.09	59.170		
7,273.12	6,830.00	7,154.96	6,930.93	34.65	46.38	97.41	668.68	4,965.39	4,420.33	4,345.23	75.10	58.859		
7,300.00	6,830.28	7,154.37	6,930.35	34.98	46.38	97.41	668.65	4,965.41	4,393.57	4,318.47	75.11	58.499		
7,400.00	6,831.31	7,152.21	6,928.19	36.32	46.37	97.41	668.54	4,965.47	4,294.03	4,218.90	75.13	57.157		
7,500.00	6,832.34	7,150.05	6,926.04	37.83	46.36	97.41	668.43	4,965.54	4,194.50	4,119.35	75.15	55.813		
7,600.00	6,833.37	7,147.90	6,923.89	39.49	46.36	97.41	668.33	4,965.60	4,095.00	4,019.82	75.18	54.467		
7,700.00	6,834.40	7,145.76	6,921.75	41.27	46.35	97.41	668.22	4,965.66	3,995.53	3,920.31	75.22	53.117		
7,800.00	6,835.44	7,143.62	6,919.61	43.17	46.34	97.41	668.12	4,965.73	3,896.08	3,820.81	75.26	51.765		
7,900.00	6,836.47	7,141.48	6,917.48	45.17	46.34	97.41	668.02	4,965.79	3,796.65	3,721.34	75.32	50.410		
8,000.00	6,837.50	7,139.36	6,915.36	47.26	46.33	97.41	667.91	4,965.85	3,697.26	3,621.89	75.38	49.051		
8,100.00	6,838.53	7,137.24	6,913.24	49.43	46.33	97.41	667.81	4,965.92	3,597.90	3,522.46	75.44	47.690		
8,200.00	6,839.56	7,135.12	6,911.13	51.66	46.32	97.41	667.71	4,965.98	3,498.58	3,423.05	75.52	46.325		
8,300.00	6,840.59	7,133.01	6,909.03	53.95	46.31	97.41	667.61	4,966.04	3,399.29	3,323.68	75.61	44.957		
8,400.00	6,841.62	7,130.91	6,906.93	56.29	46.31	97.41	667.51	4,966.10	3,300.05	3,224.33	75.72	43.585		
8,500.00	6,842.65	7,128.82	6,904.83	58.67	46.30	97.41	667.41	4,966.17	3,200.85	3,125.01	75.83	42.210		
8,600.00	6,843.68	7,126.73	6,902.75	61.10	46.29	97.41	667.32	4,966.23	3,101.70	3,025.73	75.96	40.831		
8,700.00	6,844.71	7,124.64	6,900.67	63.56	46.29	97.41	667.22	4,966.29	3,002.60	2,926.49	76.12	39.448		
8,800.00	6,845.75	7,122.56	6,898.59	66.05	46.28	97.41	667.12	4,966.35	2,903.57	2,827.28	76.29	38.060		
8,900.00	6,846.78	7,120.49	6,896.52	68.58	46.28	97.41	667.03	4,966.41	2,804.60	2,728.12	76.48	36.669		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,847.81	7,118.43	6,894.46	71.12	46.27	99.72	666.93	4,966.47	2,705.71	2,629.01	76.71	35.273		
9,100.00	6,848.84	7,119.11	6,895.14	73.69	46.27	99.82	666.96	4,966.44	2,606.90	2,529.93	76.97	33.869		
9,200.00	6,849.87	7,116.59	6,892.62	76.28	46.26	99.47	666.85	4,966.52	2,508.18	2,430.92	77.26	32.464		
9,300.00	6,850.90	7,114.11	6,890.15	78.89	46.26	99.12	666.74	4,966.59	2,409.58	2,331.98	77.59	31.054		
9,400.00	6,851.93	7,111.68	6,887.72	81.51	46.25	98.78	666.63	4,966.67	2,311.08	2,233.11	77.97	29.639		
9,500.00	6,852.96	7,109.28	6,885.33	84.15	46.24	98.45	666.52	4,966.74	2,212.73	2,134.31	78.41	28.219		
9,600.00	6,853.99	7,106.93	6,882.98	86.80	46.24	98.12	666.42	4,966.81	2,114.52	2,035.60	78.92	26.794		
9,700.00	6,855.03	7,104.62	6,880.67	89.46	46.23	97.80	666.32	4,966.88	2,016.49	1,936.98	79.50	25.363		
9,800.00	6,856.06	7,102.34	6,878.40	92.14	46.22	97.48	666.22	4,966.94	1,918.65	1,838.47	80.18	23.928		
9,900.00	6,857.09	7,100.10	6,876.16	94.83	46.22	97.17	666.12	4,967.01	1,821.06	1,740.08	80.97	22.489		
10,000.00	6,858.12	7,097.90	6,873.96	97.52	46.21	96.86	666.03	4,967.07	1,723.73	1,641.83	81.90	21.047		
10,100.00	6,859.15	7,095.73	6,871.80	100.23	46.20	96.55	665.93	4,967.14	1,626.73	1,543.74	82.98	19.603		
10,200.00	6,860.18	7,093.60	6,869.67	102.94	46.20	96.25	665.84	4,967.20	1,530.11	1,445.84	84.26	18.159		
10,300.00	6,861.21	7,091.50	6,867.58	105.66	46.19	95.96	665.75	4,967.26	1,433.95	1,348.17	85.78	16.717		
10,400.00	6,862.24	7,089.44	6,865.51	108.39	46.19	95.67	665.66	4,967.32	1,338.35	1,250.77	87.58	15.282		
10,500.00	6,863.27	7,087.41	6,863.48	111.12	46.18	95.38	665.58	4,967.37	1,243.44	1,153.70	89.73	13.857		
10,600.00	6,864.30	7,085.41	6,861.48	113.86	46.18	95.10	665.49	4,967.43	1,149.39	1,057.06	92.33	12.449		
10,700.00	6,865.34	7,083.44	6,859.52	116.60	46.17	94.82	665.41	4,967.49	1,056.43	960.96	95.47	11.066		
10,800.00	6,866.37	7,081.49	6,857.58	119.35	46.16	94.55	665.33	4,967.54	964.87	865.59	99.29	9.718		
10,900.00	6,867.40	7,079.58	6,855.67	122.11	46.16	94.28	665.25	4,967.59	875.17	771.20	103.97	8.418		
11,000.00	6,868.43	7,077.70	6,853.79	124.87	46.15	94.01	665.17	4,967.64	787.94	678.22	109.72	7.181		
11,100.00	6,869.46	7,075.85	6,851.94	127.63	46.15	93.75	665.10	4,967.70	704.11	587.30	116.81	6.028		
11,200.00	6,870.49	7,074.02	6,850.11	130.40	46.14	93.49	665.02	4,967.75	625.05	499.54	125.51	4.980		
11,300.00	6,871.52	7,072.22	6,848.32	133.17	46.14	93.24	664.95	4,967.79	552.81	416.78	136.02	4.064		
11,400.00	6,872.55	7,070.45	6,846.55	135.94	46.13	92.99	664.87	4,967.84	490.41	342.18	148.23	3.308		
11,500.00	6,873.58	7,068.70	6,844.80	138.72	46.13	92.74	664.80	4,967.89	442.04	280.81	161.22	2.742		
11,600.00	6,874.62	7,066.98	6,843.08	141.50	46.12	92.50	664.73	4,967.94	412.66	239.93	172.73	2.389		
11,675.57	6,875.39	7,065.69	6,841.80	143.60	46.12	92.32	664.68	4,967.97	405.68	227.35	178.34	2.275 CC		
11,700.00	6,875.65	7,065.28	6,841.38	144.28	46.12	92.26	664.66	4,967.98	406.42	227.10	179.32	2.266 ES, SF		
11,800.00	6,876.68	7,063.61	6,839.71	147.07	46.11	92.02	664.60	4,968.03	424.33	245.57	178.76	2.374		
11,900.00	6,877.71	7,061.96	6,838.06	149.85	46.11	91.79	664.53	4,968.07	463.61	291.42	172.19	2.692		
12,000.00	6,878.74	7,060.33	6,836.44	152.65	46.10	91.56	664.47	4,968.11	519.43	356.77	162.65	3.193		
12,100.00	6,879.77	7,058.72	6,834.83	155.44	46.10	91.33	664.40	4,968.16	587.08	434.43	152.65	3.846		
12,200.00	6,880.80	7,057.14	6,833.25	158.23	46.09	91.11	664.34	4,968.20	662.97	519.52	143.45	4.621		
12,300.00	6,881.83	7,055.58	6,831.69	161.03	46.09	90.89	664.28	4,968.24	744.57	609.10	135.47	5.496		
12,400.00	6,882.86	7,054.04	6,830.16	163.83	46.09	90.67	664.22	4,968.28	830.20	701.50	128.70	6.451		
12,500.00	6,883.89	7,052.52	6,828.64	166.63	46.08	90.46	664.16	4,968.32	918.74	795.72	123.01	7.469		
12,600.00	6,884.93	7,051.02	6,827.14	169.43	46.08	90.25	664.10	4,968.36	1,009.42	891.18	118.24	8.537		
12,700.00	6,885.96	7,049.55	6,825.67	172.24	46.07	90.04	664.04	4,968.39	1,101.71	987.50	114.21	9.647		
12,800.00	6,886.99	7,048.09	6,824.21	175.04	46.07	89.83	663.98	4,968.43	1,195.24	1,084.45	110.79	10.788		
12,900.00	6,888.02	7,046.65	6,822.77	177.85	46.07	89.63	663.93	4,968.47	1,289.74	1,181.86	107.88	11.956		
13,000.00	6,889.05	7,045.23	6,821.35	180.66	46.06	89.43	663.87	4,968.50	1,385.01	1,279.63	105.38	13.143		
13,100.00	6,890.08	7,043.82	6,819.95	183.47	46.06	89.23	663.82	4,968.54	1,480.90	1,377.68	103.22	14.347		
13,200.00	6,891.11	7,042.44	6,818.57	186.28	46.05	89.04	663.77	4,968.58	1,577.30	1,475.95	101.35	15.563		
13,300.00	6,892.14	7,041.07	6,817.20	189.10	46.05	88.84	663.72	4,968.61	1,674.12	1,574.41	99.71	16.790		
13,400.00	6,893.17	7,039.72	6,815.86	191.91	46.05	88.65	663.66	4,968.64	1,771.30	1,673.02	98.28	18.024		
13,500.00	6,894.21	7,038.39	6,814.53	194.73	46.04	88.47	663.61	4,968.68	1,868.77	1,771.76	97.01	19.263		
13,600.00	6,895.24	7,037.08	6,813.21	197.54	46.04	88.28	663.56	4,968.71	1,966.49	1,870.60	95.89	20.507		
13,700.00	6,896.27	7,035.78	6,811.91	200.36	46.03	88.10	663.51	4,968.74	2,064.44	1,969.54	94.90	21.754		
13,800.00	6,897.30	7,034.50	6,810.63	203.18	46.03	87.92	663.47	4,968.77	2,162.56	2,068.55	94.01	23.003		
13,900.00	6,898.33	7,033.23	6,809.37	206.00	46.03	87.74	663.42	4,968.80	2,260.86	2,167.64	93.22	24.253		
14,000.00	6,899.36	7,031.98	6,808.12	208.82	46.02	87.57	663.37	4,968.83	2,359.29	2,266.78	92.51	25.503		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,900.39	7,030.74	6,806.88	211.64	46.02	87.39	663.33	4,968.86	2,457.85	2,365.98	91.87	26.753		
14,200.00	6,901.42	7,029.52	6,805.66	214.46	46.02	87.22	663.28	4,968.89	2,556.52	2,465.23	91.30	28.003		
14,300.00	6,902.45	7,028.31	6,804.46	217.28	46.01	87.05	663.24	4,968.92	2,655.30	2,564.52	90.78	29.251		
14,400.00	6,903.48	7,027.12	6,803.27	220.11	46.01	86.89	663.19	4,968.95	2,754.15	2,663.85	90.30	30.498		
14,500.00	6,904.52	7,025.94	6,802.09	222.93	46.01	86.72	663.15	4,968.98	2,853.09	2,763.21	89.88	31.744		
14,600.00	6,905.55	7,024.78	6,800.93	225.76	46.00	86.56	663.11	4,969.01	2,952.10	2,862.61	89.49	32.987		
14,700.00	6,906.58	7,023.63	6,799.78	228.58	46.00	86.40	663.06	4,969.04	3,051.17	2,962.03	89.14	34.229		
14,800.00	6,907.61	7,022.49	6,798.64	231.41	46.00	86.24	663.02	4,969.06	3,150.30	3,061.48	88.82	35.468		
14,900.00	6,908.64	7,021.37	6,797.52	234.24	45.99	86.08	662.98	4,969.09	3,249.49	3,160.96	88.53	36.705		
15,000.00	6,909.67	7,020.26	6,796.41	237.06	45.99	85.93	662.94	4,969.12	3,348.72	3,260.45	88.27	37.939		
15,100.00	6,910.70	7,019.16	6,795.31	239.89	45.99	85.77	662.90	4,969.14	3,448.00	3,359.97	88.03	39.170		
15,200.00	6,911.73	7,018.08	6,794.23	242.72	45.98	85.62	662.86	4,969.17	3,547.31	3,459.50	87.81	40.399		
15,300.00	6,912.76	7,017.00	6,793.16	245.55	45.98	85.47	662.82	4,969.19	3,646.67	3,559.06	87.61	41.625		
15,400.00	6,913.80	7,015.94	6,792.10	248.38	45.98	85.32	662.78	4,969.22	3,746.05	3,658.62	87.43	42.847		
15,500.00	6,914.83	7,014.90	6,791.05	251.21	45.98	85.18	662.75	4,969.24	3,845.47	3,758.21	87.26	44.067		
15,600.00	6,915.86	7,013.86	6,790.02	254.04	45.97	85.03	662.71	4,969.27	3,944.92	3,857.80	87.12	45.284		
15,700.00	6,916.89	7,012.83	6,788.99	256.88	45.97	84.89	662.67	4,969.29	4,044.39	3,957.41	86.98	46.497		
15,800.00	6,917.92	7,011.82	6,787.98	259.71	45.97	84.75	662.64	4,969.31	4,143.89	4,057.03	86.86	47.708		
15,900.00	6,918.95	7,010.82	6,786.98	262.54	45.96	84.61	662.60	4,969.34	4,243.42	4,156.66	86.75	48.915		
16,000.00	6,919.98	7,009.82	6,785.98	265.37	45.96	84.47	662.57	4,969.36	4,342.96	4,256.31	86.65	50.119		
16,100.00	6,921.01	7,008.84	6,785.00	268.21	45.96	84.34	662.53	4,969.38	4,442.52	4,355.96	86.57	51.320		
16,200.00	6,922.04	7,007.87	6,784.03	271.04	45.96	84.20	662.50	4,969.40	4,542.11	4,455.62	86.49	52.517		
16,300.00	6,923.08	7,006.91	6,783.08	273.88	45.95	84.07	662.46	4,969.43	4,641.71	4,555.29	86.42	53.711		
16,400.00	6,924.11	7,005.96	6,782.13	276.71	45.95	83.94	662.43	4,969.45	4,741.33	4,654.97	86.36	54.902		
16,500.00	6,925.14	7,005.02	6,781.19	279.55	45.95	83.81	662.40	4,969.47	4,840.96	4,754.65	86.31	56.089		
16,600.00	6,926.17	7,004.09	6,780.26	282.38	45.94	83.68	662.36	4,969.49	4,940.61	4,854.34	86.26	57.273		
16,700.00	6,927.20	7,000.00	6,776.17	285.22	45.93	83.12	662.22	4,969.58	5,040.27	4,954.05	86.22	58.460		
16,800.00	6,928.23	7,000.00	6,776.17	288.05	45.93	83.12	662.22	4,969.58	5,139.94	5,053.75	86.19	59.635		
16,900.00	6,929.26	7,000.00	6,776.17	290.89	45.93	83.12	662.22	4,969.58	5,239.63	5,153.46	86.17	60.807		
17,000.00	6,930.29	7,000.00	6,776.17	293.73	45.93	83.12	662.22	4,969.58	5,339.33	5,253.18	86.15	61.975		
17,100.00	6,931.32	7,000.00	6,776.17	296.56	45.93	83.12	662.22	4,969.58	5,439.04	5,352.89	86.14	63.140		
17,200.00	6,932.35	7,000.00	6,776.17	299.40	45.93	83.12	662.22	4,969.58	5,538.76	5,452.62	86.14	64.301		
17,300.00	6,933.39	7,000.00	6,776.17	302.24	45.93	83.12	662.22	4,969.58	5,638.49	5,552.35	86.14	65.459		
17,400.00	6,934.42	7,000.00	6,776.17	305.08	45.93	83.12	662.22	4,969.58	5,738.23	5,652.08	86.14	66.613		
17,500.00	6,935.45	7,000.00	6,776.17	307.92	45.93	83.12	662.22	4,969.58	5,837.97	5,751.82	86.15	67.763		
17,553.57	6,936.00	7,000.00	6,776.17	309.44	45.93	83.12	662.22	4,969.58	5,891.41	5,805.25	86.16	68.378		
17,553.96	6,936.00	7,000.00	6,776.17	309.45	45.93	83.12	662.22	4,969.58	5,891.80	5,805.64	86.16	68.383		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	97.89	-771.68	5,568.48	5,621.91					
100.00	100.00	54.08	54.08	3.28	3.28	97.89	-771.66	5,568.46	5,621.67	5,615.11	6.57	856.069		
200.00	200.00	162.25	162.25	3.34	3.30	97.89	-771.51	5,568.32	5,621.53	5,614.89	6.64	847.086		
300.00	300.00	270.41	270.41	3.44	3.33	97.89	-771.21	5,568.04	5,621.24	5,614.46	6.78	829.315		
363.51	363.50	339.09	339.09	3.54	3.36	101.85	-770.94	5,567.80	5,621.12	5,614.22	6.90	814.278		
400.00	399.98	378.56	378.55	3.60	3.38	101.86	-770.76	5,567.63	5,621.16	5,614.17	6.99	804.570		
500.00	499.84	486.60	486.60	3.81	3.45	101.90	-770.16	5,567.08	5,621.66	5,614.40	7.25	774.936		
600.00	599.45	594.43	594.42	4.06	3.53	101.97	-769.42	5,566.39	5,622.74	5,615.16	7.58	742.268		
700.00	698.70	701.92	701.90	4.34	3.62	102.06	-768.53	5,565.57	5,624.41	5,616.47	7.94	708.088		
775.00	772.83	782.24	782.22	4.57	3.70	102.14	-767.76	5,564.87	5,626.07	5,617.83	8.25	682.183		
800.00	797.48	808.97	808.95	4.65	3.73	102.18	-767.49	5,564.62	5,626.68	5,618.33	8.35	673.585		
900.00	896.11	915.92	915.88	4.97	3.85	102.35	-766.31	5,563.53	5,629.06	5,620.25	8.80	639.599		
1,000.00	994.74	1,022.91	1,022.86	5.31	3.98	102.51	-764.98	5,562.31	5,631.33	5,622.05	9.28	606.842		
1,100.00	1,093.37	1,129.95	1,129.88	5.68	4.11	102.68	-763.51	5,560.96	5,633.49	5,623.71	9.78	575.732		
1,200.00	1,192.00	1,237.03	1,236.94	6.06	4.26	102.84	-761.88	5,559.46	5,635.55	5,625.24	10.31	546.475		
1,300.00	1,290.63	1,347.09	1,346.97	6.45	4.48	103.00	-760.07	5,557.78	5,637.50	5,626.57	10.93	515.904		
1,400.00	1,389.26	1,444.49	1,444.34	6.86	4.78	103.15	-758.50	5,556.11	5,639.32	5,627.69	11.63	484.855		
1,500.00	1,487.88	1,533.59	1,533.43	7.27	5.08	103.29	-757.42	5,554.71	5,641.37	5,629.03	12.33	457.444		
1,600.00	1,586.51	1,667.19	1,666.99	7.69	5.54	103.49	-755.95	5,552.42	5,643.38	5,630.18	13.21	427.249		
1,700.00	1,685.14	1,788.27	1,788.04	8.11	5.97	103.69	-755.42	5,549.34	5,644.69	5,630.62	14.06	401.355		
1,800.00	1,783.77	3,125.08	3,106.99	8.54	11.57	106.36	-771.32	5,367.68	5,640.17	5,620.52	19.65	287.049		
1,900.00	1,882.40	3,314.72	3,289.85	8.97	12.50	106.82	-775.61	5,317.67	5,618.48	5,597.61	20.87	269.233		
2,000.00	1,981.03	3,365.00	3,338.45	9.41	12.75	106.94	-776.07	5,304.84	5,597.65	5,576.10	21.54	259.831		
2,100.00	2,079.66	3,380.50	3,353.48	9.84	12.83	106.97	-776.23	5,301.06	5,577.74	5,555.66	22.09	252.553		
2,200.00	2,178.28	3,436.11	3,407.44	10.29	13.10	107.10	-777.25	5,287.64	5,558.86	5,536.07	22.79	243.902		
2,300.00	2,276.91	3,750.51	3,710.83	10.73	14.71	107.91	-786.84	5,205.87	5,538.32	5,513.77	24.54	225.666		
2,400.00	2,375.54	3,973.04	3,923.44	11.18	15.91	108.52	-795.60	5,140.78	5,514.96	5,489.03	25.94	212.624		
2,500.00	2,474.17	4,021.00	3,969.12	11.62	16.17	108.66	-797.32	5,126.28	5,491.00	5,464.36	26.64	206.098		
2,600.00	2,572.80	4,060.88	4,007.21	12.07	16.39	108.77	-798.78	5,114.57	5,468.04	5,440.73	27.32	200.165		
2,700.00	2,671.43	4,115.00	4,059.22	12.52	16.68	108.92	-800.97	5,099.76	5,446.63	5,418.58	28.05	194.158		
2,800.00	2,770.05	4,115.00	4,059.22	12.97	16.68	108.92	-800.97	5,099.76	5,426.04	5,397.47	28.57	189.917		
2,900.00	2,868.68	4,155.89	4,098.70	13.43	16.89	109.03	-802.65	5,089.26	5,406.86	5,377.61	29.25	184.833		
3,000.00	2,967.31	4,208.00	4,149.19	13.88	17.17	109.17	-804.66	5,076.53	5,388.79	5,358.81	29.98	179.736		
3,100.00	3,065.94	4,236.20	4,176.60	14.34	17.31	109.25	-805.69	5,069.93	5,371.75	5,341.14	30.61	175.480		
3,200.00	3,164.57	4,276.62	4,215.95	14.79	17.52	109.36	-807.18	5,060.84	5,355.83	5,324.54	31.29	171.161		
3,300.00	3,263.20	4,302.00	4,240.71	15.25	17.65	109.43	-808.10	5,055.34	5,341.07	5,309.16	31.91	167.393		
3,400.00	3,361.83	4,356.11	4,293.63	15.71	17.92	109.57	-810.00	5,044.22	5,327.32	5,294.68	32.64	163.217		
3,500.00	3,460.45	4,396.00	4,332.75	16.17	18.11	109.67	-811.29	5,036.55	5,314.76	5,281.44	33.31	159.546		
3,600.00	3,559.08	4,454.01	4,389.76	16.62	18.40	109.81	-813.01	5,025.96	5,303.16	5,269.10	34.06	155.717		
3,700.00	3,657.71	4,490.00	4,425.18	17.08	18.57	109.90	-813.98	5,019.63	5,292.43	5,257.73	34.71	152.488		
3,800.00	3,756.34	4,542.68	4,477.12	17.54	18.82	110.03	-815.28	5,010.93	5,282.71	5,247.28	35.42	149.127		
3,900.00	3,854.97	4,583.00	4,516.97	18.00	19.01	110.12	-816.19	5,004.85	5,274.21	5,238.13	36.09	146.153		
4,000.00	3,953.60	4,583.00	4,516.97	18.46	19.01	110.12	-816.19	5,004.85	5,267.21	5,230.64	36.57	144.033		
4,100.00	4,052.23	4,642.87	4,576.30	18.92	19.28	110.26	-817.38	4,996.98	5,261.02	5,223.71	37.30	141.029		
4,200.00	4,150.85	4,677.00	4,610.22	19.39	19.44	110.34	-817.98	4,993.20	5,256.40	5,218.48	37.92	138.602		
4,300.00	4,249.48	4,724.60	4,657.59	19.85	19.65	110.44	-818.59	4,988.53	5,252.94	5,214.35	38.60	136.102		
4,400.00	4,348.11	4,771.00	4,703.80	20.31	19.85	110.53	-818.86	4,984.42	5,250.40	5,211.14	39.26	133.739		
4,500.00	4,446.74	4,818.35	4,751.01	20.77	20.05	110.62	-818.76	4,980.82	5,248.89	5,208.97	39.92	131.491		
4,594.92	4,540.36	4,864.00	4,796.57	21.21	20.25	110.70	-818.23	4,978.05	5,248.50	5,207.95	40.54	129.452		
4,600.00	4,545.37	4,864.00	4,796.57	21.23	20.25	110.70	-818.23	4,978.05	5,248.50	5,207.93	40.57	129.380		
4,700.00	4,644.00	4,903.90	4,836.42	21.70	20.41	110.77	-817.63	4,976.10	5,249.20	5,208.02	41.18	127.467		
4,800.00	4,742.63	4,958.00	4,890.48	22.16	20.64	110.86	-816.95	4,974.07	5,251.02	5,209.16	41.86	125.455		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,841.25	5,002.46	4,934.92	22.62	20.82	110.93	-816.52	4,972.79	5,253.79	5,211.31	42.48	123.673		
5,000.00	4,939.88	5,064.69	4,997.13	23.09	21.07	111.04	-816.13	4,971.39	5,257.39	5,214.20	43.19	121.738		
5,100.00	5,038.51	5,065.90	4,998.34	23.55	21.08	111.04	-816.12	4,971.36	5,262.25	5,218.65	43.59	120.709		
5,200.00	5,137.14	5,065.90	4,998.34	24.02	21.08	111.04	-816.12	4,971.36	5,269.00	5,225.02	43.98	119.800		
5,300.00	5,235.77	5,065.90	4,998.34	24.48	21.08	111.04	-816.12	4,971.36	5,277.64	5,233.29	44.35	118.992		
5,400.00	5,334.40	5,065.90	4,998.34	24.94	21.08	111.04	-816.12	4,971.36	5,288.16	5,243.45	44.71	118.283		
5,500.00	5,433.03	5,065.90	4,998.34	25.41	21.08	111.04	-816.12	4,971.36	5,300.55	5,255.50	45.05	117.669		
5,600.00	5,531.65	5,065.90	4,998.34	25.87	21.08	111.04	-816.12	4,971.36	5,314.78	5,269.41	45.37	117.148		
5,700.00	5,630.28	5,065.90	4,998.34	26.34	21.08	111.04	-816.12	4,971.36	5,330.86	5,285.18	45.67	116.717		
5,800.00	5,728.91	5,065.90	4,998.34	26.80	21.08	111.04	-816.12	4,971.36	5,348.75	5,302.79	45.96	116.373		
5,900.00	5,827.54	5,065.90	4,998.34	27.27	21.08	111.04	-816.12	4,971.36	5,368.45	5,322.22	46.23	116.113		
6,000.00	5,926.17	5,065.90	4,998.34	27.73	21.08	111.04	-816.12	4,971.36	5,389.94	5,343.45	46.49	115.936		
6,100.00	6,024.80	5,065.90	4,998.34	28.20	21.08	111.04	-816.12	4,971.36	5,413.18	5,366.45	46.73	115.839		
6,200.00	6,123.43	5,065.90	4,998.34	28.66	21.08	111.04	-816.12	4,971.36	5,438.17	5,391.22	46.95	115.819		
6,272.77	6,195.20	5,065.90	4,998.34	29.00	21.08	111.04	-816.12	4,971.36	5,457.43	5,410.33	47.11	115.852		
6,300.00	6,222.05	5,065.90	4,998.34	29.13	21.08	96.31	-816.12	4,971.36	5,464.33	5,417.17	47.16	115.867		
6,350.00	6,271.23	5,065.90	4,998.34	29.36	21.08	73.41	-816.12	4,971.36	5,474.52	5,427.27	47.25	115.854		
6,400.00	6,319.99	5,065.90	4,998.34	29.58	21.08	58.28	-816.12	4,971.36	5,481.45	5,434.11	47.34	115.794		
6,450.00	6,368.01	5,065.90	4,998.34	29.79	21.08	48.82	-816.12	4,971.36	5,485.09	5,437.67	47.41	115.688		
6,500.00	6,415.02	5,065.90	4,998.34	29.99	21.08	42.74	-816.12	4,971.36	5,485.42	5,437.94	47.48	115.534		
6,550.00	6,460.71	5,065.90	4,998.34	30.18	21.08	38.67	-816.12	4,971.36	5,482.44	5,434.91	47.54	115.333		
6,600.00	6,504.81	5,065.90	4,998.34	30.36	21.08	35.87	-816.12	4,971.36	5,476.17	5,428.59	47.58	115.084		
6,650.00	6,547.04	5,065.90	4,998.34	30.53	21.08	33.92	-816.12	4,971.36	5,466.64	5,419.01	47.63	114.785		
6,700.00	6,587.14	5,065.90	4,998.34	30.69	21.08	32.60	-816.12	4,971.36	5,453.88	5,406.22	47.66	114.433		
6,750.00	6,624.87	5,065.90	4,998.34	30.83	21.08	31.75	-816.12	4,971.36	5,437.95	5,390.26	47.69	114.026		
6,800.00	6,660.00	5,065.90	4,998.34	30.96	21.08	31.30	-816.12	4,971.36	5,418.92	5,371.21	47.72	113.562		
6,850.00	6,692.30	5,065.90	4,998.34	31.07	21.08	31.19	-816.12	4,971.36	5,396.88	5,349.14	47.74	113.038		
6,900.00	6,721.58	5,065.90	4,998.34	31.23	21.08	31.39	-816.12	4,971.36	5,371.93	5,324.16	47.77	112.450		
6,950.00	6,747.66	5,065.90	4,998.34	31.56	21.08	31.91	-816.12	4,971.36	5,344.18	5,296.38	47.80	111.798		
7,000.00	6,770.37	5,065.90	4,998.34	31.92	21.08	32.76	-816.12	4,971.36	5,313.76	5,265.93	47.84	111.078		
7,050.00	6,789.58	5,065.90	4,998.34	32.33	21.08	33.97	-816.12	4,971.36	5,280.82	5,232.94	47.88	110.292		
7,100.00	6,805.17	5,065.90	4,998.34	32.78	21.08	35.60	-816.12	4,971.36	5,245.50	5,197.57	47.93	109.438		
7,150.00	6,817.03	5,065.90	4,998.34	33.27	21.08	37.72	-816.12	4,971.36	5,207.99	5,160.00	47.99	108.519		
7,200.00	6,825.11	5,065.90	4,998.34	33.80	21.08	40.46	-816.12	4,971.36	5,168.47	5,120.40	48.06	107.535		
7,250.00	6,829.35	5,065.90	4,998.34	34.37	21.08	43.97	-816.12	4,971.36	5,127.13	5,078.99	48.15	106.492		
7,273.12	6,830.00	5,065.90	4,998.34	34.65	21.08	45.91	-816.12	4,971.36	5,107.46	5,059.27	48.19	105.986		
7,300.00	6,830.28	5,065.90	4,998.34	34.98	21.08	45.91	-816.12	4,971.36	5,084.43	5,036.19	48.24	105.399		
7,400.00	6,831.31	5,065.90	4,998.34	36.32	21.08	45.91	-816.12	4,971.36	4,999.06	4,950.61	48.45	103.176		
7,500.00	6,832.34	5,065.90	4,998.34	37.83	21.08	45.91	-816.12	4,971.36	4,914.25	4,865.54	48.72	100.875		
7,600.00	6,833.37	5,065.90	4,998.34	39.49	21.08	45.91	-816.12	4,971.36	4,830.02	4,780.98	49.04	98.497		
7,700.00	6,834.40	5,065.90	4,998.34	41.27	21.08	45.91	-816.12	4,971.36	4,746.40	4,696.98	49.42	96.047		
7,800.00	6,835.44	5,065.90	4,998.34	43.17	21.08	45.91	-816.12	4,971.36	4,663.43	4,613.57	49.86	93.528		
7,900.00	6,836.47	5,065.90	4,998.34	45.17	21.08	45.91	-816.12	4,971.36	4,581.13	4,530.76	50.37	90.948		
8,000.00	6,837.50	5,065.90	4,998.34	47.26	21.08	45.91	-816.12	4,971.36	4,499.56	4,448.61	50.95	88.313		
8,100.00	6,838.53	5,065.90	4,998.34	49.43	21.08	45.91	-816.12	4,971.36	4,418.74	4,367.13	51.60	85.632		
8,200.00	6,839.56	5,065.90	4,998.34	51.66	21.08	45.91	-816.12	4,971.36	4,338.72	4,286.39	52.33	82.914		
8,300.00	6,840.59	5,065.90	4,998.34	53.95	21.08	45.91	-816.12	4,971.36	4,259.54	4,206.41	53.13	80.170		
8,400.00	6,841.62	5,065.90	4,998.34	56.29	21.08	45.91	-816.12	4,971.36	4,181.26	4,127.24	54.02	77.408		
8,500.00	6,842.65	5,065.90	4,998.34	58.67	21.08	45.91	-816.12	4,971.36	4,103.92	4,048.94	54.98	74.642		
8,600.00	6,843.68	5,065.90	4,998.34	61.10	21.08	45.91	-816.12	4,971.36	4,027.58	3,971.54	56.03	71.880		
8,700.00	6,844.71	5,065.90	4,998.34	63.56	21.08	45.91	-816.12	4,971.36	3,952.29	3,895.12	57.17	69.135		
8,800.00	6,845.75	5,065.90	4,998.34	66.05	21.08	45.91	-816.12	4,971.36	3,878.12	3,819.73	58.39	66.417		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,900.00	6,846.78	5,065.90	4,998.34	68.58	21.08	45.91	-816.12	4,971.36	3,805.13	3,745.43	59.70	63.735		
9,000.00	6,847.81	5,065.90	4,998.34	71.12	21.08	45.91	-816.12	4,971.36	3,733.40	3,672.30	61.10	61.100		
9,100.00	6,848.84	5,065.90	4,998.34	73.69	21.08	45.91	-816.12	4,971.36	3,662.99	3,600.40	62.59	58.520		
9,200.00	6,849.87	5,065.90	4,998.34	76.28	21.08	45.91	-816.12	4,971.36	3,593.98	3,529.81	64.17	56.003		
9,300.00	6,850.90	5,065.90	4,998.34	78.89	21.08	45.91	-816.12	4,971.36	3,526.46	3,460.62	65.85	53.556		
9,400.00	6,851.93	5,065.90	4,998.34	81.51	21.08	45.91	-816.12	4,971.36	3,460.52	3,392.91	67.61	51.186		
9,500.00	6,852.96	5,065.90	4,998.34	84.15	21.08	45.91	-816.12	4,971.36	3,396.23	3,326.78	69.46	48.897		
9,600.00	6,853.99	5,065.90	4,998.34	86.80	21.08	45.91	-816.12	4,971.36	3,333.71	3,262.32	71.39	46.694		
9,700.00	6,855.03	5,065.90	4,998.34	89.46	21.08	45.91	-816.12	4,971.36	3,273.05	3,199.63	73.42	44.581		
9,800.00	6,856.06	5,065.90	4,998.34	92.14	21.08	45.91	-816.12	4,971.36	3,214.35	3,138.83	75.52	42.561		
9,900.00	6,857.09	5,065.90	4,998.34	94.83	21.08	45.91	-816.12	4,971.36	3,157.74	3,080.03	77.71	40.635		
10,000.00	6,858.12	5,065.90	4,998.34	97.52	21.08	45.91	-816.12	4,971.36	3,103.31	3,023.34	79.97	38.806		
10,100.00	6,859.15	5,065.90	4,998.34	100.23	21.08	45.91	-816.12	4,971.36	3,051.19	2,968.89	82.30	37.073		
10,200.00	6,860.18	5,065.90	4,998.34	102.94	21.08	45.91	-816.12	4,971.36	3,001.50	2,916.80	84.70	35.437		
10,300.00	6,861.21	5,065.90	4,998.34	105.66	21.08	45.91	-816.12	4,971.36	2,954.35	2,867.20	87.15	33.898		
10,400.00	6,862.24	5,065.90	4,998.34	108.39	21.08	45.91	-816.12	4,971.36	2,909.89	2,820.23	89.66	32.455		
10,500.00	6,863.27	5,065.90	4,998.34	111.12	21.08	45.91	-816.12	4,971.36	2,868.22	2,776.01	92.20	31.107		
10,600.00	6,864.30	5,065.90	4,998.34	113.86	21.08	45.91	-816.12	4,971.36	2,829.47	2,734.69	94.78	29.853		
10,700.00	6,865.34	5,065.90	4,998.34	116.60	21.08	45.91	-816.12	4,971.36	2,793.76	2,696.39	97.38	28.690		
10,800.00	6,866.37	5,065.90	4,998.34	119.35	21.08	45.91	-816.12	4,971.36	2,761.22	2,661.24	99.98	27.618		
10,900.00	6,867.40	5,065.90	4,998.34	122.11	21.08	45.91	-816.12	4,971.36	2,731.95	2,629.38	102.58	26.633		
11,000.00	6,868.43	5,065.90	4,998.34	124.87	21.08	45.91	-816.12	4,971.36	2,706.07	2,600.91	105.16	25.734		
11,100.00	6,869.46	5,065.90	4,998.34	127.63	21.08	45.91	-816.12	4,971.36	2,683.66	2,575.96	107.70	24.918		
11,200.00	6,870.49	5,065.90	4,998.34	130.40	21.08	45.91	-816.12	4,971.36	2,664.82	2,554.62	110.20	24.182		
11,300.00	6,871.52	5,065.90	4,998.34	133.17	21.08	45.91	-816.12	4,971.36	2,649.62	2,536.99	112.63	23.525		
11,400.00	6,872.55	5,065.90	4,998.34	135.94	21.08	45.91	-816.12	4,971.36	2,638.12	2,523.14	114.99	22.943		
11,500.00	6,873.58	5,065.90	4,998.34	138.72	21.08	45.91	-816.12	4,971.36	2,630.38	2,513.13	117.25	22.434		
11,600.00	6,874.62	5,065.90	4,998.34	141.50	21.08	45.91	-816.12	4,971.36	2,626.43	2,507.02	119.41	21.994		
11,653.87	6,875.17	5,065.90	4,998.34	143.00	21.08	45.91	-816.12	4,971.36	2,625.88	2,505.35	120.53	21.786 CC		
11,700.00	6,875.65	5,065.90	4,998.34	144.28	21.08	45.91	-816.12	4,971.36	2,626.29	2,504.83	121.46	21.623 ES		
11,800.00	6,876.68	5,065.90	4,998.34	147.07	21.08	45.91	-816.12	4,971.36	2,629.94	2,506.56	123.38	21.316		
11,900.00	6,877.71	5,065.90	4,998.34	149.85	21.08	45.91	-816.12	4,971.36	2,637.39	2,512.23	125.16	21.071		
12,000.00	6,878.74	5,065.90	4,998.34	152.65	21.08	45.91	-816.12	4,971.36	2,648.60	2,521.79	126.81	20.886		
12,100.00	6,879.77	5,065.90	4,998.34	155.44	21.08	45.91	-816.12	4,971.36	2,663.51	2,535.20	128.31	20.759		
12,200.00	6,880.80	5,065.90	4,998.34	158.23	21.08	45.91	-816.12	4,971.36	2,682.07	2,552.41	129.66	20.686		
12,300.00	6,881.83	5,065.90	4,998.34	161.03	21.08	45.91	-816.12	4,971.36	2,704.21	2,573.35	130.86	20.665 SF		
12,400.00	6,882.86	5,065.90	4,998.34	163.83	21.08	45.91	-816.12	4,971.36	2,729.83	2,597.91	131.91	20.694		
12,500.00	6,883.89	5,065.90	4,998.34	166.63	21.08	45.91	-816.12	4,971.36	2,758.84	2,626.01	132.82	20.771		
12,600.00	6,884.93	5,065.90	4,998.34	169.43	21.08	45.91	-816.12	4,971.36	2,791.13	2,657.54	133.59	20.893		
12,700.00	6,885.96	5,065.90	4,998.34	172.24	21.08	45.91	-816.12	4,971.36	2,826.60	2,692.37	134.23	21.058		
12,800.00	6,886.99	5,065.90	4,998.34	175.04	21.08	45.91	-816.12	4,971.36	2,865.11	2,730.38	134.73	21.265		
12,900.00	6,888.02	5,065.90	4,998.34	177.85	21.08	45.91	-816.12	4,971.36	2,906.56	2,771.44	135.12	21.511		
13,000.00	6,889.05	5,065.90	4,998.34	180.66	21.08	45.91	-816.12	4,971.36	2,950.82	2,815.43	135.39	21.795		
13,100.00	6,890.08	5,065.90	4,998.34	183.47	21.08	45.91	-816.12	4,971.36	2,997.76	2,862.20	135.56	22.114		
13,200.00	6,891.11	5,065.90	4,998.34	186.28	21.08	45.91	-816.12	4,971.36	3,047.26	2,911.63	135.63	22.467		
13,300.00	6,892.14	5,065.90	4,998.34	189.10	21.08	45.91	-816.12	4,971.36	3,099.19	2,963.58	135.62	22.853		
13,400.00	6,893.17	5,065.90	4,998.34	191.91	21.08	45.91	-816.12	4,971.36	3,153.45	3,017.92	135.52	23.269		
13,500.00	6,894.21	5,065.90	4,998.34	194.73	21.08	45.91	-816.12	4,971.36	3,209.90	3,074.54	135.36	23.714		
13,600.00	6,895.24	5,065.90	4,998.34	197.54	21.08	45.91	-816.12	4,971.36	3,268.44	3,133.31	135.13	24.187		
13,700.00	6,896.27	5,065.90	4,998.34	200.36	21.08	45.91	-816.12	4,971.36	3,328.95	3,194.10	134.85	24.687		
13,800.00	6,897.30	5,065.90	4,998.34	203.18	21.08	45.91	-816.12	4,971.36	3,391.33	3,256.82	134.51	25.212		
13,900.00	6,898.33	5,065.90	4,998.34	206.00	21.08	45.91	-816.12	4,971.36	3,455.48	3,321.34	134.14	25.761		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	6,899.36	5,065.90	4,998.34	208.82	21.08	45.91	-816.12	4,971.36	3,521.30	3,387.58	133.73	26.332		
14,100.00	6,900.39	5,065.90	4,998.34	211.64	21.08	45.91	-816.12	4,971.36	3,588.71	3,455.42	133.28	26.925		
14,200.00	6,901.42	5,065.90	4,998.34	214.46	21.08	45.91	-816.12	4,971.36	3,657.60	3,524.79	132.81	27.539		
14,300.00	6,902.45	5,065.90	4,998.34	217.28	21.08	45.91	-816.12	4,971.36	3,727.90	3,595.58	132.32	28.173		
14,400.00	6,903.48	5,065.90	4,998.34	220.11	21.08	45.91	-816.12	4,971.36	3,799.54	3,667.72	131.81	28.825		
14,500.00	6,904.52	5,065.90	4,998.34	222.93	21.08	45.91	-816.12	4,971.36	3,872.43	3,741.14	131.29	29.495		
14,600.00	6,905.55	5,065.90	4,998.34	225.76	21.08	45.91	-816.12	4,971.36	3,946.51	3,815.75	130.76	30.182		
14,700.00	6,906.58	5,065.90	4,998.34	228.58	21.08	45.91	-816.12	4,971.36	4,021.71	3,891.50	130.21	30.885		
14,800.00	6,907.61	5,065.90	4,998.34	231.41	21.08	45.91	-816.12	4,971.36	4,097.97	3,968.31	129.67	31.604		
14,900.00	6,908.64	5,065.90	4,998.34	234.24	21.08	45.91	-816.12	4,971.36	4,175.24	4,046.12	129.11	32.338		
15,000.00	6,909.67	5,065.90	4,998.34	237.06	21.08	45.91	-816.12	4,971.36	4,253.45	4,124.89	128.56	33.085		
15,100.00	6,910.70	5,065.90	4,998.34	239.89	21.08	45.91	-816.12	4,971.36	4,332.56	4,204.55	128.01	33.846		
15,200.00	6,911.73	5,065.90	4,998.34	242.72	21.08	45.91	-816.12	4,971.36	4,412.52	4,285.06	127.46	34.619		
15,300.00	6,912.76	5,065.90	4,998.34	245.55	21.08	45.91	-816.12	4,971.36	4,493.28	4,366.36	126.91	35.405		
15,400.00	6,913.80	5,065.90	4,998.34	248.38	21.08	45.91	-816.12	4,971.36	4,574.80	4,448.43	126.37	36.202		
15,500.00	6,914.83	5,065.90	4,998.34	251.21	21.08	45.91	-816.12	4,971.36	4,657.04	4,531.20	125.83	37.010		
15,600.00	6,915.86	5,065.90	4,998.34	254.04	21.08	45.91	-816.12	4,971.36	4,739.96	4,614.66	125.30	37.829		
15,700.00	6,916.89	5,065.90	4,998.34	256.88	21.08	45.91	-816.12	4,971.36	4,823.53	4,698.75	124.77	38.658		
15,800.00	6,917.92	5,065.90	4,998.34	259.71	21.08	45.91	-816.12	4,971.36	4,907.71	4,783.46	124.26	39.497		
15,900.00	6,918.95	5,065.90	4,998.34	262.54	21.08	45.91	-816.12	4,971.36	4,992.48	4,868.74	123.75	40.344		
16,000.00	6,919.98	5,065.90	4,998.34	265.37	21.08	45.91	-816.12	4,971.36	5,077.81	4,954.56	123.25	41.201		
16,100.00	6,921.01	5,065.90	4,998.34	268.21	21.08	45.91	-816.12	4,971.36	5,163.66	5,040.90	122.75	42.065		
16,200.00	6,922.04	5,065.90	4,998.34	271.04	21.08	45.91	-816.12	4,971.36	5,250.01	5,127.74	122.27	42.938		
16,300.00	6,923.08	5,065.90	4,998.34	273.88	21.08	45.91	-816.12	4,971.36	5,336.83	5,215.04	121.79	43.818		
16,400.00	6,924.11	5,065.90	4,998.34	276.71	21.08	45.91	-816.12	4,971.36	5,424.11	5,302.79	121.33	44.706		
16,500.00	6,925.14	5,065.90	4,998.34	279.55	21.08	45.91	-816.12	4,971.36	5,511.83	5,390.95	120.87	45.600		
16,600.00	6,926.17	5,065.90	4,998.34	282.38	21.08	45.91	-816.12	4,971.36	5,599.95	5,479.53	120.43	46.501		
16,700.00	6,927.20	5,065.90	4,998.34	285.22	21.08	45.91	-816.12	4,971.36	5,688.47	5,568.48	119.99	47.409		
16,800.00	6,928.23	5,065.90	4,998.34	288.05	21.08	45.91	-816.12	4,971.36	5,777.36	5,657.80	119.56	48.322		
16,900.00	6,929.26	5,065.90	4,998.34	290.89	21.08	45.91	-816.12	4,971.36	5,866.61	5,747.47	119.14	49.241		
17,000.00	6,930.29	5,065.90	4,998.34	293.73	21.08	45.91	-816.12	4,971.36	5,956.20	5,837.47	118.73	50.165		
17,100.00	6,931.32	5,065.90	4,998.34	296.56	21.08	45.91	-816.12	4,971.36	6,046.12	5,927.79	118.33	51.095		
17,200.00	6,932.35	5,065.90	4,998.34	299.40	21.08	45.91	-816.12	4,971.36	6,136.35	6,018.41	117.94	52.029		
17,300.00	6,933.39	5,065.90	4,998.34	302.24	21.08	45.91	-816.12	4,971.36	6,226.88	6,109.32	117.56	52.969		
17,400.00	6,934.42	5,065.90	4,998.34	305.08	21.08	45.91	-816.12	4,971.36	6,317.70	6,200.51	117.18	53.912		
17,500.00	6,935.45	5,065.90	4,998.34	307.92	21.08	45.91	-816.12	4,971.36	6,408.78	6,291.96	116.82	54.860		
17,553.57	6,936.00	5,065.90	4,998.34	309.44	21.08	45.91	-816.12	4,971.36	6,457.69	6,341.06	116.63	55.370		
17,553.96	6,936.00	5,065.90	4,998.34	309.45	21.08	45.91	-816.12	4,971.36	6,458.04	6,341.42	116.63	55.373		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	97.67	-751.64	5,580.16	5,630.78					
100.00	100.00	53.85	53.85	3.28	3.28	97.67	-751.74	5,580.13	5,630.54	5,623.97	6.57	857.431		
200.00	200.00	152.96	152.96	3.34	3.31	97.68	-752.34	5,579.96	5,630.45	5,623.80	6.65	847.087		
300.00	300.00	260.59	260.58	3.44	3.40	97.69	-753.10	5,579.79	5,630.40	5,623.55	6.85	822.288		
368.23	368.23	345.34	345.34	3.55	3.52	101.66	-753.58	5,579.44	5,630.33	5,623.27	7.06	797.071		
400.00	399.98	385.12	385.11	3.60	3.58	101.68	-753.73	5,579.20	5,630.35	5,623.16	7.18	783.746		
500.00	499.84	486.63	486.62	3.81	3.78	101.72	-753.92	5,578.50	5,630.74	5,623.16	7.58	742.751		
600.00	599.45	2,100.51	2,075.12	4.06	12.89	102.65	-652.87	5,365.80	5,619.43	5,605.31	14.12	397.844		
700.00	698.70	2,258.37	2,225.84	4.34	14.61	103.19	-631.04	5,324.25	5,593.71	5,578.50	15.20	367.887		
775.00	772.83	2,321.89	2,286.44	4.57	15.32	103.60	-621.86	5,307.51	5,574.98	5,559.23	15.74	354.081		
800.00	797.48	2,346.45	2,309.86	4.65	15.60	103.61	-618.30	5,301.06	5,568.82	5,552.87	15.95	349.172		
900.00	896.11	2,468.37	2,426.11	4.97	16.98	103.68	-600.58	5,268.85	5,544.09	5,527.16	16.92	327.591		
1,000.00	994.74	1,000.00	2,588.34	5.31	5.36	103.77	-573.75	5,222.80	5,518.76	5,509.24	9.52	579.738		
1,100.00	1,093.37	2,800.00	2,739.95	5.68	21.19	103.83	-546.53	5,176.47	5,490.84	5,471.26	19.58	280.434		
1,200.00	1,192.00	2,861.69	2,798.02	6.06	22.01	103.86	-536.16	5,158.42	5,463.17	5,442.85	20.32	268.883		
1,300.00	1,290.63	2,900.00	2,834.35	6.45	22.52	103.88	-530.27	5,147.79	5,436.87	5,415.94	20.93	259.765		
1,400.00	1,389.26	2,979.47	2,909.95	6.86	23.48	103.93	-518.74	5,126.16	5,411.30	5,389.54	21.77	248.585		
1,500.00	1,487.88	3,100.00	3,024.44	7.27	24.98	104.01	-501.74	5,092.55	5,385.09	5,362.24	22.84	235.749		
1,600.00	1,586.51	3,153.37	3,075.14	7.69	25.61	104.05	-494.21	5,077.70	5,359.24	5,335.69	23.55	227.543		
1,700.00	1,685.14	3,200.00	3,119.67	8.11	26.17	104.08	-487.69	5,065.49	5,334.68	5,310.44	24.23	220.124		
1,800.00	1,783.77	3,254.10	3,171.49	8.54	26.74	104.12	-480.50	5,051.72	5,310.99	5,286.04	24.95	212.885		
1,900.00	1,882.40	3,325.95	3,240.44	8.97	27.49	104.19	-471.92	5,033.43	5,287.68	5,261.93	25.75	205.369		
2,000.00	1,981.03	3,382.21	3,294.57	9.41	28.06	104.25	-465.68	5,019.42	5,265.05	5,238.59	26.46	198.961		
2,100.00	2,079.66	3,447.91	3,357.93	9.84	28.68	104.32	-458.80	5,003.46	5,243.13	5,215.92	27.22	192.638		
2,200.00	2,178.28	3,517.88	3,425.52	10.29	29.33	104.40	-451.83	4,986.77	5,221.75	5,193.76	27.99	186.549		
2,300.00	2,276.91	4,045.45	3,929.66	10.73	35.35	104.89	-386.50	4,847.08	5,200.66	5,169.62	31.03	167.586		
2,400.00	2,375.54	4,100.00	3,980.86	11.18	36.16	104.92	-377.82	4,830.39	5,171.75	5,139.92	31.83	162.493		
2,500.00	2,474.17	4,148.95	4,026.96	11.62	36.83	104.96	-370.36	4,815.75	5,143.68	5,111.11	32.58	157.898		
2,600.00	2,572.80	4,200.00	4,075.40	12.07	37.52	105.00	-363.44	4,801.17	5,116.89	5,083.55	33.34	153.497		
2,700.00	2,671.43	4,229.98	4,103.95	12.52	37.87	105.03	-359.58	4,792.89	5,091.06	5,057.08	33.98	149.840		
2,800.00	2,770.05	2,800.00	4,208.91	12.97	20.37	105.12	-344.35	4,763.11	5,066.00	5,040.13	25.86	195.868		
2,900.00	2,868.68	4,700.00	4,547.64	13.43	44.36	105.35	-287.42	4,656.13	5,037.66	5,000.18	37.48	134.406		
3,000.00	2,967.31	4,746.81	4,591.38	13.88	45.08	105.39	-280.15	4,641.14	5,007.42	4,969.16	38.25	130.897		
3,100.00	3,065.94	4,800.00	4,641.34	14.34	45.91	105.42	-271.65	4,624.96	4,978.40	4,939.34	39.06	127.441		
3,200.00	3,164.57	4,831.06	4,670.60	14.79	46.33	105.44	-266.58	4,615.87	4,950.32	4,910.56	39.76	124.514		
3,300.00	3,263.20	4,900.00	4,735.65	15.25	47.28	105.48	-255.05	4,596.17	4,923.14	4,882.48	40.66	121.086		
3,400.00	3,361.83	4,952.14	4,784.96	15.71	47.96	105.51	-246.23	4,581.67	4,896.62	4,855.15	41.47	118.087		
3,500.00	3,460.45	5,000.00	4,830.28	16.17	48.58	105.53	-238.23	4,568.56	4,870.79	4,828.54	42.25	115.284		
3,600.00	3,559.08	5,051.96	4,879.64	16.62	49.19	105.56	-229.71	4,554.78	4,845.88	4,802.84	43.04	112.582		
3,700.00	3,657.71	5,100.00	4,925.50	17.08	49.75	105.59	-222.03	4,542.66	4,822.13	4,778.32	43.81	110.060		
3,800.00	3,756.34	5,145.76	4,969.34	17.54	50.21	105.62	-215.21	4,531.48	4,799.40	4,754.85	44.54	107.748		
3,900.00	3,854.97	5,200.00	5,021.52	18.00	50.76	105.67	-208.17	4,518.47	4,777.54	4,732.24	45.31	105.448		
4,000.00	3,953.60	5,200.00	5,021.52	18.46	50.76	105.67	-208.17	4,518.47	4,757.14	4,711.34	45.80	103.860		
4,100.00	4,052.23	5,248.59	5,068.57	18.92	51.14	105.73	-202.69	4,507.60	4,737.76	4,691.27	46.50	101.898		
4,200.00	4,150.85	5,300.00	5,118.73	19.39	51.54	105.79	-197.62	4,497.60	4,720.49	4,673.29	47.19	100.023		
4,300.00	4,249.48	5,300.00	5,118.73	19.85	51.54	105.79	-197.62	4,497.60	4,704.14	4,656.48	47.66	98.696		
4,400.00	4,348.11	5,348.24	5,166.03	20.31	51.82	105.86	-193.44	4,489.10	4,689.42	4,641.10	48.31	97.064		
4,500.00	4,446.74	5,400.00	5,216.89	20.77	52.12	105.93	-189.50	4,480.32	4,675.66	4,626.69	48.97	95.478		
4,600.00	4,545.37	5,437.85	5,254.17	21.23	52.30	105.99	-186.95	4,474.28	4,663.06	4,613.51	49.56	94.097		
4,700.00	4,644.00	5,500.00	5,315.57	21.70	52.59	106.09	-183.30	4,465.39	4,652.01	4,601.78	50.23	92.615		
4,800.00	4,742.63	5,500.00	5,315.57	22.16	52.59	106.09	-183.30	4,465.39	4,641.95	4,591.31	50.65	91.653		
4,900.00	4,841.25	5,541.80	5,356.99	22.62	52.74	106.16	-181.16	4,460.23	4,633.46	4,582.25	51.22	90.471		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,939.88	5,600.00	5,414.83	23.09	52.94	106.26	-178.51	4,454.27	4,626.67	4,574.83	51.84	89.242		
5,100.00	5,038.51	5,612.64	5,427.41	23.55	52.98	106.28	-177.97	4,453.15	4,620.89	4,568.62	52.27	88.397		
5,200.00	5,137.14	5,674.84	5,489.32	24.02	53.15	106.38	-175.28	4,447.92	4,616.36	4,563.46	52.90	87.259		
5,300.00	5,235.77	5,736.86	5,551.10	24.48	53.32	106.48	-172.55	4,443.23	4,612.66	4,559.13	53.53	86.169		
5,400.00	5,334.40	5,800.00	5,614.04	24.94	53.48	106.59	-169.87	4,438.95	4,609.79	4,555.63	54.16	85.117		
5,500.00	5,433.03	5,854.96	5,668.86	25.41	53.61	106.68	-167.80	4,435.66	4,607.82	4,553.08	54.74	84.173		
5,600.00	5,531.65	5,900.00	5,713.82	25.87	53.72	106.76	-166.42	4,433.28	4,606.84	4,551.57	55.27	83.344		
5,663.63	5,594.41	5,951.05	5,764.80	26.17	53.83	106.85	-165.24	4,430.86	4,606.64	4,550.93	55.71	82.689		
5,700.00	5,630.28	5,973.32	5,787.05	26.34	53.88	106.89	-164.85	4,429.89	4,606.70	4,550.77	55.93	82.370		
5,800.00	5,728.91	6,040.28	5,853.95	26.80	54.03	107.02	-164.07	4,427.25	4,607.41	4,550.86	56.54	81.482		
5,900.00	5,827.54	6,113.44	5,927.07	27.27	54.18	107.17	-163.56	4,424.74	4,608.77	4,551.58	57.19	80.590		
6,000.00	5,926.17	6,195.69	6,009.27	27.73	54.35	107.33	-163.30	4,422.21	4,610.62	4,552.75	57.87	79.669		
6,100.00	6,024.80	6,278.86	6,092.42	28.20	54.53	107.50	-163.43	4,419.86	4,612.87	4,554.31	58.56	78.771		
6,200.00	6,123.43	6,359.06	6,172.59	28.66	54.70	107.67	-163.95	4,417.78	4,615.54	4,556.30	59.23	77.920		
6,272.77	6,195.20	6,423.87	6,237.37	29.00	54.83	107.81	-164.51	4,416.30	4,617.76	4,558.00	59.76	77.277		
6,300.00	6,222.05	6,454.69	6,268.19	29.13	54.90	93.33	-164.83	4,415.58	4,618.03	4,558.04	59.98	76.990		
6,350.00	6,271.23	6,511.35	6,324.82	29.36	55.02	70.90	-165.50	4,414.15	4,615.53	4,555.14	60.39	76.426		
6,400.00	6,319.99	6,568.67	6,382.11	29.58	55.14	56.24	-166.22	4,412.58	4,609.18	4,548.38	60.80	75.811		
6,450.00	6,368.01	6,618.90	6,432.32	29.79	55.25	47.27	-166.89	4,411.12	4,599.04	4,537.88	61.16	75.196		
6,500.00	6,415.02	6,660.50	6,473.90	29.99	55.34	41.67	-167.52	4,409.92	4,585.27	4,523.80	61.47	74.592		
6,550.00	6,460.71	6,701.14	6,514.52	30.18	55.43	38.13	-168.22	4,408.76	4,567.99	4,506.22	61.77	73.956		
6,600.00	6,504.81	6,754.78	6,568.13	30.36	55.55	35.97	-169.13	4,407.20	4,547.23	4,485.12	62.12	73.206		
6,650.00	6,547.04	6,805.92	6,619.23	30.53	55.66	34.76	-169.90	4,405.62	4,523.07	4,460.63	62.44	72.435		
6,700.00	6,587.14	6,851.53	6,664.81	30.69	55.77	34.27	-170.56	4,404.13	4,495.68	4,432.95	62.74	71.659		
6,750.00	6,624.87	6,894.39	6,707.64	30.83	55.86	34.40	-171.21	4,402.66	4,465.27	4,402.26	63.01	70.867		
6,800.00	6,660.00	6,920.53	6,733.76	30.96	55.92	35.01	-171.62	4,401.76	4,432.07	4,368.87	63.19	70.134		
6,850.00	6,692.30	6,942.47	6,755.70	31.07	55.97	36.18	-171.99	4,401.04	4,396.36	4,333.01	63.35	69.394		
6,900.00	6,721.58	6,962.33	6,775.54	31.23	56.02	37.98	-172.33	4,400.43	4,358.36	4,294.86	63.50	68.637		
6,950.00	6,747.66	6,979.95	6,793.15	31.56	56.06	40.51	-172.65	4,399.92	4,318.28	4,254.65	63.63	67.865		
7,000.00	6,770.37	7,000.00	6,813.19	31.92	56.10	44.02	-173.03	4,399.37	4,276.35	4,212.57	63.77	67.055		
7,050.00	6,789.58	7,017.19	6,830.37	32.33	56.14	48.72	-173.36	4,398.89	4,232.80	4,168.89	63.90	66.236		
7,100.00	6,805.17	7,038.77	6,851.93	32.78	56.19	55.14	-173.76	4,398.27	4,187.87	4,123.81	64.06	65.374		
7,150.00	6,817.03	7,054.45	6,867.60	33.27	56.23	63.48	-174.06	4,397.79	4,141.84	4,077.65	64.19	64.524		
7,200.00	6,825.11	7,064.23	6,877.38	33.80	56.25	74.03	-174.24	4,397.48	4,095.01	4,030.71	64.30	63.687		
7,250.00	6,829.35	7,068.15	6,881.30	34.37	56.26	86.59	-174.31	4,397.36	4,047.68	3,983.30	64.38	62.867		
7,273.12	6,830.00	7,068.01	6,881.16	34.65	56.26	92.84	-174.30	4,397.36	4,025.70	3,961.28	64.42	62.493		
7,300.00	6,830.28	7,067.13	6,880.28	34.98	56.25	92.80	-174.29	4,397.39	4,000.15	3,935.69	64.45	62.061		
7,400.00	6,831.31	7,063.92	6,877.07	36.32	56.25	92.66	-174.23	4,397.49	3,905.23	3,840.61	64.62	60.437		
7,500.00	6,832.34	7,060.78	6,873.93	37.83	56.24	92.51	-174.17	4,397.59	3,810.56	3,745.74	64.82	58.783		
7,600.00	6,833.37	7,057.72	6,870.87	39.49	56.23	92.37	-174.12	4,397.69	3,716.17	3,651.09	65.08	57.101		
7,700.00	6,834.40	7,054.72	6,867.88	41.27	56.23	92.23	-174.06	4,397.78	3,622.09	3,556.69	65.39	55.389		
7,800.00	6,835.44	7,051.80	6,864.95	43.17	56.22	92.10	-174.01	4,397.87	3,528.32	3,462.55	65.77	53.648		
7,900.00	6,836.47	7,048.94	6,862.09	45.17	56.21	91.97	-173.95	4,397.96	3,434.91	3,368.70	66.21	51.879		
8,000.00	6,837.50	7,046.14	6,859.30	47.26	56.21	91.84	-173.90	4,398.05	3,341.87	3,275.14	66.73	50.082		
8,100.00	6,838.53	7,043.40	6,856.57	49.43	56.20	91.71	-173.85	4,398.13	3,249.25	3,181.92	67.33	48.258		
8,200.00	6,839.56	7,040.73	6,853.89	51.66	56.19	91.59	-173.80	4,398.21	3,157.07	3,089.05	68.02	46.411		
8,300.00	6,840.59	7,038.11	6,851.28	53.95	56.19	91.47	-173.75	4,398.29	3,065.39	2,996.57	68.82	44.541		
8,400.00	6,841.62	7,035.55	6,848.72	56.29	56.18	91.35	-173.70	4,398.37	2,974.24	2,904.51	69.73	42.654		
8,500.00	6,842.65	7,033.04	6,846.21	58.67	56.18	91.23	-173.66	4,398.44	2,883.67	2,812.91	70.76	40.751		
8,600.00	6,843.68	7,030.59	6,843.76	61.10	56.17	91.12	-173.61	4,398.51	2,793.75	2,721.81	71.93	38.839		
8,700.00	6,844.71	7,028.18	6,841.35	63.56	56.17	91.01	-173.57	4,398.58	2,704.53	2,631.28	73.25	36.921		
8,800.00	6,845.75	7,025.83	6,839.00	66.05	56.16	90.90	-173.52	4,398.65	2,616.09	2,541.35	74.74	35.004		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,846.78	7,023.52	6,836.69	68.58	56.15	90.79	-173.48	4,398.72	2,528.51	2,452.10	76.40	33.095		
9,000.00	6,847.81	7,021.26	6,834.43	71.12	56.15	90.69	-173.44	4,398.78	2,441.88	2,363.61	78.27	31.199		
9,100.00	6,848.84	7,019.04	6,832.22	73.69	56.14	90.59	-173.39	4,398.84	2,356.31	2,275.95	80.35	29.325		
9,200.00	6,849.87	7,016.87	6,830.04	76.28	56.14	90.49	-173.35	4,398.90	2,271.91	2,189.24	82.68	27.479		
9,300.00	6,850.90	7,014.73	6,827.91	78.89	56.13	90.39	-173.31	4,398.96	2,188.83	2,103.57	85.26	25.671		
9,400.00	6,851.93	7,012.64	6,825.82	81.51	56.13	90.29	-173.27	4,399.02	2,107.22	2,019.09	88.14	23.909		
9,500.00	6,852.96	7,010.59	6,823.78	84.15	56.13	90.20	-173.23	4,399.08	2,027.26	1,935.94	91.32	22.199		
9,600.00	6,853.99	7,008.58	6,821.77	86.80	56.12	90.10	-173.19	4,399.13	1,949.14	1,854.30	94.84	20.552		
9,700.00	6,855.03	7,006.61	6,819.79	89.46	56.12	90.01	-173.16	4,399.19	1,873.11	1,774.39	98.72	18.974		
9,800.00	6,856.06	7,004.67	6,817.86	92.14	56.11	89.92	-173.12	4,399.24	1,799.41	1,696.43	102.98	17.473		
9,900.00	6,857.09	7,002.77	6,815.96	94.83	56.11	89.84	-173.08	4,399.29	1,728.37	1,620.72	107.65	16.056		
10,000.00	6,858.12	7,000.90	6,814.09	97.52	56.10	89.75	-173.05	4,399.34	1,660.30	1,547.58	112.72	14.729		
10,100.00	6,859.15	6,999.26	6,812.45	100.23	56.10	89.67	-173.02	4,399.39	1,595.60	1,477.40	118.20	13.499		
10,200.00	6,860.18	6,997.79	6,810.98	102.94	56.10	89.61	-172.99	4,399.42	1,534.70	1,410.61	124.08	12.368		
10,300.00	6,861.21	6,996.30	6,809.49	105.66	56.09	89.54	-172.96	4,399.46	1,478.05	1,347.73	130.32	11.342		
10,400.00	6,862.24	6,994.78	6,807.97	108.39	56.09	89.47	-172.93	4,399.51	1,426.17	1,289.33	136.84	10.422		
10,500.00	6,863.27	6,993.24	6,806.44	111.12	56.09	89.40	-172.90	4,399.55	1,379.60	1,236.04	143.56	9.610		
10,600.00	6,864.30	6,991.68	6,804.87	113.86	56.08	89.32	-172.87	4,399.59	1,338.89	1,188.54	150.34	8.906		
10,700.00	6,865.34	6,990.09	6,803.29	116.60	56.08	89.25	-172.84	4,399.63	1,304.58	1,147.55	157.03	8.308		
10,800.00	6,866.37	6,988.48	6,801.67	119.35	56.07	89.18	-172.81	4,399.68	1,277.20	1,113.76	163.44	7.814		
10,900.00	6,867.40	6,986.84	6,800.03	122.11	56.07	89.10	-172.78	4,399.72	1,257.20	1,087.83	169.37	7.423		
11,000.00	6,868.43	6,985.17	6,798.37	124.87	56.07	89.02	-172.75	4,399.77	1,244.93	1,070.30	174.63	7.129		
11,100.00	6,869.46	6,983.48	6,796.68	127.63	56.06	88.95	-172.72	4,399.82	1,240.62	1,061.57	179.05	6.929		
11,103.55	6,869.50	6,983.42	6,796.62	127.73	56.06	88.94	-172.72	4,399.82	1,240.62	1,061.42	179.19	6.923 CC, ES		
11,200.00	6,870.49	6,981.76	6,794.96	130.40	56.06	88.87	-172.69	4,399.87	1,244.36	1,061.84	182.52	6.818		
11,300.00	6,871.52	6,980.01	6,793.21	133.17	56.06	88.79	-172.65	4,399.92	1,256.07	1,071.10	184.97	6.791 SF		
11,400.00	6,872.55	6,978.23	6,791.43	135.94	56.05	88.70	-172.62	4,399.97	1,275.53	1,089.14	186.40	6.843		
11,500.00	6,873.58	6,976.42	6,789.62	138.72	56.05	88.62	-172.59	4,400.02	1,302.40	1,115.54	186.86	6.970		
11,600.00	6,874.62	6,974.58	6,787.78	141.50	56.04	88.53	-172.56	4,400.07	1,336.23	1,149.76	186.47	7.166		
11,700.00	6,875.65	6,972.70	6,785.91	144.28	56.04	88.45	-172.52	4,400.13	1,376.51	1,191.16	185.35	7.427		
11,800.00	6,876.68	6,970.80	6,784.00	147.07	56.03	88.36	-172.49	4,400.18	1,422.68	1,239.05	183.63	7.748		
11,900.00	6,877.71	6,968.86	6,782.06	149.85	56.03	88.27	-172.45	4,400.24	1,474.20	1,292.74	181.45	8.124		
12,000.00	6,878.74	6,966.89	6,780.09	152.65	56.03	88.18	-172.42	4,400.30	1,530.52	1,351.57	178.95	8.553		
12,100.00	6,879.77	6,964.88	6,778.08	155.44	56.02	88.09	-172.38	4,400.36	1,591.14	1,414.92	176.22	9.029		
12,200.00	6,880.80	6,962.83	6,776.04	158.23	56.02	87.99	-172.34	4,400.42	1,655.58	1,482.22	173.35	9.550		
12,300.00	6,881.83	6,960.75	6,773.96	161.03	56.01	87.90	-172.31	4,400.48	1,723.41	1,552.98	170.43	10.112		
12,400.00	6,882.86	6,958.63	6,771.84	163.83	56.01	87.80	-172.27	4,400.54	1,794.25	1,626.76	167.49	10.712		
12,500.00	6,883.89	6,956.47	6,769.68	166.63	56.00	87.70	-172.23	4,400.61	1,867.76	1,703.17	164.60	11.348		
12,600.00	6,884.93	6,954.27	6,767.48	169.43	56.00	87.60	-172.19	4,400.68	1,943.64	1,781.88	161.76	12.015		
12,700.00	6,885.96	6,952.03	6,765.24	172.24	55.99	87.49	-172.15	4,400.74	2,021.61	1,862.59	159.01	12.713		
12,800.00	6,886.99	6,949.74	6,762.96	175.04	55.99	87.39	-172.11	4,400.82	2,101.44	1,945.08	156.36	13.439		
12,900.00	6,888.02	6,947.41	6,760.63	177.85	55.98	87.28	-172.07	4,400.89	2,182.94	2,029.11	153.82	14.191		
13,000.00	6,889.05	6,945.04	6,758.26	180.66	55.98	87.17	-172.03	4,400.96	2,265.91	2,114.52	151.39	14.967		
13,100.00	6,890.08	6,942.62	6,755.84	183.47	55.97	87.06	-171.99	4,401.04	2,350.21	2,201.13	149.08	15.765		
13,200.00	6,891.11	6,940.15	6,753.37	186.28	55.97	86.95	-171.95	4,401.12	2,435.70	2,288.82	146.87	16.584		
13,300.00	6,892.14	6,937.63	6,750.86	189.10	55.96	86.83	-171.91	4,401.20	2,522.25	2,377.47	144.78	17.421		
13,400.00	6,893.17	6,935.06	6,748.29	191.91	55.95	86.71	-171.86	4,401.28	2,609.76	2,466.97	142.79	18.277		
13,500.00	6,894.21	6,932.44	6,745.67	194.73	55.95	86.59	-171.82	4,401.36	2,698.14	2,557.23	140.90	19.149		
13,600.00	6,895.24	6,929.76	6,742.99	197.54	55.94	86.47	-171.78	4,401.45	2,787.30	2,648.18	139.11	20.037		
13,700.00	6,896.27	6,927.03	6,740.26	200.36	55.94	86.34	-171.73	4,401.54	2,877.17	2,739.75	137.41	20.938		
13,800.00	6,897.30	6,924.24	6,737.48	203.18	55.93	86.21	-171.69	4,401.63	2,967.68	2,831.88	135.80	21.853		
13,900.00	6,898.33	6,921.39	6,734.63	206.00	55.92	86.08	-171.64	4,401.73	3,058.79	2,924.52	134.27	22.781		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,899.36	6,918.48	6,731.72	208.82	55.92	85.95	-171.59	4,401.83	3,150.43	3,017.61	132.82	23.720		
14,100.00	6,900.39	6,915.51	6,728.75	211.64	55.91	85.81	-171.54	4,401.93	3,242.56	3,111.12	131.44	24.669		
14,200.00	6,901.42	6,912.47	6,725.71	214.46	55.90	85.67	-171.50	4,402.03	3,335.15	3,205.02	130.13	25.629		
14,300.00	6,902.45	6,909.36	6,722.61	217.28	55.90	85.53	-171.45	4,402.14	3,428.15	3,299.26	128.89	26.598		
14,400.00	6,903.48	6,906.19	6,719.43	220.11	55.89	85.38	-171.40	4,402.25	3,521.53	3,393.82	127.71	27.575		
14,500.00	6,904.52	6,902.94	6,716.19	222.93	55.88	85.23	-171.35	4,402.36	3,615.26	3,488.68	126.58	28.561		
14,600.00	6,905.55	6,899.75	6,713.00	225.76	55.87	85.09	-171.30	4,402.47	3,709.32	3,583.81	125.51	29.554		
14,700.00	6,906.58	6,897.57	6,710.82	228.58	55.87	84.99	-171.26	4,402.55	3,803.68	3,679.19	124.50	30.553		
14,800.00	6,907.61	6,895.41	6,708.66	231.41	55.86	84.89	-171.23	4,402.63	3,898.32	3,774.79	123.53	31.558		
14,900.00	6,908.64	6,893.26	6,706.52	234.24	55.86	84.79	-171.20	4,402.70	3,993.22	3,870.61	122.61	32.569		
15,000.00	6,909.67	6,891.12	6,704.38	237.06	55.85	84.69	-171.16	4,402.78	4,088.36	3,966.63	121.73	33.586		
15,100.00	6,910.70	6,889.00	6,702.26	239.89	55.85	84.59	-171.13	4,402.85	4,183.73	4,062.84	120.89	34.608		
15,200.00	6,911.73	6,886.90	6,700.16	242.72	55.85	84.50	-171.10	4,402.92	4,279.31	4,159.22	120.09	35.634		
15,300.00	6,912.76	6,884.80	6,698.06	245.55	55.84	84.40	-171.07	4,403.00	4,375.08	4,255.75	119.33	36.665		
15,400.00	6,913.80	6,882.72	6,695.98	248.38	55.84	84.30	-171.03	4,403.07	4,471.04	4,352.44	118.60	37.700		
15,500.00	6,914.83	6,880.65	6,693.92	251.21	55.83	84.21	-171.00	4,403.14	4,567.17	4,449.27	117.90	38.738		
15,600.00	6,915.86	6,878.60	6,691.87	254.04	55.83	84.12	-170.97	4,403.21	4,663.46	4,546.23	117.23	39.780		
15,700.00	6,916.89	6,876.56	6,689.83	256.88	55.82	84.02	-170.94	4,403.28	4,759.90	4,643.31	116.59	40.825		
15,800.00	6,917.92	6,874.53	6,687.80	259.71	55.82	83.93	-170.91	4,403.35	4,856.49	4,740.51	115.98	41.873		
15,900.00	6,918.95	6,872.51	6,685.78	262.54	55.81	83.84	-170.88	4,403.42	4,953.21	4,837.82	115.40	42.924		
16,000.00	6,919.98	6,870.51	6,683.78	265.37	55.81	83.75	-170.85	4,403.49	5,050.06	4,935.22	114.83	43.977		
16,100.00	6,921.01	6,868.52	6,681.79	268.21	55.80	83.65	-170.82	4,403.56	5,147.03	5,032.73	114.30	45.032		
16,200.00	6,922.04	6,866.54	6,679.82	271.04	55.80	83.56	-170.79	4,403.62	5,244.11	5,130.32	113.78	46.089		
16,300.00	6,923.08	6,864.58	6,677.85	273.88	55.79	83.47	-170.76	4,403.69	5,341.29	5,228.01	113.29	47.148		
16,400.00	6,924.11	6,862.62	6,675.90	276.71	55.79	83.38	-170.73	4,403.76	5,438.58	5,325.77	112.81	48.209		
16,500.00	6,925.14	6,860.68	6,673.96	279.55	55.79	83.30	-170.70	4,403.82	5,535.97	5,423.61	112.36	49.271		
16,600.00	6,926.17	6,858.75	6,672.03	282.38	55.78	83.21	-170.67	4,403.89	5,633.44	5,521.52	111.92	50.334		
16,700.00	6,927.20	6,856.84	6,670.12	285.22	55.78	83.12	-170.64	4,403.95	5,731.00	5,619.50	111.50	51.398		
16,800.00	6,928.23	6,854.93	6,668.21	288.05	55.77	83.03	-170.62	4,404.02	5,828.64	5,717.55	111.10	52.464		
16,900.00	6,929.26	6,853.04	6,666.32	290.89	55.77	82.95	-170.59	4,404.08	5,926.37	5,815.65	110.71	53.530		
17,000.00	6,930.29	6,851.15	6,664.44	293.73	55.76	82.86	-170.56	4,404.14	6,024.16	5,913.82	110.34	54.596		
17,100.00	6,931.32	6,849.28	6,662.57	296.56	55.76	82.78	-170.53	4,404.21	6,122.03	6,012.04	109.98	55.663		
17,200.00	6,932.35	6,847.42	6,660.71	299.40	55.76	82.69	-170.50	4,404.27	6,219.96	6,110.32	109.64	56.731		
17,300.00	6,933.39	6,845.57	6,658.86	302.24	55.75	82.61	-170.48	4,404.33	6,317.96	6,208.65	109.31	57.799		
17,400.00	6,934.42	6,843.74	6,657.03	305.08	55.75	82.52	-170.45	4,404.39	6,416.01	6,307.02	108.99	58.867		
17,500.00	6,935.45	6,841.91	6,655.20	307.92	55.74	82.44	-170.42	4,404.45	6,514.13	6,405.44	108.69	59.934		
17,553.57	6,936.00	6,840.93	6,654.23	309.44	55.74	82.39	-170.41	4,404.48	6,566.72	6,458.19	108.53	60.507		
17,553.96	6,936.00	6,840.93	6,654.22	309.45	55.74	82.39	-170.41	4,404.48	6,567.10	6,458.57	108.53	60.511		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	1,257.07	1,236.44	3.28	9.74	99.04	-858.46	5,398.03	5,615.21					
100.00	100.00	1,423.66	1,394.94	3.28	11.73	99.39	-885.91	5,354.75	5,591.69	5,578.98	12.71	439.998		
200.00	200.00	1,475.21	1,443.92	3.34	12.35	99.51	-894.62	5,341.21	5,568.04	5,554.88	13.17	422.808		
300.00	300.00	1,530.34	1,496.28	3.44	13.01	99.64	-904.51	5,327.09	5,545.20	5,531.48	13.72	404.155		
400.00	399.98	1,600.00	1,562.62	3.60	13.81	104.20	-916.78	5,309.77	5,523.51	5,509.05	14.46	382.069		
500.00	499.84	1,673.24	1,632.49	3.81	14.62	104.81	-929.51	5,291.88	5,503.16	5,487.91	15.26	360.715		
600.00	599.45	600.00	1,806.33	4.06	3.69	105.78	-960.54	5,246.44	5,483.54	5,475.51	8.04	682.277		
700.00	698.70	1,968.34	1,913.71	4.34	18.00	106.55	-978.12	5,216.88	5,463.34	5,445.07	18.26	299.172		
775.00	772.83	2,013.63	1,956.93	4.57	18.53	106.99	-984.97	5,205.21	5,449.26	5,430.39	18.87	288.784		
800.00	797.48	2,034.81	1,977.15	4.65	18.77	107.07	-988.20	5,199.79	5,444.73	5,425.60	19.13	284.667		
900.00	896.11	2,115.00	2,053.66	4.97	19.67	107.38	-1,000.70	5,179.28	5,426.85	5,406.70	20.15	269.361		
1,000.00	994.74	2,180.59	2,116.26	5.31	20.41	107.64	-1,011.14	5,162.73	5,409.54	5,388.46	21.08	256.593		
1,100.00	1,093.37	2,238.03	2,171.12	5.68	21.04	107.86	-1,020.49	5,148.50	5,392.97	5,371.00	21.98	245.380		
1,200.00	1,192.00	2,300.00	2,230.31	6.06	21.71	108.11	-1,031.09	5,133.52	5,377.29	5,354.36	22.94	234.442		
1,300.00	1,290.63	1,300.00	2,400.10	6.45	11.34	108.79	-1,057.67	5,090.04	5,361.13	5,345.21	15.92	336.818		
1,400.00	1,389.26	2,550.28	2,470.05	6.86	24.36	109.06	-1,067.62	5,071.75	5,344.59	5,318.77	25.82	206.967		
1,500.00	1,487.88	1,500.00	2,670.08	7.27	11.89	109.88	-1,098.94	5,018.66	5,328.87	5,311.39	17.48	304.940		
1,600.00	1,586.51	2,939.81	2,841.19	7.69	28.96	110.60	-1,124.66	4,968.36	5,310.05	5,279.97	30.07	176.576		
1,700.00	1,685.14	3,098.92	2,991.41	8.11	31.16	111.25	-1,148.49	4,921.61	5,290.36	5,258.28	32.09	164.876		
1,800.00	1,783.77	3,218.57	3,104.13	8.54	32.87	111.74	-1,165.66	4,885.37	5,269.95	5,236.19	33.76	156.088		
1,900.00	1,882.40	3,266.75	3,149.68	8.97	33.52	111.93	-1,172.06	4,871.05	5,250.15	5,215.39	34.76	151.044		
2,000.00	1,981.03	3,364.02	3,241.84	9.41	34.86	112.33	-1,185.02	4,842.75	5,231.21	5,194.99	36.22	144.433		
2,100.00	2,079.66	3,437.00	3,310.59	9.84	35.86	112.64	-1,196.07	4,820.89	5,212.13	5,174.63	37.50	139.003		
2,200.00	2,178.28	3,500.00	3,370.18	10.29	36.73	112.90	-1,205.41	4,802.72	5,194.13	5,155.43	38.70	134.218		
2,300.00	2,276.91	3,629.77	3,493.57	10.73	38.35	113.41	-1,220.54	4,765.53	5,175.83	5,135.48	40.35	128.286		
2,400.00	2,375.54	4,145.76	3,973.93	11.18	47.37	115.63	-1,287.37	4,591.57	5,151.35	5,104.90	46.44	110.915		
2,500.00	2,474.17	4,200.00	4,023.33	11.62	48.59	115.89	-1,296.15	4,570.95	5,126.24	5,078.32	47.92	106.983		
2,600.00	2,572.80	4,241.97	4,061.73	12.07	49.43	116.10	-1,302.75	4,555.37	5,102.17	5,053.00	49.17	103.766		
2,700.00	2,671.43	4,300.00	4,115.33	12.52	50.59	116.37	-1,311.34	4,534.86	5,079.52	5,028.88	50.63	100.318		
2,800.00	2,770.05	4,352.46	4,164.02	12.97	51.55	116.61	-1,318.73	4,516.77	5,057.73	5,005.75	51.97	97.315		
2,900.00	2,868.68	4,450.00	4,254.38	13.43	53.37	117.06	-1,332.37	4,482.69	5,036.00	4,982.13	53.88	93.475		
3,000.00	2,967.31	4,500.00	4,300.54	13.88	54.32	117.31	-1,340.13	4,465.11	5,014.92	4,959.67	55.25	90.764		
3,100.00	3,065.94	4,549.17	4,345.95	14.34	55.23	117.55	-1,348.23	4,448.06	4,994.87	4,938.22	56.65	88.174		
3,200.00	3,164.57	4,600.00	4,393.03	14.79	56.18	117.80	-1,356.96	4,431.01	4,976.12	4,918.04	58.08	85.683		
3,300.00	3,263.20	4,629.72	4,420.61	15.25	56.68	117.95	-1,362.20	4,421.28	4,958.54	4,899.32	59.21	83.738		
3,400.00	3,361.83	4,673.52	4,461.35	15.71	57.43	118.17	-1,370.09	4,407.24	4,942.17	4,881.63	60.54	81.640		
3,500.00	3,460.45	4,719.24	4,503.98	16.17	58.16	118.40	-1,378.45	4,392.97	4,926.97	4,865.11	61.86	79.650		
3,600.00	3,559.08	4,768.42	4,550.12	16.62	58.90	118.64	-1,386.93	4,378.23	4,912.89	4,849.71	63.18	77.762		
3,700.00	3,657.71	4,825.61	4,604.18	17.08	59.68	118.91	-1,395.92	4,361.89	4,899.87	4,835.33	64.53	75.929		
3,800.00	3,756.34	4,896.44	4,671.66	17.54	60.55	119.22	-1,405.48	4,342.61	4,887.62	4,821.68	65.94	74.125		
3,900.00	3,854.97	4,934.54	4,708.21	18.00	60.93	119.38	-1,409.91	4,332.81	4,876.34	4,809.39	66.95	72.837		
4,000.00	3,953.60	4,971.43	4,743.82	18.46	61.28	119.53	-1,413.77	4,323.96	4,866.38	4,798.45	67.93	71.634		
4,100.00	4,052.23	5,022.11	4,793.01	18.92	61.72	119.72	-1,418.46	4,312.72	4,857.72	4,788.74	68.98	70.423		
4,200.00	4,150.85	5,100.00	4,868.71	19.39	62.33	120.01	-1,425.42	4,295.77	4,849.61	4,779.47	70.15	69.137		
4,300.00	4,249.48	5,155.89	4,923.16	19.85	62.72	120.21	-1,430.14	4,284.07	4,842.29	4,771.15	71.14	68.065		
4,400.00	4,348.11	5,200.00	4,966.29	20.31	63.03	120.36	-1,433.53	4,275.48	4,836.10	4,764.03	72.07	67.106		
4,500.00	4,446.74	5,242.68	5,008.17	20.77	63.26	120.51	-1,436.50	4,267.80	4,831.11	4,758.19	72.92	66.253		
4,600.00	4,545.37	5,300.00	5,064.64	21.23	63.56	120.69	-1,440.03	4,258.63	4,827.48	4,753.66	73.82	65.393		
4,700.00	4,644.00	5,324.27	5,088.61	21.70	63.65	120.76	-1,441.37	4,255.13	4,824.96	4,750.41	74.54	64.726		
4,800.00	4,742.63	5,368.05	5,131.95	22.16	63.81	120.89	-1,443.59	4,249.32	4,823.72	4,748.40	75.32	64.046		
4,862.10	4,803.88	5,400.00	5,163.64	22.45	63.93	120.98	-1,445.04	4,245.50	4,823.55	4,747.75	75.81	63.629		
4,900.00	4,841.25	5,400.00	5,163.64	22.62	63.93	120.98	-1,445.04	4,245.50	4,823.70	4,747.67	76.03	63.442		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,939.88	5,469.41	5,232.60	23.09	64.13	121.16	-1,447.74	4,238.17	4,824.63	4,747.81	76.83	62.799		
5,100.00	5,038.51	5,524.99	5,287.93	23.55	64.28	121.30	-1,449.49	4,233.14	4,826.57	4,749.01	77.56	62.232		
5,200.00	5,137.14	5,581.76	5,344.50	24.02	64.41	121.44	-1,451.08	4,228.64	4,829.43	4,751.16	78.27	61.701		
5,300.00	5,235.77	5,638.08	5,400.67	24.48	64.53	121.56	-1,452.50	4,224.81	4,833.21	4,754.24	78.97	61.207		
5,400.00	5,334.40	5,700.00	5,462.47	24.94	64.65	121.70	-1,453.93	4,221.29	4,837.92	4,758.26	79.66	60.731		
5,500.00	5,433.03	5,747.12	5,509.54	25.41	64.74	121.80	-1,454.81	4,219.20	4,843.57	4,763.28	80.30	60.321		
5,600.00	5,531.65	5,800.00	5,562.39	25.87	64.83	121.90	-1,455.44	4,217.59	4,850.22	4,769.29	80.93	59.929		
5,700.00	5,630.28	5,881.55	5,643.92	26.34	64.96	122.05	-1,455.98	4,215.93	4,857.55	4,775.92	81.63	59.508		
5,800.00	5,728.91	5,956.50	5,718.86	26.80	65.08	122.19	-1,456.29	4,214.83	4,865.33	4,783.03	82.30	59.117		
5,900.00	5,827.54	6,037.94	5,800.30	27.27	65.21	122.33	-1,456.59	4,214.13	4,873.63	4,790.64	82.99	58.728		
6,000.00	5,926.17	6,129.02	5,891.38	27.73	65.36	122.49	-1,456.92	4,213.52	4,882.15	4,798.45	83.70	58.331		
6,100.00	6,024.80	6,214.46	5,976.81	28.20	65.50	122.63	-1,457.24	4,213.17	4,890.94	4,806.55	84.39	57.956		
6,200.00	6,123.43	6,300.28	6,062.63	28.66	65.65	122.77	-1,457.62	4,213.05	4,900.04	4,814.95	85.09	57.590		
6,272.77	6,195.20	6,375.74	6,138.09	29.00	65.77	122.90	-1,457.97	4,213.01	4,906.75	4,821.12	85.63	57.303		
6,300.00	6,222.05	6,403.97	6,166.32	29.13	65.82	108.32	-1,458.10	4,212.98	4,908.74	4,822.91	85.83	57.190		
6,350.00	6,271.23	6,451.90	6,214.25	29.36	65.90	85.75	-1,458.28	4,212.95	4,909.77	4,823.57	86.20	56.956		
6,400.00	6,319.99	6,499.71	6,262.06	29.58	65.98	71.03	-1,458.41	4,212.96	4,907.40	4,820.82	86.58	56.681		
6,450.00	6,368.01	6,540.29	6,302.65	29.79	66.05	62.04	-1,458.50	4,213.02	4,901.69	4,814.76	86.94	56.382		
6,500.00	6,415.02	6,580.03	6,342.38	29.99	66.12	56.52	-1,458.56	4,213.16	4,892.72	4,805.43	87.30	56.047		
6,550.00	6,460.71	6,622.41	6,384.76	30.18	66.20	53.12	-1,458.63	4,213.38	4,880.55	4,792.88	87.66	55.673		
6,600.00	6,504.81	6,667.12	6,429.47	30.36	66.28	51.12	-1,458.71	4,213.60	4,865.20	4,777.16	88.04	55.259		
6,650.00	6,547.04	6,711.51	6,473.86	30.53	66.35	50.11	-1,458.80	4,213.81	4,846.79	4,758.36	88.43	54.812		
6,700.00	6,587.14	6,758.59	6,520.94	30.69	66.44	49.91	-1,458.86	4,214.00	4,825.40	4,736.58	88.82	54.328		
6,750.00	6,624.87	6,802.86	6,565.21	30.83	66.52	50.36	-1,458.85	4,214.15	4,801.18	4,711.97	89.21	53.818		
6,800.00	6,660.00	6,827.23	6,589.58	30.96	66.56	51.25	-1,458.86	4,214.24	4,774.37	4,684.82	89.55	53.313		
6,850.00	6,692.30	6,850.71	6,613.06	31.07	66.60	52.69	-1,458.90	4,214.35	4,745.20	4,655.30	89.90	52.781		
6,900.00	6,721.58	6,872.07	6,634.42	31.23	66.64	54.67	-1,458.98	4,214.48	4,713.85	4,623.59	90.26	52.226		
6,950.00	6,747.66	6,891.17	6,653.52	31.56	66.67	57.20	-1,459.08	4,214.61	4,680.50	4,589.88	90.62	51.648		
7,000.00	6,770.37	6,900.00	6,662.35	31.92	66.69	60.19	-1,459.13	4,214.68	4,645.38	4,554.40	90.97	51.063		
7,050.00	6,789.58	6,900.00	6,662.35	32.33	66.69	63.65	-1,459.13	4,214.68	4,608.74	4,517.43	91.31	50.471		
7,100.00	6,805.17	6,900.00	6,662.35	32.78	66.69	67.73	-1,459.13	4,214.68	4,570.79	4,479.11	91.68	49.858		
7,150.00	6,817.03	6,900.00	6,662.35	33.27	66.69	72.43	-1,459.13	4,214.68	4,531.73	4,439.67	92.06	49.227		
7,200.00	6,825.11	6,900.00	6,662.35	33.80	66.69	77.75	-1,459.13	4,214.68	4,491.78	4,399.32	92.46	48.580		
7,250.00	6,829.35	6,900.00	6,662.35	34.37	66.69	83.61	-1,459.13	4,214.68	4,451.16	4,358.28	92.89	47.920		
7,273.12	6,830.00	6,900.00	6,662.35	34.65	66.69	86.48	-1,459.13	4,214.68	4,432.22	4,339.13	93.09	47.612		
7,300.00	6,830.28	6,900.00	6,662.35	34.98	66.69	86.48	-1,459.13	4,214.68	4,410.18	4,316.85	93.33	47.252		
7,400.00	6,831.31	6,900.00	6,662.35	36.32	66.69	86.48	-1,459.13	4,214.68	4,328.67	4,234.36	94.31	45.901		
7,500.00	6,832.34	6,900.00	6,662.35	37.83	66.69	86.48	-1,459.13	4,214.68	4,247.94	4,152.55	95.39	44.531		
7,600.00	6,833.37	6,900.00	6,662.35	39.49	66.69	86.48	-1,459.13	4,214.68	4,168.05	4,071.45	96.60	43.148		
7,700.00	6,834.40	6,900.00	6,662.35	41.27	66.69	86.48	-1,459.13	4,214.68	4,089.05	3,991.12	97.93	41.755		
7,800.00	6,835.44	6,900.00	6,662.35	43.17	66.69	86.48	-1,459.13	4,214.68	4,010.98	3,911.59	99.39	40.357		
7,900.00	6,836.47	6,900.00	6,662.35	45.17	66.69	86.48	-1,459.13	4,214.68	3,933.91	3,832.94	100.97	38.961		
8,000.00	6,837.50	6,900.00	6,662.35	47.26	66.69	86.48	-1,459.13	4,214.68	3,857.88	3,755.20	102.68	37.571		
8,100.00	6,838.53	6,900.00	6,662.35	49.43	66.69	86.48	-1,459.13	4,214.68	3,782.98	3,678.45	104.53	36.192		
8,200.00	6,839.56	6,900.00	6,662.35	51.66	66.69	86.48	-1,459.13	4,214.68	3,709.25	3,602.75	106.50	34.829		
8,300.00	6,840.59	6,900.00	6,662.35	53.95	66.69	86.48	-1,459.13	4,214.68	3,636.79	3,528.19	108.60	33.488		
8,400.00	6,841.62	6,900.00	6,662.35	56.29	66.69	86.48	-1,459.13	4,214.68	3,565.65	3,454.82	110.83	32.172		
8,500.00	6,842.65	6,900.00	6,662.35	58.67	66.69	86.48	-1,459.13	4,214.68	3,495.93	3,382.74	113.19	30.887		
8,600.00	6,843.68	6,900.00	6,662.35	61.10	66.69	86.48	-1,459.13	4,214.68	3,427.71	3,312.04	115.66	29.635		
8,700.00	6,844.71	6,900.00	6,662.35	63.56	66.69	86.48	-1,459.13	4,214.68	3,361.07	3,242.81	118.26	28.421		
8,800.00	6,845.75	6,900.00	6,662.35	66.05	66.69	86.48	-1,459.13	4,214.68	3,296.13	3,175.16	120.97	27.247		
8,900.00	6,846.78	6,900.00	6,662.35	68.58	66.69	86.48	-1,459.13	4,214.68	3,232.97	3,109.18	123.79	26.116		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,847.81	6,900.00	6,662.35	71.12	66.69	86.48	-1,459.13	4,214.68	3,171.71	3,045.00	126.72	25.030		
9,100.00	6,848.84	6,900.00	6,662.35	73.69	66.69	86.48	-1,459.13	4,214.68	3,112.46	2,982.73	129.73	23.991		
9,200.00	6,849.87	6,900.00	6,662.35	76.28	66.69	86.48	-1,459.13	4,214.68	3,055.34	2,922.50	132.84	23.001		
9,300.00	6,850.90	6,900.00	6,662.35	78.89	66.69	86.48	-1,459.13	4,214.68	3,000.45	2,864.44	136.02	22.060		
9,400.00	6,851.93	6,900.00	6,662.35	81.51	66.69	86.48	-1,459.13	4,214.68	2,947.94	2,808.69	139.26	21.169		
9,500.00	6,852.96	6,900.00	6,662.35	84.15	66.69	86.48	-1,459.13	4,214.68	2,897.93	2,755.39	142.55	20.329		
9,600.00	6,853.99	6,900.00	6,662.35	86.80	66.69	86.48	-1,459.13	4,214.68	2,850.56	2,704.68	145.87	19.541		
9,700.00	6,855.03	6,900.00	6,662.35	89.46	66.69	86.48	-1,459.13	4,214.68	2,805.94	2,656.73	149.22	18.804		
9,800.00	6,856.06	6,900.00	6,662.35	92.14	66.69	86.48	-1,459.13	4,214.68	2,764.23	2,611.67	152.56	18.119		
9,900.00	6,857.09	6,900.00	6,662.35	94.83	66.69	86.48	-1,459.13	4,214.68	2,725.55	2,569.67	155.88	17.485		
10,000.00	6,858.12	6,900.00	6,662.35	97.52	66.69	86.48	-1,459.13	4,214.68	2,690.03	2,530.88	159.15	16.902		
10,100.00	6,859.15	6,900.00	6,662.35	100.23	66.69	86.48	-1,459.13	4,214.68	2,657.81	2,495.44	162.36	16.369		
10,200.00	6,860.18	6,900.00	6,662.35	102.94	66.69	86.48	-1,459.13	4,214.68	2,628.99	2,463.50	165.49	15.886		
10,300.00	6,861.21	6,900.00	6,662.35	105.66	66.69	86.48	-1,459.13	4,214.68	2,603.70	2,435.20	168.50	15.453		
10,400.00	6,862.24	6,900.00	6,662.35	108.39	66.69	86.48	-1,459.13	4,214.68	2,582.03	2,410.66	171.37	15.067		
10,500.00	6,863.27	6,900.00	6,662.35	111.12	66.69	86.48	-1,459.13	4,214.68	2,564.09	2,390.00	174.08	14.729		
10,600.00	6,864.30	6,900.00	6,662.35	113.86	66.69	86.48	-1,459.13	4,214.68	2,549.94	2,373.32	176.62	14.437		
10,700.00	6,865.34	6,900.00	6,662.35	116.60	66.69	86.48	-1,459.13	4,214.68	2,539.65	2,360.69	178.96	14.191		
10,800.00	6,866.37	6,900.00	6,662.35	119.35	66.69	86.48	-1,459.13	4,214.68	2,533.28	2,352.19	181.08	13.990		
10,900.00	6,867.40	6,900.00	6,662.35	122.11	66.69	86.48	-1,459.13	4,214.68	2,530.84	2,347.86	182.98	13.831		
10,911.75	6,867.52	6,900.00	6,662.35	122.43	66.69	86.48	-1,459.13	4,214.68	2,530.81	2,347.62	183.19	13.815 CC, ES		
11,000.00	6,868.43	6,900.00	6,662.35	124.87	66.69	86.48	-1,459.13	4,214.68	2,532.35	2,347.71	184.64	13.715		
11,100.00	6,869.46	6,900.00	6,662.35	127.63	66.69	86.48	-1,459.13	4,214.68	2,537.80	2,351.75	186.05	13.641		
11,200.00	6,870.49	6,900.00	6,662.35	130.40	66.69	86.48	-1,459.13	4,214.68	2,547.17	2,359.96	187.21	13.606 SF		
11,300.00	6,871.52	6,900.00	6,662.35	133.17	66.69	86.48	-1,459.13	4,214.68	2,560.42	2,372.29	188.13	13.610		
11,400.00	6,872.55	6,900.00	6,662.35	135.94	66.69	86.48	-1,459.13	4,214.68	2,577.48	2,388.67	188.81	13.651		
11,500.00	6,873.58	6,900.00	6,662.35	138.72	66.69	86.48	-1,459.13	4,214.68	2,598.28	2,409.03	189.25	13.729		
11,600.00	6,874.62	6,900.00	6,662.35	141.50	66.69	86.48	-1,459.13	4,214.68	2,622.73	2,433.26	189.47	13.843		
11,700.00	6,875.65	6,900.00	6,662.35	144.28	66.69	86.48	-1,459.13	4,214.68	2,650.73	2,461.25	189.48	13.990		
11,800.00	6,876.68	6,900.00	6,662.35	147.07	66.69	86.48	-1,459.13	4,214.68	2,682.16	2,492.87	189.29	14.169		
11,900.00	6,877.71	6,900.00	6,662.35	149.85	66.69	86.48	-1,459.13	4,214.68	2,716.92	2,527.99	188.93	14.381		
12,000.00	6,878.74	6,900.00	6,662.35	152.65	66.69	86.48	-1,459.13	4,214.68	2,754.87	2,566.46	188.40	14.622		
12,100.00	6,879.77	6,900.00	6,662.35	155.44	66.69	86.48	-1,459.13	4,214.68	2,795.88	2,608.14	187.74	14.893		
12,200.00	6,880.80	6,900.00	6,662.35	158.23	66.69	86.48	-1,459.13	4,214.68	2,839.82	2,652.88	186.94	15.191		
12,300.00	6,881.83	6,900.00	6,662.35	161.03	66.69	86.48	-1,459.13	4,214.68	2,886.56	2,700.52	186.04	15.516		
12,400.00	6,882.86	6,900.00	6,662.35	163.83	66.69	86.48	-1,459.13	4,214.68	2,935.97	2,750.92	185.05	15.866		
12,500.00	6,883.89	6,900.00	6,662.35	166.63	66.69	86.48	-1,459.13	4,214.68	2,987.90	2,803.92	183.98	16.240		
12,600.00	6,884.93	6,900.00	6,662.35	169.43	66.69	86.48	-1,459.13	4,214.68	3,042.24	2,859.38	182.85	16.638		
12,700.00	6,885.96	6,900.00	6,662.35	172.24	66.69	86.48	-1,459.13	4,214.68	3,098.85	2,917.17	181.68	17.057		
12,800.00	6,886.99	6,900.00	6,662.35	175.04	66.69	86.48	-1,459.13	4,214.68	3,157.61	2,977.14	180.47	17.497		
12,900.00	6,888.02	6,900.00	6,662.35	177.85	66.69	86.48	-1,459.13	4,214.68	3,218.41	3,039.17	179.23	17.956		
13,000.00	6,889.05	6,900.00	6,662.35	180.66	66.69	86.48	-1,459.13	4,214.68	3,281.13	3,103.14	177.99	18.435		
13,100.00	6,890.08	6,900.00	6,662.35	183.47	66.69	86.48	-1,459.13	4,214.68	3,345.66	3,168.93	176.73	18.931		
13,200.00	6,891.11	6,900.00	6,662.35	186.28	66.69	86.48	-1,459.13	4,214.68	3,411.91	3,236.42	175.48	19.443		
13,300.00	6,892.14	6,900.00	6,662.35	189.10	66.69	86.48	-1,459.13	4,214.68	3,479.76	3,305.52	174.24	19.971		
13,400.00	6,893.17	6,900.00	6,662.35	191.91	66.69	86.48	-1,459.13	4,214.68	3,549.14	3,376.13	173.01	20.514		
13,500.00	6,894.21	6,900.00	6,662.35	194.73	66.69	86.48	-1,459.13	4,214.68	3,619.95	3,448.15	171.80	21.071		
13,600.00	6,895.24	6,900.00	6,662.35	197.54	66.69	86.48	-1,459.13	4,214.68	3,692.11	3,521.50	170.61	21.641		
13,700.00	6,896.27	6,900.00	6,662.35	200.36	66.69	86.48	-1,459.13	4,214.68	3,765.55	3,596.10	169.45	22.223		
13,800.00	6,897.30	6,900.00	6,662.35	203.18	66.69	86.48	-1,459.13	4,214.68	3,840.18	3,671.87	168.31	22.816		
13,900.00	6,898.33	6,900.00	6,662.35	206.00	66.69	86.48	-1,459.13	4,214.68	3,915.95	3,748.75	167.20	23.420		
14,000.00	6,899.36	6,900.00	6,662.35	208.82	66.69	86.48	-1,459.13	4,214.68	3,992.78	3,826.66	166.12	24.035		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,900.39	6,900.00	6,662.35	211.64	66.69	86.48	-1,459.13	4,214.68	4,070.62	3,905.54	165.08	24.659		
14,200.00	6,901.42	6,900.00	6,662.35	214.46	66.69	86.48	-1,459.13	4,214.68	4,149.41	3,985.35	164.06	25.292		
14,300.00	6,902.45	6,900.00	6,662.35	217.28	66.69	86.48	-1,459.13	4,214.68	4,229.10	4,066.02	163.08	25.933		
14,400.00	6,903.48	6,900.00	6,662.35	220.11	66.69	86.48	-1,459.13	4,214.68	4,309.63	4,147.51	162.13	26.582		
14,500.00	6,904.52	6,900.00	6,662.35	222.93	66.69	86.48	-1,459.13	4,214.68	4,390.96	4,229.76	161.20	27.238		
14,600.00	6,905.55	6,900.00	6,662.35	225.76	66.69	86.48	-1,459.13	4,214.68	4,473.05	4,312.74	160.31	27.902		
14,700.00	6,906.58	6,900.00	6,662.35	228.58	66.69	86.48	-1,459.13	4,214.68	4,555.86	4,396.41	159.45	28.571		
14,800.00	6,907.61	6,900.00	6,662.35	231.41	66.69	86.48	-1,459.13	4,214.68	4,639.35	4,480.72	158.62	29.247		
14,900.00	6,908.64	6,900.00	6,662.35	234.24	66.69	86.48	-1,459.13	4,214.68	4,723.47	4,565.65	157.82	29.929		
15,000.00	6,909.67	6,900.00	6,662.35	237.06	66.69	86.48	-1,459.13	4,214.68	4,808.20	4,651.15	157.05	30.616		
15,100.00	6,910.70	6,900.00	6,662.35	239.89	66.69	86.48	-1,459.13	4,214.68	4,893.51	4,737.21	156.30	31.308		
15,200.00	6,911.73	6,900.00	6,662.35	242.72	66.69	86.48	-1,459.13	4,214.68	4,979.37	4,823.79	155.58	32.005		
15,300.00	6,912.76	6,900.00	6,662.35	245.55	66.69	86.48	-1,459.13	4,214.68	5,065.75	4,910.86	154.89	32.706		
15,400.00	6,913.80	6,900.00	6,662.35	248.38	66.69	86.48	-1,459.13	4,214.68	5,152.61	4,998.40	154.22	33.411		
15,500.00	6,914.83	6,900.00	6,662.35	251.21	66.69	86.48	-1,459.13	4,214.68	5,239.95	5,086.38	153.57	34.121		
15,600.00	6,915.86	6,900.00	6,662.35	254.04	66.69	86.48	-1,459.13	4,214.68	5,327.73	5,174.78	152.95	34.834		
15,700.00	6,916.89	6,900.00	6,662.35	256.88	66.69	86.48	-1,459.13	4,214.68	5,415.94	5,263.59	152.35	35.550		
15,800.00	6,917.92	6,900.00	6,662.35	259.71	66.69	86.48	-1,459.13	4,214.68	5,504.55	5,352.78	151.76	36.270		
15,900.00	6,918.95	6,900.00	6,662.35	262.54	66.69	86.48	-1,459.13	4,214.68	5,593.54	5,442.34	151.20	36.993		
16,000.00	6,919.98	6,900.00	6,662.35	265.37	66.69	86.48	-1,459.13	4,214.68	5,682.90	5,532.24	150.66	37.719		
16,100.00	6,921.01	6,900.00	6,662.35	268.21	66.69	86.48	-1,459.13	4,214.68	5,772.61	5,622.47	150.14	38.448		
16,200.00	6,922.04	6,900.00	6,662.35	271.04	66.69	86.48	-1,459.13	4,214.68	5,862.65	5,713.01	149.63	39.180		
16,300.00	6,923.08	6,900.00	6,662.35	273.88	66.69	86.48	-1,459.13	4,214.68	5,953.01	5,803.86	149.15	39.914		
16,400.00	6,924.11	6,900.00	6,662.35	276.71	66.69	86.48	-1,459.13	4,214.68	6,043.67	5,894.99	148.68	40.650		
16,500.00	6,925.14	6,900.00	6,662.35	279.55	66.69	86.48	-1,459.13	4,214.68	6,134.62	5,986.40	148.22	41.389		
16,600.00	6,926.17	6,900.00	6,662.35	282.38	66.69	86.48	-1,459.13	4,214.68	6,225.85	6,078.07	147.78	42.129		
16,700.00	6,927.20	6,900.00	6,662.35	285.22	66.69	86.48	-1,459.13	4,214.68	6,317.35	6,169.99	147.35	42.872		
16,800.00	6,928.23	6,900.00	6,662.35	288.05	66.69	86.48	-1,459.13	4,214.68	6,409.10	6,262.16	146.94	43.616		
16,900.00	6,929.26	6,900.00	6,662.35	290.89	66.69	86.48	-1,459.13	4,214.68	6,501.09	6,354.55	146.54	44.363		
17,000.00	6,930.29	6,900.00	6,662.35	293.73	66.69	86.48	-1,459.13	4,214.68	6,593.32	6,447.16	146.16	45.111		
17,100.00	6,931.32	6,900.00	6,662.35	296.56	66.69	86.48	-1,459.13	4,214.68	6,685.77	6,539.98	145.79	45.860		
17,200.00	6,932.35	6,900.00	6,662.35	299.40	66.69	86.48	-1,459.13	4,214.68	6,778.43	6,633.01	145.42	46.611		
17,300.00	6,933.39	6,900.00	6,662.35	302.24	66.69	86.48	-1,459.13	4,214.68	6,871.30	6,726.23	145.08	47.364		
17,400.00	6,934.42	6,900.00	6,662.35	305.08	66.69	86.48	-1,459.13	4,214.68	6,964.37	6,819.63	144.74	48.117		
17,500.00	6,935.45	6,900.00	6,662.35	307.92	66.69	86.48	-1,459.13	4,214.68	7,057.63	6,913.22	144.41	48.872		
17,553.57	6,936.00	6,900.00	6,662.35	309.44	66.69	86.48	-1,459.13	4,214.68	7,107.66	6,963.42	144.24	49.277		
17,553.96	6,936.00	6,900.00	6,662.35	309.45	66.69	86.48	-1,459.13	4,214.68	7,108.02	6,963.79	144.24	49.280		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	97.39	-65.56	505.25	509.53					
100.00	100.00	99.50	99.50	3.28	3.29	97.43	-65.80	504.58	508.89	502.32	6.57	77.424		
200.00	200.00	202.30	202.28	3.34	3.33	97.51	-66.30	502.80	507.24	500.57	6.67	76.014		
300.00	300.00	301.13	301.08	3.44	3.44	97.64	-67.13	500.80	505.34	498.46	6.88	73.401		
400.00	399.98	399.79	399.73	3.60	3.59	101.89	-67.70	499.48	504.45	497.25	7.20	70.100		
500.00	499.84	503.35	503.27	3.81	3.80	102.57	-67.98	497.66	503.85	496.24	7.61	66.233		
600.00	599.45	607.70	607.60	4.06	4.06	103.65	-68.14	494.99	503.33	495.23	8.10	62.139		
652.63	651.74	660.16	660.03	4.20	4.20	104.33	-68.00	493.33	503.11	494.73	8.38	60.037 CC		
700.00	698.70	704.48	704.33	4.34	4.32	105.01	-68.13	492.05	503.37	494.73	8.64	58.285		
775.00	772.83	777.92	777.74	4.57	4.54	106.34	-68.94	490.16	504.74	495.66	9.08	55.595		
800.00	797.48	803.07	802.88	4.65	4.62	106.85	-69.38	489.44	505.32	496.09	9.24	54.718		
900.00	896.11	898.40	898.15	4.97	4.92	108.82	-71.24	486.79	508.19	498.32	9.87	51.490		
1,000.00	994.74	994.33	994.05	5.31	5.25	110.69	-72.54	484.97	512.36	501.82	10.54	48.600		
1,100.00	1,093.37	1,096.28	1,095.98	5.68	5.61	112.61	-73.65	483.08	517.08	505.81	11.27	45.889		
1,200.00	1,192.00	1,204.21	1,203.85	6.06	6.00	114.64	-74.60	479.53	520.94	508.90	12.04	43.253		
1,300.00	1,290.63	1,294.69	1,294.26	6.45	6.34	116.28	-74.87	476.27	524.89	512.12	12.77	41.109		
1,400.00	1,389.26	1,389.27	1,388.82	6.86	6.68	117.64	-72.99	475.48	530.88	517.38	13.51	39.301		
1,500.00	1,487.88	1,496.07	1,495.50	7.27	7.07	118.86	-68.30	475.38	536.87	522.56	14.31	37.529		
1,600.00	1,586.51	1,598.78	1,598.03	7.69	7.45	119.86	-62.16	474.98	542.10	527.00	15.10	35.896		
1,700.00	1,685.14	1,706.31	1,705.17	8.11	7.85	120.66	-53.05	474.16	545.99	530.06	15.93	34.270		
1,800.00	1,783.77	1,805.19	1,803.37	8.54	8.23	121.03	-41.52	474.76	549.75	533.01	16.74	32.839		
1,900.00	1,882.40	1,915.55	1,912.85	8.97	8.67	121.35	-27.63	475.11	552.87	535.26	17.61	31.394		
2,000.00	1,981.03	2,024.59	2,020.63	9.41	9.13	121.49	-11.21	473.90	553.53	535.04	18.49	29.940		
2,100.00	2,079.66	2,125.57	2,120.43	9.84	9.57	121.64	4.10	472.14	553.61	534.26	19.35	28.611		
2,200.00	2,178.28	2,227.34	2,221.05	10.29	10.03	121.85	19.17	469.97	553.51	533.29	20.22	27.370		
2,300.00	2,276.91	2,330.04	2,322.66	10.73	10.49	122.15	33.80	466.96	552.99	531.88	21.11	26.200		
2,400.00	2,375.54	2,433.69	2,425.23	11.18	10.97	122.52	48.24	463.07	551.90	529.90	22.00	25.089		
2,500.00	2,474.17	2,535.67	2,526.13	11.62	11.44	122.93	62.37	458.59	550.32	527.43	22.89	24.045		
2,600.00	2,572.80	2,638.43	2,627.79	12.07	11.92	123.41	76.32	453.39	548.31	524.53	23.78	23.056		
2,700.00	2,671.43	2,740.82	2,729.09	12.52	12.41	123.95	90.00	447.48	545.83	521.15	24.68	22.120		
2,800.00	2,770.05	2,842.36	2,829.54	12.97	12.90	124.53	103.38	441.07	543.02	517.45	25.57	21.238		
2,900.00	2,868.68	2,943.25	2,929.35	13.43	13.38	125.16	116.43	434.24	540.00	513.54	26.46	20.408		
3,000.00	2,967.31	3,042.26	3,027.31	13.88	13.86	125.82	129.05	427.33	536.97	509.62	27.35	19.634		
3,100.00	3,065.94	3,137.53	3,121.64	14.34	14.32	126.48	140.82	420.94	534.46	506.23	28.23	18.931		
3,200.00	3,164.57	3,235.35	3,218.42	14.79	14.80	126.93	154.21	416.32	532.95	503.82	29.13	18.298		
3,300.00	3,263.20	3,335.02	3,317.04	15.25	15.29	127.41	167.79	411.40	531.33	501.30	30.03	17.695		
3,400.00	3,361.83	3,435.08	3,416.11	15.71	15.79	127.95	180.89	406.40	530.01	499.08	30.93	17.136		
3,500.00	3,460.45	3,534.40	3,514.47	16.17	16.28	128.52	193.65	401.06	528.55	496.73	31.83	16.607		
3,600.00	3,559.08	3,632.15	3,611.34	16.62	16.76	129.15	205.60	395.78	527.50	494.78	32.72	16.123		
3,700.00	3,657.71	3,735.21	3,713.48	17.08	17.26	129.83	218.13	390.22	526.56	492.93	33.62	15.661		
3,800.00	3,756.34	3,830.66	3,808.08	17.54	17.73	130.49	229.56	384.65	525.44	490.93	34.51	15.228		
3,836.35	3,792.20	3,864.65	3,841.82	17.71	17.90	130.77	233.16	382.68	525.36	490.54	34.82	15.087		
3,900.00	3,854.97	3,924.82	3,901.62	18.00	18.18	131.36	238.63	378.88	525.58	490.21	35.37	14.859		
4,000.00	3,953.60	4,008.30	3,984.75	18.46	18.56	132.35	244.19	373.67	527.66	491.50	36.17	14.589		
4,100.00	4,052.23	4,090.09	4,066.41	18.92	18.91	133.41	247.12	370.24	533.42	496.51	36.91	14.452		
4,200.00	4,150.85	4,180.81	4,157.05	19.39	19.28	134.84	246.70	366.64	542.22	504.54	37.68	14.392		
4,300.00	4,249.48	4,275.50	4,251.68	19.85	19.66	136.28	246.20	363.15	551.71	513.24	38.47	14.342		
4,400.00	4,348.11	4,367.82	4,343.96	20.31	20.02	137.62	244.83	360.85	563.03	523.79	39.24	14.350		
4,500.00	4,446.74	4,467.64	4,443.73	20.77	20.41	139.03	243.13	358.33	574.84	534.76	40.08	14.343		
4,600.00	4,545.37	4,561.33	4,537.39	21.23	20.77	140.23	242.03	356.46	586.96	546.10	40.86	14.365		
4,700.00	4,644.00	4,655.56	4,631.62	21.70	21.14	141.10	242.09	357.74	600.65	559.00	41.65	14.422		
4,800.00	4,742.63	4,758.19	4,734.23	22.16	21.54	141.95	242.77	359.30	614.17	571.64	42.53	14.441		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
4,900.00	4,841.25	4,860.02	4,836.04	22.62	21.95	142.73	244.05	360.71	627.27	583.86	43.41	14.449		
5,000.00	4,939.88	4,960.22	4,936.22	23.09	22.35	143.47	245.58	361.81	640.08	595.80	44.28	14.455		
5,100.00	5,038.51	5,062.47	5,038.46	23.55	22.77	144.21	247.21	362.61	652.75	607.58	45.17	14.450		
5,200.00	5,137.14	5,163.04	5,139.00	24.02	23.19	144.93	249.10	362.94	665.01	618.96	46.05	14.440		
5,300.00	5,235.77	5,263.51	5,239.46	24.48	23.61	145.63	251.02	363.02	677.20	630.27	46.93	14.429		
5,400.00	5,334.40	5,364.39	5,340.32	24.94	24.03	146.33	253.00	362.74	689.22	641.40	47.82	14.412		
5,500.00	5,433.03	5,472.28	5,448.18	25.41	24.49	147.08	255.61	361.74	700.60	651.83	48.77	14.364		
5,600.00	5,531.65	5,570.06	5,545.90	25.87	24.91	147.74	258.57	360.42	711.34	661.70	49.64	14.331		
5,700.00	5,630.28	5,642.85	5,618.67	26.34	25.21	148.21	259.52	360.28	724.21	673.98	50.24	14.416		
5,800.00	5,728.91	5,744.43	5,720.26	26.80	25.61	148.86	259.15	361.18	739.16	688.05	51.11	14.461		
5,900.00	5,827.54	5,850.32	5,826.14	27.27	26.04	149.51	259.75	361.54	753.11	701.07	52.05	14.469		
6,000.00	5,926.17	5,954.53	5,930.34	27.73	26.48	150.14	260.91	361.22	766.34	713.37	52.98	14.466		
6,100.00	6,024.80	6,058.14	6,033.94	28.20	26.92	150.77	262.43	360.24	779.01	725.12	53.90	14.454		
6,200.00	6,123.43	6,162.89	6,138.65	28.66	27.37	151.39	264.50	358.71	791.07	736.24	54.83	14.429		
6,272.77	6,195.20	6,238.73	6,214.45	29.00	27.70	151.86	266.20	357.07	799.46	743.97	55.50	14.405		
6,300.00	6,222.05	6,256.15	6,231.87	29.13	27.77	137.22	266.47	356.77	802.48	746.84	55.65	14.421		
6,350.00	6,271.23	6,293.80	6,269.52	29.36	27.92	114.66	266.80	356.31	806.98	751.02	55.96	14.421		
6,400.00	6,319.99	6,322.00	6,297.72	29.58	28.04	99.87	266.77	356.20	810.27	754.13	56.15	14.432		
6,450.00	6,368.01	6,358.34	6,334.04	29.79	28.18	90.99	266.46	357.03	812.60	756.19	56.40	14.407		
6,500.00	6,415.02	6,387.47	6,363.11	29.99	28.29	85.38	266.03	358.92	814.28	757.74	56.55	14.400		
6,550.00	6,460.71	6,417.00	6,392.48	30.18	28.40	81.84	265.44	361.95	815.33	758.65	56.68	14.385		
6,600.00	6,504.81	6,417.00	6,392.48	30.36	28.40	78.77	265.44	361.95	816.59	760.33	56.26	14.516		
6,616.77	6,519.19	6,444.95	6,420.07	30.42	28.50	78.71	264.64	366.30	816.21	759.58	56.63	14.413		
6,650.00	6,547.04	6,459.13	6,433.94	30.53	28.54	77.67	264.12	369.23	816.59	759.99	56.60	14.428		
6,700.00	6,587.14	6,480.62	6,454.72	30.69	28.61	76.56	263.17	374.59	817.11	760.56	56.55	14.450		
6,750.00	6,624.87	6,512.00	6,484.48	30.83	28.72	76.15	261.45	384.37	817.72	760.99	56.73	14.415		
6,751.76	6,626.16	6,512.00	6,484.48	30.83	28.72	76.11	261.45	384.37	817.72	761.01	56.71	14.419		
6,800.00	6,660.00	6,535.98	6,506.86	30.96	28.79	75.87	260.04	392.86	817.93	761.14	56.79	14.402		
6,850.00	6,692.30	6,578.61	6,546.41	31.07	28.92	76.55	257.75	408.61	817.33	759.99	57.34	14.255		
6,900.00	6,721.58	6,617.23	6,581.92	31.23	29.03	77.44	255.91	423.67	815.89	758.02	57.87	14.098		
6,950.00	6,747.66	6,649.05	6,610.60	31.56	29.12	78.29	254.51	437.38	814.17	755.82	58.35	13.952		
7,000.00	6,770.37	6,681.47	6,639.07	31.92	29.21	79.32	253.17	452.83	812.39	753.45	58.94	13.784		
7,050.00	6,789.58	6,717.76	6,670.00	32.33	29.31	80.66	251.80	471.75	810.60	750.90	59.69	13.580		
7,100.00	6,805.17	6,759.68	6,705.10	32.78	29.42	82.44	250.51	494.61	808.62	747.96	60.65	13.332		
7,150.00	6,817.03	6,800.60	6,738.85	33.27	29.53	84.37	249.58	517.73	806.60	744.94	61.66	13.082		
7,200.00	6,825.11	6,829.97	6,762.65	33.80	29.60	85.86	248.96	534.93	805.07	742.52	62.55	12.871		
7,250.00	6,829.35	6,859.20	6,785.89	34.37	29.67	87.39	248.23	552.65	804.44	740.95	63.49	12.671		
7,254.60	6,829.55	6,861.84	6,787.96	34.43	29.67	87.53	248.15	554.28	804.44	740.86	63.58	12.653		
7,273.12	6,830.00	6,872.42	6,796.25	34.65	29.70	88.10	247.86	560.86	804.52	740.59	63.93	12.585		
7,300.00	6,830.28	6,887.93	6,808.27	34.98	29.74	88.95	247.40	570.64	805.03	740.60	64.44	12.494		
7,400.00	6,831.31	6,977.58	6,874.54	36.32	30.23	93.61	245.54	630.93	810.71	744.01	66.70	12.155		
7,500.00	6,832.34	7,080.06	6,941.56	37.83	31.02	98.25	245.35	708.34	820.02	751.10	68.91	11.900		
7,600.00	6,833.37	7,168.48	6,991.52	39.49	31.87	101.64	245.28	781.26	831.98	761.00	70.98	11.721		
7,700.00	6,834.40	7,298.94	7,050.14	41.27	33.45	105.46	244.25	897.57	844.72	771.03	73.68	11.464		
7,800.00	6,835.44	7,445.41	7,084.81	43.17	35.67	107.55	241.58	1,039.43	853.57	776.26	77.31	11.041		
7,900.00	6,836.47	7,578.31	7,096.83	45.17	38.11	108.18	239.81	1,171.75	857.66	776.19	81.48	10.526		
8,000.00	6,837.50	7,695.54	7,107.65	47.26	40.52	108.83	242.05	1,288.46	858.82	773.22	85.60	10.033		
8,100.00	6,838.53	7,799.34	7,115.15	49.43	42.83	109.28	244.68	1,391.95	858.83	769.13	89.69	9.575		
8,200.00	6,839.56	7,901.06	7,122.21	51.66	45.23	109.71	247.32	1,493.39	858.74	764.83	93.91	9.144		
8,300.00	6,840.59	8,012.56	7,126.35	53.95	47.98	109.95	249.79	1,604.79	857.97	759.36	98.61	8.701		
8,400.00	6,841.62	8,107.99	7,130.11	56.29	50.44	110.18	252.61	1,700.10	856.58	753.57	103.02	8.315		
8,500.00	6,842.65	8,211.54	7,133.85	58.67	53.19	110.40	255.30	1,803.54	855.42	747.67	107.75	7.939		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,600.00	6,843.68	8,304.65	7,137.16	61.10	55.72	110.59	257.59	1,896.56	854.39	742.08	112.30	7.608		
8,676.71	6,844.47	8,376.13	7,140.46	62.99	57.72	110.78	259.09	1,967.95	854.15	738.32	115.82	7.375		
8,700.00	6,844.71	8,397.82	7,141.70	63.56	58.32	110.85	259.55	1,989.60	854.17	737.29	116.88	7.308		
8,800.00	6,845.75	8,485.67	7,147.50	66.05	60.82	111.18	260.95	2,077.25	855.06	733.76	121.30	7.049		
8,900.00	6,846.78	8,586.16	7,155.19	68.58	63.71	111.62	262.12	2,177.43	856.79	730.70	126.09	6.795		
9,000.00	6,847.81	8,700.99	7,162.40	71.12	67.06	112.02	264.02	2,292.02	857.58	726.19	131.40	6.527		
9,005.75	6,847.87	8,707.67	7,162.66	71.27	67.26	112.04	264.14	2,298.69	857.57	725.87	131.71	6.511		
9,100.00	6,848.84	8,796.63	7,165.71	73.69	69.90	112.18	264.96	2,387.59	857.96	721.66	136.29	6.295		
9,200.00	6,849.87	8,908.34	7,168.34	76.28	73.24	112.30	266.41	2,499.26	857.64	715.86	141.78	6.049		
9,300.00	6,850.90	9,009.71	7,170.98	78.89	76.29	112.45	268.94	2,600.57	856.31	709.37	146.93	5.828		
9,392.39	6,851.85	9,092.46	7,171.84	81.31	78.81	112.46	269.77	2,683.31	855.80	704.32	151.48	5.650		
9,400.00	6,851.93	9,099.33	7,171.85	81.51	79.02	112.46	269.78	2,690.17	855.80	703.94	151.86	5.636		
9,500.00	6,852.96	9,194.25	7,171.45	84.15	81.92	112.34	268.99	2,785.09	856.38	699.30	157.09	5.452		
9,600.00	6,853.99	9,294.39	7,168.89	86.80	85.00	112.07	267.46	2,885.19	856.82	694.14	162.68	5.267		
9,700.00	6,855.03	9,388.08	7,167.58	89.46	87.90	111.88	265.70	2,978.85	858.02	690.01	168.01	5.107		
9,800.00	6,856.06	9,498.33	7,170.01	92.14	91.34	111.94	265.38	3,089.05	859.14	685.41	173.73	4.945		
9,900.00	6,857.09	9,607.24	7,175.30	94.83	94.74	112.26	268.19	3,197.80	858.55	679.40	179.14	4.792		
10,000.00	6,858.12	9,720.46	7,180.93	97.52	98.30	112.62	272.15	3,310.81	857.22	672.60	184.61	4.643		
10,100.00	6,859.15	9,804.90	7,183.92	100.23	100.96	112.81	274.94	3,395.14	855.57	666.23	189.34	4.519		
10,121.55	6,859.37	9,822.13	7,184.68	100.81	101.51	112.86	275.30	3,412.36	855.52	665.20	190.32	4.495		
10,200.00	6,860.18	9,894.51	7,187.78	102.94	103.80	113.02	276.26	3,484.66	855.85	661.65	194.20	4.407		
10,300.00	6,861.21	9,992.62	7,191.18	105.66	106.92	113.17	276.71	3,582.71	856.75	657.34	199.42	4.296		
10,400.00	6,862.24	10,092.19	7,194.87	108.39	110.09	113.34	277.23	3,682.21	857.71	653.03	204.67	4.191		
10,500.00	6,863.27	10,194.61	7,199.02	111.12	113.36	113.53	278.00	3,784.54	858.60	648.61	209.99	4.089		
10,600.00	6,864.30	10,300.95	7,203.06	113.86	116.76	113.74	279.29	3,890.80	858.98	643.54	215.44	3.987		
10,700.00	6,865.34	10,404.13	7,204.41	116.60	120.07	113.76	280.07	3,993.96	858.77	637.76	221.01	3.886		
10,800.00	6,866.37	10,504.37	7,204.41	119.35	123.28	113.70	280.43	4,094.20	858.41	631.79	226.61	3.788		
10,900.00	6,867.40	10,608.82	7,204.06	122.11	126.64	113.61	280.96	4,198.64	857.77	625.37	232.40	3.691		
11,000.00	6,868.43	10,715.99	7,204.02	124.87	130.09	113.57	282.48	4,305.80	856.42	618.19	238.23	3.595		
11,100.00	6,869.46	10,809.88	7,204.72	127.63	133.12	113.60	284.62	4,399.67	854.62	611.10	243.52	3.509		
11,146.69	6,869.94	10,847.53	7,204.78	128.92	134.34	113.59	284.85	4,437.31	854.37	608.55	245.82	3.476		
11,200.00	6,870.49	10,895.80	7,204.66	130.40	135.90	113.54	284.56	4,485.59	854.59	605.91	248.68	3.437		
11,300.00	6,871.52	10,989.10	7,204.74	133.17	138.92	113.45	283.69	4,578.88	855.45	601.33	254.12	3.366		
11,400.00	6,872.55	11,083.44	7,205.21	135.94	141.98	113.36	281.80	4,673.20	857.44	597.83	259.61	3.303		
11,500.00	6,873.58	11,196.22	7,206.51	138.72	145.64	113.32	280.69	4,785.97	858.78	593.03	265.75	3.231		
11,600.00	6,874.62	11,315.91	7,207.08	141.50	149.53	113.29	281.56	4,905.65	858.28	586.22	272.07	3.155		
11,700.00	6,875.65	11,420.71	7,205.63	144.28	152.93	113.17	283.36	5,010.42	856.12	578.11	278.01	3.079		
11,800.00	6,876.68	11,516.80	7,203.32	147.07	156.06	112.99	284.54	5,106.47	854.02	570.21	283.81	3.009		
11,900.00	6,877.71	11,630.76	7,202.02	149.85	159.77	112.89	287.10	5,220.39	851.51	561.52	289.99	2.936		
12,000.00	6,878.74	11,742.06	7,202.39	152.65	163.38	112.99	292.98	5,331.54	846.68	551.00	295.68	2.863		
12,100.00	6,879.77	11,822.95	7,202.13	155.44	166.01	112.99	296.20	5,412.36	842.89	542.08	300.81	2.802		
12,200.00	6,880.80	11,899.77	7,201.52	158.23	168.52	112.91	296.82	5,489.17	841.78	535.96	305.83	2.752		
12,242.48	6,881.24	11,954.46	7,201.45	159.42	170.31	112.88	297.10	5,543.86	841.55	532.83	308.72	2.726		
12,300.00	6,881.83	12,014.08	7,202.13	161.03	172.25	112.91	298.53	5,603.45	840.51	528.55	311.97	2.694		
12,365.65	6,882.51	12,066.95	7,202.87	162.87	173.98	112.94	299.27	5,656.31	840.01	524.84	315.18	2.665		
12,400.00	6,882.86	12,095.61	7,203.24	163.83	174.92	112.94	299.30	5,684.97	840.14	523.25	316.89	2.651		
12,500.00	6,883.89	12,185.25	7,202.48	166.63	177.85	112.78	297.65	5,774.59	841.48	519.06	322.42	2.610		
12,600.00	6,884.93	12,288.99	7,200.06	169.43	181.25	112.47	294.63	5,878.26	843.26	514.40	328.86	2.564		
12,700.00	6,885.96	12,393.05	7,198.41	172.24	184.66	112.25	292.98	5,982.29	844.09	508.94	335.15	2.519		
12,800.00	6,886.99	12,477.46	7,196.76	175.04	187.43	112.01	290.39	6,066.63	846.16	505.55	340.61	2.484		
12,900.00	6,888.02	12,577.27	7,194.37	177.85	190.71	111.69	286.38	6,166.33	849.00	502.04	346.97	2.447		
13,000.00	6,889.05	12,692.15	7,191.22	180.66	194.48	111.29	281.84	6,281.08	851.79	497.64	354.15	2.405		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
13,100.00	6,890.08	12,830.80	7,185.75	183.47	199.02	110.85	281.98	6,419.61	850.14	488.10	362.04	2.348		
13,200.00	6,891.11	12,934.13	7,182.61	186.28	202.41	110.64	284.85	6,522.85	846.48	478.21	368.27	2.299		
13,300.00	6,892.14	13,040.24	7,178.48	189.10	205.88	110.38	288.31	6,628.83	842.07	467.41	374.66	2.248		
13,400.00	6,893.17	13,116.95	7,176.01	191.91	208.40	110.20	289.95	6,705.48	838.96	458.75	380.22	2.207		
13,500.00	6,894.21	13,233.41	7,174.01	194.73	212.22	110.04	292.38	6,821.89	836.48	449.74	386.74	2.163		
13,600.00	6,895.24	13,351.79	7,170.56	197.54	216.10	109.85	297.62	6,940.09	831.29	438.10	393.19	2.114		
13,700.00	6,896.27	13,436.58	7,167.61	200.36	218.87	109.69	301.66	7,024.73	825.76	426.69	399.07	2.069		
13,800.00	6,897.30	13,507.25	7,165.23	203.18	221.19	109.50	302.35	7,095.36	823.67	419.21	404.46	2.036		
13,900.00	6,898.33	13,610.51	7,162.01	206.00	224.59	109.21	302.40	7,198.56	822.63	411.64	410.99	2.002		
13,934.41	6,898.68	13,637.53	7,161.65	206.97	225.48	109.16	302.42	7,225.59	822.48	409.66	412.81	1.992		
14,000.00	6,899.36	13,689.88	7,162.18	208.82	227.21	109.15	302.15	7,277.93	823.04	406.95	416.09	1.978		
14,100.00	6,900.39	13,813.69	7,163.10	211.64	231.29	109.14	303.00	7,401.72	822.56	399.68	422.87	1.945		
14,200.00	6,901.42	13,909.67	7,160.10	214.46	234.45	108.86	302.89	7,497.65	821.69	392.54	429.15	1.915		
14,300.00	6,902.45	14,013.65	7,155.23	217.28	237.87	108.45	302.48	7,601.52	820.62	384.61	436.00	1.882		
14,400.00	6,903.48	14,110.61	7,151.21	220.11	241.06	108.11	302.47	7,698.38	819.41	376.93	442.48	1.852		
14,483.83	6,904.35	14,187.38	7,150.50	222.48	243.60	108.00	302.64	7,775.15	819.05	371.69	447.35	1.831		
14,500.00	6,904.52	14,202.19	7,150.43	222.93	244.08	107.99	302.61	7,789.96	819.06	370.78	448.28	1.827		
14,600.00	6,905.55	14,293.34	7,149.41	225.76	247.09	107.83	301.69	7,881.10	819.75	365.64	454.11	1.805		
14,700.00	6,906.58	14,398.44	7,148.14	228.58	250.56	107.62	299.71	7,986.17	821.29	360.64	460.65	1.783		
14,800.00	6,907.61	14,508.10	7,147.21	231.41	254.18	107.48	300.06	8,095.83	820.76	353.55	467.21	1.757		
14,900.00	6,908.64	14,604.35	7,146.27	234.24	257.36	107.35	300.12	8,192.08	820.49	347.24	473.24	1.734		
14,925.63	6,908.90	14,629.31	7,146.17	234.96	258.19	107.32	300.12	8,217.03	820.48	345.69	474.78	1.728		
15,000.00	6,909.67	14,701.34	7,146.07	237.06	260.57	107.26	300.05	8,289.06	820.58	341.37	479.21	1.712		
15,100.00	6,910.70	14,792.87	7,146.03	239.89	263.59	107.17	299.47	8,380.59	821.27	336.36	484.92	1.694		
15,200.00	6,911.73	14,891.65	7,145.90	242.72	266.86	107.05	297.83	8,479.36	822.91	331.90	491.02	1.676		
15,300.00	6,912.76	14,994.61	7,145.71	245.55	270.26	106.94	296.53	8,582.30	824.15	326.83	497.32	1.657		
15,400.00	6,913.80	15,115.23	7,145.32	248.38	274.25	106.81	296.42	8,702.92	824.29	320.01	504.28	1.635		
15,500.00	6,914.83	15,215.40	7,145.40	251.21	277.56	106.77	298.00	8,803.08	822.90	312.62	510.28	1.613		
15,546.96	6,915.31	15,250.74	7,145.30	252.54	278.73	106.74	298.22	8,838.41	822.61	309.90	512.71	1.604		
15,600.00	6,915.86	15,292.23	7,145.02	254.04	280.10	106.69	297.87	8,879.91	822.99	307.51	515.48	1.597		
15,700.00	6,916.89	15,406.12	7,144.02	256.88	283.87	106.51	296.66	8,993.78	823.89	301.50	522.39	1.577		
15,800.00	6,917.92	15,537.33	7,142.95	259.71	288.20	106.39	299.24	9,124.95	821.93	292.56	529.37	1.553		
15,900.00	6,918.95	15,661.45	7,141.57	262.54	292.28	106.34	306.64	9,248.84	815.91	280.46	535.45	1.524		
16,000.00	6,919.98	15,748.72	7,141.81	265.37	295.14	106.41	312.54	9,335.91	809.61	268.41	541.20	1.496 Level 3		
16,100.00	6,921.01	15,831.13	7,143.35	268.21	297.85	106.54	316.87	9,418.18	805.20	258.60	546.61	1.473 Level 3		
16,200.00	6,922.04	15,913.67	7,144.97	271.04	300.58	106.63	319.36	9,500.67	802.97	251.12	551.85	1.455 Level 3		
16,300.00	6,923.08	16,009.88	7,146.22	273.88	303.76	106.67	320.58	9,596.87	802.22	244.67	557.55	1.439 Level 3		
16,400.00	6,924.11	16,133.89	7,148.06	276.71	307.86	106.76	323.84	9,720.82	800.27	236.45	563.81	1.419 Level 3		
16,500.00	6,925.14	16,223.93	7,150.34	279.55	310.83	106.92	327.22	9,810.76	797.47	228.35	569.13	1.401 Level 3		
16,600.00	6,926.17	16,320.14	7,151.77	282.38	314.01	107.00	329.86	9,906.92	795.37	220.64	574.73	1.384 Level 3		
16,700.00	6,927.20	16,422.93	7,152.34	285.22	317.40	107.02	332.94	10,009.66	792.74	212.10	580.64	1.365 Level 3		
16,764.60	6,927.87	16,469.19	7,152.49	287.05	318.93	107.01	333.59	10,055.92	792.00	208.09	583.90	1.356 Level 3		
16,800.00	6,928.23	16,500.00	7,152.48	288.05	319.95	106.98	333.37	10,086.72	792.25	206.37	585.88	1.352 Level 3		
16,900.00	6,929.26	16,601.87	7,152.40	290.89	323.33	106.87	332.44	10,188.58	793.20	201.04	592.16	1.339 Level 3		
17,000.00	6,930.29	16,688.20	7,152.40	293.73	326.19	106.78	331.34	10,274.91	794.50	196.85	597.65	1.329 Level 3		
17,100.00	6,931.32	16,790.09	7,152.40	296.56	329.57	106.66	328.98	10,366.59	797.07	193.33	603.74	1.320 Level 3, ES		
17,200.00	6,932.35	16,845.00	7,152.40	299.40	331.39	106.56	326.93	10,431.65	800.93	194.13	606.81	1.320 Level 3, SF		
17,300.00	6,933.39	16,845.00	7,152.40	302.24	331.39	106.56	326.93	10,431.65	814.52	215.82	598.70	1.360 Level 3		
17,400.00	6,934.42	16,845.00	7,152.40	305.08	331.39	106.56	326.93	10,431.65	839.87	257.17	582.71	1.441 Level 3		
17,500.00	6,935.45	16,845.00	7,152.40	307.92	331.39	106.56	326.93	10,431.65	875.97	315.16	560.81	1.562		
17,553.57	6,936.00	16,845.00	7,152.40	309.44	331.39	106.56	326.93	10,431.65	899.30	351.88	547.42	1.643		
17,553.96	6,936.00	16,845.00	7,152.40	309.45	331.39	106.56	326.93	10,431.65	899.48	352.16	547.32	1.643		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	100.76	-95.43	502.19	511.22					
100.00	100.00	98.60	98.59	3.28	3.30	100.84	-95.95	501.10	510.24	503.65	6.58	77.496		
200.00	200.00	199.61	199.59	3.34	3.37	100.95	-96.73	499.82	509.13	502.42	6.71	75.852		
300.00	300.00	302.25	302.21	3.44	3.51	101.06	-97.38	498.07	507.58	500.63	6.95	72.986		
400.00	399.98	402.51	402.45	3.60	3.69	105.34	-97.89	498.04	506.15	498.86	7.29	69.414		
500.00	499.84	509.08	508.99	3.81	3.93	106.10	-98.50	493.26	505.13	497.40	7.73	65.318		
600.00	599.45	613.66	613.48	4.06	4.20	107.28	-99.08	489.17	503.94	495.69	8.25	61.105		
636.66	635.89	647.10	646.89	4.16	4.29	107.75	-99.29	487.82	503.78	495.34	8.44	59.720	CC, ES	
700.00	698.70	706.66	706.41	4.34	4.47	108.67	-99.75	485.75	504.29	495.51	8.78	57.404		
775.00	772.83	783.72	783.43	4.57	4.71	110.03	-100.25	483.06	505.69	496.44	9.25	54.674		
800.00	797.48	807.59	807.28	4.65	4.79	110.49	-100.35	482.16	506.26	496.86	9.40	53.835		
900.00	896.11	897.95	897.60	4.97	5.09	112.22	-101.10	479.62	509.88	499.85	10.03	50.840		
1,000.00	994.74	995.47	995.09	5.31	5.42	114.06	-102.16	477.70	514.93	504.21	10.71	48.057		
1,100.00	1,093.37	1,097.25	1,096.82	5.68	5.79	116.02	-103.86	475.16	520.26	508.81	11.45	45.448		
1,200.00	1,192.00	1,198.17	1,197.66	6.06	6.16	118.04	-106.24	471.63	525.53	513.33	12.20	43.064		
1,300.00	1,290.63	1,295.80	1,295.18	6.45	6.54	119.99	-108.85	467.93	531.31	518.34	12.97	40.972		
1,400.00	1,389.26	1,392.57	1,391.85	6.86	6.92	121.89	-111.57	464.37	537.88	524.14	13.74	39.135		
1,500.00	1,487.88	1,488.28	1,487.48	7.27	7.30	123.69	-114.09	461.34	545.41	530.88	14.53	37.541		
1,600.00	1,586.51	1,586.93	1,586.08	7.69	7.69	125.37	-115.86	458.95	553.68	538.35	15.33	36.107		
1,700.00	1,685.14	1,691.00	1,690.07	8.11	8.11	127.15	-117.75	455.48	561.69	545.51	16.18	34.719		
1,800.00	1,783.77	1,781.74	1,780.64	8.54	8.49	128.89	-121.44	451.40	570.52	553.55	16.97	33.618		
1,900.00	1,882.40	1,871.90	1,870.44	8.97	8.87	130.82	-127.93	446.71	581.26	563.49	17.77	32.714		
2,000.00	1,981.03	1,963.77	1,961.89	9.41	9.27	132.78	-135.60	442.36	593.80	575.23	18.58	31.962		
2,100.00	2,079.66	2,055.31	2,053.08	9.84	9.66	134.55	-142.86	439.36	607.93	588.54	19.38	31.363		
2,200.00	2,178.28	2,161.63	2,158.87	10.29	10.13	136.66	-152.30	434.47	622.36	602.07	20.29	30.668		
2,300.00	2,276.91	2,254.25	2,250.96	10.73	10.54	138.47	-160.77	429.55	637.18	616.05	21.12	30.163		
2,400.00	2,375.54	2,343.30	2,339.61	11.18	10.94	140.03	-168.60	426.22	653.47	631.54	21.92	29.807		
2,500.00	2,474.17	2,437.26	2,433.21	11.62	11.35	141.49	-176.56	424.25	671.12	648.37	22.75	29.500		
2,600.00	2,572.80	2,549.11	2,544.58	12.07	11.85	143.25	-185.88	419.93	687.97	664.26	23.72	29.010		
2,700.00	2,671.43	2,643.41	2,638.42	12.52	12.28	144.73	-193.86	415.27	704.79	680.22	24.56	28.694		
2,800.00	2,770.05	2,739.14	2,733.70	12.97	12.72	146.16	-202.03	410.78	722.27	696.86	25.42	28.415		
2,900.00	2,868.68	2,833.57	2,827.73	13.43	13.15	147.45	-209.88	407.00	740.41	714.14	26.26	28.192		
3,000.00	2,967.31	2,928.40	2,922.22	13.88	13.58	148.59	-217.38	404.44	759.32	732.21	27.11	28.012		
3,100.00	3,065.94	3,028.65	3,022.00	14.34	14.04	149.86	-226.09	400.18	778.32	750.32	28.00	27.799		
3,200.00	3,164.57	3,140.96	3,133.84	14.79	14.55	151.20	-235.11	395.36	797.19	768.21	28.98	27.504		
3,300.00	3,263.20	3,256.24	3,248.73	15.25	15.08	152.52	-241.38	388.22	813.07	783.09	29.98	27.117		
3,400.00	3,361.83	3,355.87	3,348.10	15.71	15.53	153.54	-245.70	382.61	828.69	797.82	30.87	26.844		
3,500.00	3,460.45	3,444.94	3,436.98	16.17	15.93	154.38	-249.46	378.15	844.76	813.08	31.68	26.661		
3,600.00	3,559.08	3,549.99	3,541.79	16.62	16.41	155.35	-254.57	373.14	861.72	829.11	32.61	26.425		
3,700.00	3,657.71	3,643.85	3,635.41	17.08	16.84	156.20	-258.58	367.96	878.02	844.55	33.46	26.240		
3,800.00	3,756.34	3,735.98	3,727.11	17.54	17.27	157.16	-264.30	361.10	895.35	861.05	34.30	26.100		
3,900.00	3,854.97	3,830.35	3,821.00	18.00	17.71	158.13	-270.61	354.00	913.35	878.18	35.17	25.971		
4,000.00	3,953.60	3,926.39	3,916.53	18.46	18.17	159.09	-277.31	346.67	931.82	895.77	36.05	25.851		
4,100.00	4,052.23	4,026.18	4,015.82	18.92	18.64	160.03	-284.05	339.36	950.47	913.52	36.95	25.722		
4,200.00	4,150.85	4,109.23	4,098.46	19.39	19.04	160.77	-289.81	333.60	969.69	931.97	37.72	25.708		
4,300.00	4,249.48	4,201.23	4,189.98	19.85	19.47	161.55	-297.43	327.90	990.55	951.99	38.56	25.690		
4,400.00	4,348.11	4,315.37	4,303.64	20.31	20.01	162.41	-305.64	321.63	1,010.90	971.32	39.58	25.541		
4,500.00	4,446.74	4,404.19	4,392.20	20.77	20.42	162.99	-310.97	317.41	1,030.57	990.18	40.39	25.517		
4,600.00	4,545.37	4,506.13	4,493.84	21.23	20.89	163.61	-317.60	313.16	1,050.99	1,009.69	41.30	25.447		
4,700.00	4,644.00	4,595.89	4,583.41	21.70	21.29	164.06	-322.72	310.80	1,071.28	1,029.18	42.10	25.446		
4,800.00	4,742.63	4,749.78	4,737.22	22.16	21.91	164.44	-326.19	311.94	1,089.50	1,046.18	43.33	25.146		
4,900.00	4,841.25	4,857.33	4,844.76	22.62	22.30	164.62	-325.22	312.90	1,104.87	1,060.67	44.20	24.999		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,000.00	4,939.88	4,962.95	4,950.37	23.09	22.70	164.83	-323.76	312.96	1,119.53	1,074.47	45.06	24.843		
5,100.00	5,038.51	5,065.14	5,052.54	23.55	23.10	165.07	-322.18	312.08	1,133.76	1,087.84	45.92	24.688		
5,200.00	5,137.14	5,165.67	5,153.05	24.02	23.50	165.34	-320.66	310.52	1,147.82	1,101.04	46.78	24.534		
5,300.00	5,235.77	5,242.68	5,230.05	24.48	23.81	165.54	-319.92	309.49	1,162.55	1,115.05	47.50	24.473		
5,400.00	5,334.40	5,331.51	5,318.87	24.94	24.17	165.71	-320.54	309.93	1,179.31	1,131.02	48.29	24.422		
5,500.00	5,433.03	5,446.85	5,434.22	25.41	24.64	165.94	-320.57	309.92	1,195.36	1,146.11	49.25	24.272		
5,600.00	5,531.65	5,537.16	5,524.52	25.87	25.01	166.14	-320.24	309.17	1,210.81	1,160.76	50.05	24.190		
5,700.00	5,630.28	5,641.66	5,629.00	26.34	25.45	166.43	-320.92	307.33	1,226.97	1,176.01	50.96	24.077		
5,800.00	5,728.91	5,760.16	5,747.47	26.80	25.95	166.74	-320.14	304.81	1,241.79	1,189.84	51.95	23.903		
5,900.00	5,827.54	5,836.83	5,824.12	27.27	26.27	166.95	-319.76	303.09	1,256.74	1,204.06	52.68	23.855		
6,000.00	5,926.17	5,952.31	5,939.59	27.73	26.74	167.18	-319.27	302.01	1,272.22	1,218.58	53.65	23.715		
6,100.00	6,024.80	6,060.36	6,047.60	28.20	27.17	167.36	-316.93	301.42	1,286.10	1,231.55	54.55	23.578		
6,200.00	6,123.43	6,138.00	6,125.24	28.66	27.48	167.49	-316.04	300.83	1,300.88	1,245.60	55.28	23.534		
6,272.77	6,195.20	6,241.71	6,228.92	29.00	27.91	167.70	-314.59	299.46	1,311.44	1,255.34	56.10	23.379		
6,300.00	6,222.05	6,258.05	6,245.26	29.13	27.97	167.90	-314.26	299.19	1,315.00	1,258.73	56.27	23.370		
6,350.00	6,271.23	6,295.91	6,283.11	29.36	28.13	129.95	-313.65	298.75	1,321.01	1,264.39	56.62	23.329		
6,400.00	6,319.99	6,338.43	6,325.63	29.58	28.30	114.89	-313.26	298.58	1,326.37	1,269.37	57.00	23.269		
6,450.00	6,368.01	6,409.60	6,396.78	29.79	28.58	106.00	-312.08	297.96	1,330.31	1,272.76	57.55	23.117		
6,500.00	6,415.02	6,446.13	6,433.30	29.99	28.73	100.22	-311.20	297.58	1,332.98	1,275.10	57.88	23.029		
6,550.00	6,460.71	6,474.31	6,461.48	30.18	28.84	96.33	-310.77	297.90	1,335.43	1,277.27	58.16	22.961		
6,600.00	6,504.81	6,501.98	6,489.13	30.36	28.95	93.69	-310.58	298.78	1,337.73	1,279.30	58.43	22.896		
6,650.00	6,547.04	6,518.00	6,505.13	30.53	29.01	91.62	-310.58	299.55	1,340.01	1,281.42	58.60	22.868		
6,700.00	6,587.14	6,548.54	6,535.56	30.69	29.12	90.42	-310.82	302.06	1,342.30	1,283.43	58.87	22.799		
6,750.00	6,624.87	6,570.16	6,556.99	30.83	29.20	89.41	-311.21	304.89	1,344.82	1,285.73	59.09	22.758		
6,800.00	6,660.00	6,591.77	6,578.28	30.96	29.28	88.68	-311.78	308.57	1,347.56	1,288.23	59.33	22.714		
6,850.00	6,692.30	6,613.00	6,599.02	31.07	29.36	88.15	-312.51	313.01	1,350.54	1,290.95	59.59	22.665		
6,900.00	6,721.58	6,633.30	6,618.68	31.23	29.43	87.76	-313.38	318.04	1,353.83	1,293.96	59.87	22.614		
6,950.00	6,747.66	6,653.20	6,637.72	31.56	29.49	87.48	-314.43	323.70	1,357.48	1,297.29	60.19	22.553		
7,000.00	6,770.37	6,673.05	6,656.47	31.92	29.56	87.29	-315.66	330.08	1,361.52	1,300.96	60.56	22.481		
7,050.00	6,789.58	6,692.85	6,674.92	32.33	29.62	87.17	-317.06	337.15	1,365.99	1,305.00	60.99	22.395		
7,100.00	6,805.17	6,722.14	6,701.71	32.78	29.71	87.41	-319.39	348.73	1,370.89	1,309.31	61.57	22.264		
7,150.00	6,817.03	6,780.54	6,754.82	33.27	29.89	88.73	-323.33	372.70	1,375.66	1,313.20	62.46	22.025		
7,200.00	6,825.11	6,841.50	6,809.85	33.80	30.07	90.30	-326.18	398.76	1,380.25	1,316.88	63.37	21.781		
7,250.00	6,829.35	6,911.80	6,871.98	34.37	30.27	92.30	-327.72	431.60	1,384.71	1,320.40	64.31	21.531		
7,273.12	6,830.00	6,972.23	6,921.41	34.65	30.43	94.13	-327.71	466.24	1,386.61	1,321.73	64.88	21.373		
7,300.00	6,830.28	7,013.95	6,952.40	34.98	30.55	95.39	-327.05	494.16	1,388.51	1,323.14	65.37	21.240		
7,400.00	6,831.31	7,105.52	7,018.33	36.32	30.90	98.08	-324.49	557.65	1,396.93	1,329.95	66.98	20.857		
7,500.00	6,832.34	7,179.65	7,066.96	37.83	31.33	100.04	-323.21	613.53	1,408.36	1,339.72	68.64	20.519		
7,600.00	6,833.37	7,358.37	7,152.34	39.49	32.95	103.38	-322.99	769.74	1,419.53	1,348.11	71.42	19.876		
7,700.00	6,834.40	7,564.00	7,200.36	41.27	35.78	105.16	-324.18	969.16	1,427.61	1,352.00	75.61	18.882		
7,800.00	6,835.44	7,697.94	7,209.87	43.17	38.12	105.49	-321.57	1,102.72	1,427.61	1,347.98	79.63	17.929		
7,827.64	6,835.72	7,715.75	7,210.88	43.73	38.47	105.53	-321.22	1,120.50	1,427.53	1,347.03	80.49	17.734		
7,900.00	6,836.47	7,765.48	7,213.62	45.17	39.45	105.62	-320.80	1,170.15	1,428.10	1,345.30	82.81	17.247		
8,000.00	6,837.50	7,825.26	7,216.79	47.26	40.68	105.70	-321.58	1,229.84	1,430.99	1,345.04	85.94	16.650		
8,100.00	6,838.53	7,885.00	7,220.06	49.43	41.96	105.77	-324.39	1,289.42	1,436.98	1,347.82	89.16	16.117		
8,200.00	6,839.56	7,955.67	7,224.64	51.66	43.57	105.87	-329.26	1,359.78	1,445.40	1,352.66	92.74	15.585		
8,300.00	6,840.59	8,232.70	7,266.73	53.95	50.33	107.41	-323.75	1,632.94	1,446.89	1,345.82	101.07	14.316		
8,400.00	6,841.62	8,345.51	7,276.51	56.29	53.26	107.81	-316.74	1,745.06	1,443.65	1,337.71	105.94	13.627		
8,500.00	6,842.65	8,487.92	7,276.30	58.67	57.10	107.84	-308.71	1,887.21	1,438.22	1,326.44	111.78	12.866		
8,600.00	6,843.68	8,583.32	7,276.02	61.10	59.72	107.87	-302.09	1,982.38	1,431.61	1,314.99	116.62	12.276		
8,700.00	6,844.71	8,667.74	7,274.93	63.56	62.09	107.85	-297.27	2,066.66	1,425.85	1,304.55	121.30	11.755		
8,800.00	6,845.75	8,751.39	7,274.20	66.05	64.48	107.83	-293.29	2,150.21	1,421.14	1,295.13	126.02	11.277		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,900.00	6,846.78	8,824.70	7,274.07	68.58	66.60	107.83	-290.85	2,223.47	1,418.00	1,287.49	130.50	10.866		
8,998.81	6,847.80	8,892.19	7,274.39	71.09	68.58	107.82	-289.88	2,290.95	1,416.88	1,282.07	134.81	10.510		
9,000.00	6,847.81	8,892.99	7,274.40	71.12	68.60	107.82	-289.88	2,291.75	1,416.88	1,282.01	134.86	10.506		
9,100.00	6,848.84	8,979.71	7,275.76	73.69	71.17	107.83	-290.23	2,378.47	1,417.76	1,278.00	139.76	10.144		
9,200.00	6,849.87	9,087.93	7,277.18	76.28	74.40	107.83	-290.40	2,486.67	1,418.38	1,273.04	145.34	9.759		
9,300.00	6,850.90	9,215.24	7,280.76	78.89	78.25	107.94	-288.62	2,613.91	1,418.04	1,266.60	151.45	9.363		
9,400.00	6,851.93	9,308.69	7,283.59	81.51	81.09	108.03	-286.34	2,707.30	1,416.73	1,260.11	156.61	9.046		
9,500.00	6,852.96	9,422.05	7,286.93	84.15	84.57	108.15	-283.34	2,820.57	1,415.20	1,252.84	162.36	8.716		
9,600.00	6,853.99	9,520.56	7,287.67	86.80	87.61	108.16	-280.86	2,919.04	1,413.11	1,245.32	167.79	8.422		
9,700.00	6,855.03	9,596.00	7,287.91	89.46	89.94	108.15	-279.73	2,994.47	1,411.91	1,239.33	172.58	8.181		
9,725.09	6,855.28	9,618.62	7,288.05	90.14	90.65	108.15	-279.59	3,017.09	1,411.84	1,237.94	173.89	8.119		
9,800.00	6,856.06	9,673.16	7,288.53	92.14	92.35	108.14	-279.81	3,071.63	1,412.38	1,234.97	177.41	7.961		
9,900.00	6,857.09	9,746.63	7,289.03	94.83	94.65	108.11	-281.44	3,145.08	1,414.76	1,232.66	182.11	7.769		
10,000.00	6,858.12	9,844.00	7,288.38	97.52	97.71	107.99	-285.55	3,242.35	1,418.63	1,230.93	187.70	7.558		
10,100.00	6,859.15	9,994.00	7,287.93	100.23	102.44	107.87	-288.51	3,392.32	1,420.56	1,225.49	195.06	7.283		
10,200.00	6,860.18	10,158.13	7,285.84	102.94	107.63	107.75	-285.69	3,556.39	1,418.81	1,216.22	202.60	7.003		
10,300.00	6,861.21	10,288.70	7,284.49	105.66	111.76	107.73	-277.79	3,686.70	1,412.69	1,203.73	208.96	6.760		
10,400.00	6,862.24	10,375.02	7,284.18	108.39	114.49	107.75	-272.12	3,772.84	1,406.41	1,192.14	214.27	6.564		
10,500.00	6,863.27	10,453.72	7,284.18	111.12	116.99	107.77	-267.93	3,851.43	1,401.42	1,182.03	219.39	6.388		
10,600.00	6,864.30	10,540.71	7,283.76	113.86	119.76	107.76	-264.55	3,938.35	1,397.65	1,172.91	224.74	6.219		
10,700.00	6,865.34	10,631.42	7,282.81	116.60	122.67	107.71	-261.95	4,029.02	1,394.68	1,164.45	230.23	6.058		
10,800.00	6,866.37	10,711.74	7,281.84	119.35	125.24	107.65	-260.50	4,109.32	1,392.68	1,157.26	235.42	5.916		
10,896.54	6,867.36	10,791.05	7,280.35	122.01	127.80	107.56	-260.43	4,188.61	1,392.12	1,151.61	240.51	5.788		
10,900.00	6,867.40	10,793.95	7,280.28	122.11	127.89	107.56	-260.45	4,191.52	1,392.12	1,151.43	240.70	5.784		
11,000.00	6,868.43	10,921.00	7,276.63	124.87	131.98	107.35	-261.01	4,318.50	1,391.92	1,144.42	247.50	5.624		
11,100.00	6,869.46	11,046.74	7,274.79	127.63	136.03	107.26	-257.33	4,444.17	1,388.69	1,134.64	254.04	5.466		
11,200.00	6,870.49	11,130.85	7,274.46	130.40	138.75	107.25	-254.48	4,528.23	1,385.43	1,126.04	259.39	5.341		
11,300.00	6,871.52	11,202.85	7,274.33	133.17	141.08	107.22	-253.25	4,600.22	1,383.84	1,119.49	264.35	5.235		
11,334.59	6,871.88	11,229.36	7,274.24	134.13	141.94	107.21	-253.18	4,626.73	1,383.75	1,117.64	266.10	5.200		
11,400.00	6,872.55	11,281.52	7,273.42	135.94	143.63	107.15	-253.64	4,678.88	1,384.06	1,114.54	269.52	5.135		
11,500.00	6,873.58	11,369.05	7,270.50	138.72	146.47	106.96	-255.85	4,766.33	1,385.56	1,110.48	275.09	5.037		
11,600.00	6,874.62	11,499.69	7,265.47	141.50	150.71	106.67	-258.83	4,896.84	1,386.86	1,104.56	282.30	4.913		
11,610.17	6,874.72	11,515.35	7,264.90	141.78	151.22	106.64	-258.90	4,912.48	1,386.80	1,103.71	283.10	4.899		
11,700.00	6,875.65	11,571.88	7,264.18	144.28	153.06	106.58	-259.69	4,969.00	1,387.57	1,100.28	287.28	4.830		
11,800.00	6,876.68	11,681.69	7,264.56	147.07	156.64	106.52	-261.38	5,078.80	1,389.28	1,095.76	293.52	4.733		
11,900.00	6,877.71	11,723.00	7,264.30	149.85	157.99	106.49	-261.70	5,120.11	1,391.36	1,094.26	297.10	4.683 SF		
12,000.00	6,878.74	11,723.00	7,264.30	152.65	157.99	106.49	-261.70	5,120.11	1,400.11	1,102.24	297.88	4.700		
12,100.00	6,879.77	11,723.00	7,264.30	155.44	157.99	106.49	-261.70	5,120.11	1,415.90	1,118.67	297.23	4.764		
12,200.00	6,880.80	11,723.00	7,264.30	158.23	157.99	106.49	-261.70	5,120.11	1,438.47	1,143.21	295.26	4.872		
12,300.00	6,881.83	11,723.00	7,264.30	161.03	157.99	106.49	-261.70	5,120.11	1,467.53	1,175.40	292.13	5.024		
12,400.00	6,882.86	11,723.00	7,264.30	163.83	157.99	106.49	-261.70	5,120.11	1,502.69	1,214.68	288.01	5.218		
12,500.00	6,883.89	11,723.00	7,264.30	166.63	157.99	106.49	-261.70	5,120.11	1,543.54	1,260.46	283.09	5.453		
12,600.00	6,884.93	11,723.00	7,264.30	169.43	157.99	106.49	-261.70	5,120.11	1,589.64	1,312.08	277.56	5.727		
12,700.00	6,885.96	11,723.00	7,264.30	172.24	157.99	106.49	-261.70	5,120.11	1,640.55	1,368.95	271.59	6.040		
12,800.00	6,886.99	11,723.00	7,264.30	175.04	157.99	106.49	-261.70	5,120.11	1,695.83	1,430.47	265.36	6.391		
12,900.00	6,888.02	11,723.00	7,264.30	177.85	157.99	106.49	-261.70	5,120.11	1,755.07	1,496.09	258.98	6.777		
13,000.00	6,889.05	11,723.00	7,264.30	180.66	157.99	106.49	-261.70	5,120.11	1,817.89	1,565.32	252.57	7.198		
13,100.00	6,890.08	11,723.00	7,264.30	183.47	157.99	106.49	-261.70	5,120.11	1,883.92	1,637.72	246.20	7.652		
13,200.00	6,891.11	11,723.00	7,264.30	186.28	157.99	106.49	-261.70	5,120.11	1,952.84	1,712.88	239.96	8.138		
13,300.00	6,892.14	11,723.00	7,264.30	189.10	157.99	106.49	-261.70	5,120.11	2,024.36	1,790.48	233.88	8.656		
13,400.00	6,893.17	11,723.00	7,264.30	191.91	157.99	106.49	-261.70	5,120.11	2,098.21	1,870.21	228.00	9.203		
13,500.00	6,894.21	11,723.00	7,264.30	194.73	157.99	106.49	-261.70	5,120.11	2,174.15	1,951.81	222.34	9.779		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,895.24	11,723.00	7,264.30	197.54	157.99	106.49	-261.70	5,120.11	2,251.97	2,035.05	216.91	10.382		
13,700.00	6,896.27	11,723.00	7,264.30	200.36	157.99	106.49	-261.70	5,120.11	2,331.48	2,119.75	211.73	11.012		
13,800.00	6,897.30	11,723.00	7,264.30	203.18	157.99	106.49	-261.70	5,120.11	2,412.51	2,205.73	206.78	11.667		
13,900.00	6,898.33	11,723.00	7,264.30	206.00	157.99	106.49	-261.70	5,120.11	2,494.93	2,292.85	202.08	12.346		
14,000.00	6,899.36	11,723.00	7,264.30	208.82	157.99	106.49	-261.70	5,120.11	2,578.59	2,380.98	197.61	13.049		
14,100.00	6,900.39	11,723.00	7,264.30	211.64	157.99	106.49	-261.70	5,120.11	2,663.37	2,470.01	193.36	13.774		
14,200.00	6,901.42	11,723.00	7,264.30	214.46	157.99	106.49	-261.70	5,120.11	2,749.18	2,559.85	189.33	14.520		
14,300.00	6,902.45	11,723.00	7,264.30	217.28	157.99	106.49	-261.70	5,120.11	2,835.92	2,650.41	185.51	15.287		
14,400.00	6,903.48	11,723.00	7,264.30	220.11	157.99	106.49	-261.70	5,120.11	2,923.50	2,741.62	181.88	16.074		
14,500.00	6,904.52	11,723.00	7,264.30	222.93	157.99	106.49	-261.70	5,120.11	3,011.86	2,833.42	178.44	16.879		
14,600.00	6,905.55	11,723.00	7,264.30	225.76	157.99	106.49	-261.70	5,120.11	3,100.93	2,925.75	175.18	17.701		
14,700.00	6,906.58	11,723.00	7,264.30	228.58	157.99	106.49	-261.70	5,120.11	3,190.64	3,018.56	172.08	18.541		
14,800.00	6,907.61	11,723.00	7,264.30	231.41	157.99	106.49	-261.70	5,120.11	3,280.95	3,111.80	169.15	19.397		
14,900.00	6,908.64	11,723.00	7,264.30	234.24	157.99	106.49	-261.70	5,120.11	3,371.80	3,205.45	166.36	20.269		
15,000.00	6,909.67	11,723.00	7,264.30	237.06	157.99	106.49	-261.70	5,120.11	3,463.16	3,299.46	163.71	21.155		
15,100.00	6,910.70	11,723.00	7,264.30	239.89	157.99	106.49	-261.70	5,120.11	3,554.99	3,393.80	161.19	22.055		
15,200.00	6,911.73	11,723.00	7,264.30	242.72	157.99	106.49	-261.70	5,120.11	3,647.24	3,488.45	158.79	22.968		
15,300.00	6,912.76	11,723.00	7,264.30	245.55	157.99	106.49	-261.70	5,120.11	3,739.90	3,583.38	156.52	23.894		
15,400.00	6,913.80	11,723.00	7,264.30	248.38	157.99	106.49	-261.70	5,120.11	3,832.92	3,678.57	154.35	24.833		
15,500.00	6,914.83	11,723.00	7,264.30	251.21	157.99	106.49	-261.70	5,120.11	3,926.28	3,774.00	152.29	25.782		
15,600.00	6,915.86	11,723.00	7,264.30	254.04	157.99	106.49	-261.70	5,120.11	4,019.97	3,869.65	150.32	26.743		
15,700.00	6,916.89	11,723.00	7,264.30	256.88	157.99	106.49	-261.70	5,120.11	4,113.95	3,965.50	148.45	27.713		
15,800.00	6,917.92	11,723.00	7,264.30	259.71	157.99	106.49	-261.70	5,120.11	4,208.21	4,061.55	146.66	28.694		
15,900.00	6,918.95	11,723.00	7,264.30	262.54	157.99	106.49	-261.70	5,120.11	4,302.73	4,157.77	144.95	29.684		
16,000.00	6,919.98	11,723.00	7,264.30	265.37	157.99	106.49	-261.70	5,120.11	4,397.49	4,254.16	143.32	30.682		
16,100.00	6,921.01	11,723.00	7,264.30	268.21	157.99	106.49	-261.70	5,120.11	4,492.47	4,350.71	141.77	31.689		
16,200.00	6,922.04	11,723.00	7,264.30	271.04	157.99	106.49	-261.70	5,120.11	4,587.68	4,447.39	140.28	32.703		
16,300.00	6,923.08	11,723.00	7,264.30	273.88	157.99	106.49	-261.70	5,120.11	4,683.08	4,544.22	138.86	33.725		
16,400.00	6,924.11	11,723.00	7,264.30	276.71	157.99	106.49	-261.70	5,120.11	4,778.67	4,641.16	137.50	34.753		
16,500.00	6,925.14	11,723.00	7,264.30	279.55	157.99	106.49	-261.70	5,120.11	4,874.43	4,738.23	136.20	35.789		
16,600.00	6,926.17	11,723.00	7,264.30	282.38	157.99	106.49	-261.70	5,120.11	4,970.36	4,835.41	134.95	36.830		
16,700.00	6,927.20	11,723.00	7,264.30	285.22	157.99	106.49	-261.70	5,120.11	5,066.45	4,932.69	133.76	37.877		
16,800.00	6,928.23	11,723.00	7,264.30	288.05	157.99	106.49	-261.70	5,120.11	5,162.69	5,030.08	132.62	38.929		
16,900.00	6,929.26	11,723.00	7,264.30	290.89	157.99	106.49	-261.70	5,120.11	5,259.07	5,127.55	131.52	39.987		
17,000.00	6,930.29	11,723.00	7,264.30	293.73	157.99	106.49	-261.70	5,120.11	5,355.58	5,225.12	130.47	41.049		
17,100.00	6,931.32	11,723.00	7,264.30	296.56	157.99	106.49	-261.70	5,120.11	5,452.22	5,322.76	129.46	42.116		
17,200.00	6,932.35	11,723.00	7,264.30	299.40	157.99	106.49	-261.70	5,120.11	5,548.98	5,420.49	128.49	43.186		
17,300.00	6,933.39	11,723.00	7,264.30	302.24	157.99	106.49	-261.70	5,120.11	5,645.85	5,518.29	127.56	44.261		
17,400.00	6,934.42	11,723.00	7,264.30	305.08	157.99	106.49	-261.70	5,120.11	5,742.83	5,616.16	126.66	45.339		
17,500.00	6,935.45	11,723.00	7,264.30	307.92	157.99	106.49	-261.70	5,120.11	5,839.90	5,714.10	125.81	46.420		
17,553.57	6,936.00	11,723.00	7,264.30	309.44	157.99	106.49	-261.70	5,120.11	5,891.95	5,766.59	125.36	47.001		
17,553.96	6,936.00	11,723.00	7,264.30	309.45	157.99	106.49	-261.70	5,120.11	5,892.33	5,766.97	125.36	47.005		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	102.43	-110.37	500.80	512.86				
100.00	100.00	95.84	95.83	3.28	3.30	102.48	-110.76	500.30	512.42	505.83	6.58	77.851	
200.00	200.00	197.71	197.70	3.34	3.37	102.62	-111.84	499.36	511.75	505.04	6.71	76.269	
300.00	300.00	301.39	301.36	3.44	3.51	102.81	-113.16	497.72	510.49	503.54	6.95	73.415	
400.00	399.98	404.81	404.74	3.60	3.69	107.19	-114.41	495.33	509.01	501.71	7.30	69.739	
500.00	499.84	509.49	509.37	3.81	3.93	107.97	-115.17	492.17	507.84	500.10	7.74	65.646	
552.55	552.23	559.54	559.39	3.94	4.05	108.48	-115.53	490.48	507.50	499.52	7.98	63.585 CC, ES	
600.00	599.45	603.70	603.53	4.06	4.17	109.01	-115.93	489.24	507.79	499.58	8.22	61.811	
700.00	698.70	698.12	697.92	4.34	4.44	110.38	-117.19	487.23	510.23	501.47	8.76	58.260	
775.00	772.83	768.65	768.43	4.57	4.66	111.61	-118.49	486.19	513.71	504.51	9.20	55.848	
800.00	797.48	792.08	791.86	4.65	4.73	112.07	-118.96	485.94	515.17	505.81	9.35	55.093	
900.00	896.11	881.49	881.23	4.97	5.02	113.82	-121.26	485.67	522.25	512.28	9.97	52.396	
1,000.00	994.74	977.47	977.15	5.31	5.34	115.69	-124.52	486.34	531.14	520.50	10.64	49.937	
1,100.00	1,093.37	1,076.66	1,076.28	5.68	5.68	117.60	-128.19	486.87	540.58	529.24	11.35	47.639	
1,200.00	1,192.00	1,189.29	1,188.80	6.06	6.09	119.81	-132.81	485.56	549.30	537.16	12.14	45.233	
1,300.00	1,290.63	1,265.31	1,264.77	6.45	6.37	121.16	-135.40	485.75	559.44	546.64	12.80	43.707	
1,400.00	1,389.26	1,377.12	1,376.49	6.86	6.79	122.93	-138.64	488.20	571.74	558.12	13.62	41.974	
1,500.00	1,487.88	1,493.35	1,492.55	7.27	7.25	125.11	-143.45	484.39	580.30	565.80	14.49	40.040	
1,600.00	1,586.51	1,605.31	1,604.13	7.69	7.71	127.41	-148.65	476.71	586.79	571.43	15.36	38.192	
1,700.00	1,685.14	1,700.93	1,699.14	8.11	8.11	129.56	-154.60	467.83	593.02	576.84	16.18	36.641	
1,800.00	1,783.77	1,786.23	1,783.79	8.54	8.48	131.57	-161.67	460.04	601.47	584.50	16.97	35.443	
1,900.00	1,882.40	1,870.04	1,866.83	8.97	8.86	133.59	-170.44	452.99	612.79	595.04	17.75	34.521	
2,000.00	1,981.03	1,943.17	1,939.17	9.41	9.19	135.36	-179.95	448.01	627.90	609.44	18.46	34.016	
2,100.00	2,079.66	2,030.37	2,025.34	9.84	9.60	137.35	-192.68	444.04	646.60	627.35	19.25	33.594	
2,200.00	2,178.28	2,123.27	2,117.34	10.29	10.03	139.21	-205.32	441.45	666.68	646.61	20.07	33.216	
2,300.00	2,276.91	2,233.85	2,227.10	10.73	10.53	141.13	-218.55	439.29	686.87	665.85	21.02	32.670	
2,400.00	2,375.54	2,330.63	2,323.28	11.18	10.98	142.70	-228.95	436.51	706.09	684.21	21.88	32.273	
2,500.00	2,474.17	2,443.18	2,435.00	11.62	11.51	144.57	-241.38	431.11	724.88	702.03	22.86	31.715	
2,600.00	2,572.80	2,543.05	2,534.02	12.07	11.99	146.28	-252.32	424.10	742.86	719.11	23.76	31.272	
2,700.00	2,671.43	2,636.78	2,626.74	12.52	12.45	147.93	-263.48	416.08	761.32	736.71	24.62	30.928	
2,800.00	2,770.05	2,730.24	2,719.04	12.97	12.92	149.57	-275.38	407.54	780.78	755.30	25.48	30.645	
2,900.00	2,868.68	2,828.77	2,816.51	13.43	13.41	151.15	-287.24	399.30	800.71	774.33	26.38	30.355	
3,000.00	2,967.31	2,923.47	2,910.42	13.88	13.88	152.46	-297.67	392.93	821.13	793.88	27.24	30.143	
3,100.00	3,065.94	3,021.49	3,007.78	14.34	14.36	153.65	-307.66	387.63	841.91	813.78	28.12	29.936	
3,200.00	3,164.57	3,117.97	3,103.63	14.79	14.82	154.77	-317.29	382.25	862.75	833.76	28.99	29.755	
3,300.00	3,263.20	3,205.54	3,190.49	15.25	15.26	155.80	-326.99	376.83	884.57	854.77	29.80	29.687	
3,400.00	3,361.83	3,299.66	3,283.68	15.71	15.73	156.93	-338.41	370.30	907.32	876.66	30.66	29.596	
3,500.00	3,460.45	3,407.39	3,390.45	16.17	16.27	158.14	-350.76	362.85	929.84	898.21	31.63	29.396	
3,600.00	3,559.08	3,511.51	3,493.98	16.62	16.78	159.08	-360.36	357.49	951.35	918.79	32.56	29.215	
3,700.00	3,657.71	3,598.84	3,580.86	17.08	17.20	159.81	-368.29	353.54	973.21	939.86	33.36	29.177	
3,800.00	3,756.34	3,675.78	3,657.25	17.54	17.57	160.46	-376.64	349.96	996.80	962.74	34.06	29.270	
3,900.00	3,854.97	3,746.56	3,727.28	18.00	17.94	161.11	-386.23	346.18	1,022.72	988.03	34.69	29.484	
4,000.00	3,953.60	3,826.47	3,806.01	18.46	18.36	161.87	-399.01	341.44	1,050.83	1,015.43	35.40	29.684	
4,100.00	4,052.23	3,916.10	3,894.21	18.92	18.85	162.70	-414.15	336.35	1,080.07	1,043.85	36.21	29.824	
4,200.00	4,150.85	4,022.47	3,998.97	19.39	19.42	163.60	-431.69	330.68	1,109.31	1,072.11	37.20	29.817	
4,300.00	4,249.48	4,151.37	4,126.52	19.85	20.08	164.49	-449.50	325.48	1,136.71	1,098.31	38.40	29.602	
4,400.00	4,348.11	4,251.60	4,226.02	20.31	20.58	165.05	-461.22	322.44	1,162.57	1,123.27	39.30	29.581	
4,500.00	4,446.74	4,348.65	4,322.39	20.77	21.06	165.58	-472.27	319.44	1,188.23	1,148.06	40.17	29.577	
4,600.00	4,545.37	4,447.68	4,420.59	21.23	21.56	166.18	-484.10	314.54	1,213.97	1,172.90	41.07	29.557	
4,700.00	4,644.00	4,555.94	4,527.99	21.70	22.11	166.83	-496.16	308.41	1,238.85	1,196.79	42.06	29.457	
4,800.00	4,742.63	4,648.81	4,620.09	22.16	22.58	167.40	-506.61	302.51	1,263.79	1,220.89	42.90	29.457	
4,900.00	4,841.25	4,739.02	4,709.58	22.62	23.04	167.91	-516.70	297.38	1,288.98	1,245.26	43.72	29.480	

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,000.00	4,939.88	4,821.71	4,791.63	23.09	23.45	168.29	-526.47	294.30	1,315.31	1,270.84	44.47	29.579		
5,100.00	5,038.51	4,951.68	4,920.84	23.55	24.09	168.78	-540.17	291.19	1,340.89	1,295.26	45.63	29.385		
5,200.00	5,137.14	5,103.93	5,072.65	24.02	24.79	169.24	-551.00	287.91	1,363.39	1,316.47	46.93	29.055		
5,300.00	5,235.77	5,247.15	5,215.81	24.48	25.38	169.48	-554.76	287.62	1,382.03	1,333.97	48.06	28.756		
5,400.00	5,334.40	5,393.80	5,362.45	24.94	25.94	169.70	-553.99	286.38	1,397.61	1,348.46	49.15	28.436		
5,500.00	5,433.03	5,506.92	5,475.51	25.41	26.35	169.88	-551.07	284.54	1,411.00	1,360.96	50.04	28.199		
5,600.00	5,531.65	5,604.87	5,573.38	25.87	26.70	170.06	-547.86	282.08	1,423.51	1,372.65	50.86	27.986		
5,700.00	5,630.28	5,681.57	5,650.05	26.34	26.97	170.18	-545.99	280.96	1,437.12	1,385.52	51.60	27.852		
5,800.00	5,728.91	5,758.00	5,726.47	26.80	27.25	170.23	-545.17	281.72	1,452.52	1,400.21	52.31	27.765		
5,900.00	5,827.54	5,869.80	5,838.24	27.27	27.66	170.28	-543.86	283.20	1,467.97	1,414.77	53.21	27.590		
6,000.00	5,926.17	5,940.25	5,908.69	27.73	27.93	170.36	-543.72	283.06	1,484.00	1,430.11	53.89	27.535		
6,100.00	6,024.80	6,069.63	6,038.06	28.20	28.43	170.53	-543.11	282.04	1,499.56	1,444.65	54.91	27.308		
6,200.00	6,123.43	6,155.49	6,123.92	28.66	28.76	170.63	-542.65	281.81	1,515.22	1,459.54	55.69	27.209		
6,272.77	6,195.20	6,257.54	6,225.94	29.00	29.14	170.75	-540.94	280.90	1,525.66	1,469.21	56.45	27.025		
6,300.00	6,222.05	6,281.34	6,249.74	29.13	29.23	155.93	-540.41	280.70	1,529.33	1,472.66	56.67	26.988		
6,350.00	6,271.23	6,324.92	6,293.32	29.36	29.39	132.93	-539.51	280.56	1,535.52	1,478.47	57.05	26.915		
6,400.00	6,319.99	6,374.87	6,343.25	29.58	29.57	117.83	-538.48	280.80	1,540.91	1,483.46	57.45	26.820		
6,450.00	6,368.01	6,424.85	6,393.21	29.79	29.75	108.52	-537.27	281.58	1,545.39	1,487.54	57.85	26.712		
6,500.00	6,415.02	6,473.86	6,442.15	29.99	29.92	102.64	-535.77	283.67	1,549.00	1,490.77	58.23	26.599		
6,550.00	6,460.71	6,523.10	6,491.17	30.18	30.10	98.82	-533.78	287.85	1,551.80	1,493.18	58.62	26.474		
6,600.00	6,504.81	6,542.77	6,510.67	30.36	30.16	95.89	-533.04	290.29	1,554.28	1,495.44	58.84	26.414		
6,650.00	6,547.04	6,564.57	6,532.20	30.53	30.23	93.79	-532.42	293.68	1,556.82	1,497.75	59.07	26.355		
6,700.00	6,587.14	6,586.22	6,553.45	30.69	30.30	92.23	-532.02	297.76	1,559.43	1,500.14	59.30	26.299		
6,750.00	6,624.87	6,614.00	6,580.51	30.83	30.39	91.17	-531.82	304.04	1,562.17	1,502.61	59.57	26.225		
6,800.00	6,660.00	6,637.04	6,602.73	30.96	30.47	90.33	-531.80	310.12	1,564.91	1,505.09	59.82	26.161		
6,850.00	6,692.30	6,664.00	6,628.45	31.07	30.55	89.80	-531.80	318.20	1,567.55	1,507.43	60.12	26.074		
6,900.00	6,721.58	6,682.11	6,645.49	31.23	30.60	89.26	-531.94	324.32	1,570.37	1,509.98	60.39	26.002		
6,950.00	6,747.66	6,709.00	6,670.31	31.56	30.68	89.04	-532.69	334.64	1,573.68	1,512.91	60.77	25.897		
7,000.00	6,770.37	6,709.00	6,670.31	31.92	30.68	88.31	-532.69	334.64	1,577.15	1,516.15	60.99	25.858		
7,050.00	6,789.58	6,736.20	6,694.89	32.33	30.76	88.30	-533.90	346.21	1,580.99	1,519.52	61.47	25.720		
7,100.00	6,805.17	6,757.90	6,714.22	32.78	30.81	88.24	-535.07	355.99	1,585.11	1,523.15	61.96	25.584		
7,150.00	6,817.03	6,778.96	6,732.74	33.27	30.87	88.23	-536.37	365.94	1,589.55	1,527.05	62.49	25.436		
7,200.00	6,825.11	6,804.00	6,754.42	33.80	30.94	88.38	-538.14	378.36	1,594.36	1,531.25	63.10	25.266		
7,250.00	6,829.35	6,935.85	6,862.80	34.37	31.23	91.62	-543.27	453.01	1,597.98	1,533.53	64.45	24.795		
7,273.12	6,830.00	6,959.04	6,880.52	34.65	31.27	92.10	-543.60	467.97	1,599.46	1,534.64	64.82	24.674		
7,300.00	6,830.28	6,987.79	6,901.77	34.98	31.33	92.86	-543.91	487.34	1,601.24	1,535.97	65.27	24.532		
7,400.00	6,831.31	7,123.21	6,991.43	36.32	31.52	96.02	-543.30	588.59	1,607.74	1,540.43	67.31	23.886		
7,500.00	6,832.34	7,211.68	7,040.73	37.83	31.80	97.74	-542.63	662.00	1,615.13	1,545.82	69.31	23.301		
7,600.00	6,833.37	7,291.67	7,078.32	39.49	32.59	99.03	-543.53	732.57	1,624.31	1,552.79	71.52	22.710		
7,700.00	6,834.40	7,377.46	7,112.00	41.27	33.60	100.16	-546.32	811.40	1,635.03	1,560.96	74.07	22.074		
7,800.00	6,835.44	7,601.31	7,154.00	43.17	37.12	101.47	-553.96	1,029.83	1,641.82	1,562.56	79.27	20.712		
7,900.00	6,836.47	7,900.00	7,159.11	45.17	43.00	101.57	-556.05	1,189.64	1,643.94	1,556.97	86.97	18.902		
8,000.00	6,837.50	7,924.15	7,157.92	47.26	43.72	101.50	-551.97	1,352.46	1,641.05	1,551.36	89.69	18.297		
8,100.00	6,838.53	8,037.98	7,154.63	49.43	46.39	101.37	-547.93	1,466.17	1,637.21	1,542.76	94.45	17.333		
8,200.00	6,839.56	8,150.37	7,153.47	51.66	49.16	101.32	-542.37	1,578.41	1,632.34	1,532.98	99.36	16.428		
8,300.00	6,840.59	8,249.04	7,153.93	53.95	51.69	101.34	-536.88	1,676.92	1,627.18	1,523.07	104.10	15.630		
8,400.00	6,841.62	8,354.94	7,155.35	56.29	54.49	101.39	-530.75	1,782.63	1,621.97	1,512.84	109.14	14.862		
8,500.00	6,842.65	8,445.61	7,156.45	58.67	56.95	101.43	-525.54	1,873.14	1,616.78	1,502.86	113.92	14.192		
8,600.00	6,843.68	8,510.01	7,156.80	61.10	58.74	101.44	-522.75	1,937.49	1,612.90	1,494.76	118.14	13.652		
8,700.00	6,844.71	8,580.77	7,156.89	63.56	60.73	101.42	-521.53	2,008.23	1,611.34	1,488.78	122.56	13.147		
8,800.00	6,845.75	8,680.65	7,157.24	66.05	63.59	101.40	-520.53	2,108.11	1,610.63	1,482.80	127.83	12.600		
8,900.00	6,846.78	8,793.42	7,157.07	68.58	66.86	101.36	-518.83	2,220.86	1,609.31	1,475.78	133.53	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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,847.81	8,888.94	7,157.06	71.12	69.67	101.34	-517.00	2,316.37	1,607.64	1,468.83	138.81	11.582		
9,100.00	6,848.84	8,985.40	7,157.21	73.69	72.54	101.32	-515.68	2,412.82	1,606.52	1,462.35	144.17	11.143		
9,200.00	6,849.87	9,095.66	7,156.56	76.28	75.85	101.26	-513.98	2,523.06	1,605.10	1,455.12	149.98	10.702		
9,300.00	6,850.90	9,210.33	7,153.04	78.89	79.32	101.11	-511.83	2,637.65	1,602.87	1,446.87	156.00	10.275		
9,400.00	6,851.93	9,294.64	7,151.51	81.51	81.90	101.03	-509.98	2,721.93	1,600.59	1,439.41	161.18	9.931		
9,500.00	6,852.96	9,398.07	7,151.96	84.15	85.08	101.02	-507.90	2,825.34	1,598.91	1,432.01	166.90	9.580		
9,600.00	6,853.99	9,522.78	7,154.27	86.80	88.93	101.09	-503.48	2,949.94	1,595.94	1,422.74	173.21	9.214		
9,700.00	6,855.03	9,604.85	7,155.14	89.46	91.48	101.11	-500.67	3,031.95	1,593.00	1,414.62	178.38	8.930		
9,800.00	6,856.06	9,680.45	7,154.71	92.14	93.84	101.07	-499.37	3,107.54	1,591.40	1,408.01	183.39	8.678		
9,900.00	6,857.09	9,813.38	7,153.83	94.83	98.00	101.00	-496.64	3,240.43	1,589.45	1,399.34	190.10	8.361		
10,000.00	6,858.12	9,910.74	7,152.84	97.52	101.06	100.95	-493.98	3,337.75	1,586.77	1,390.96	195.81	8.104		
10,100.00	6,859.15	10,006.19	7,153.75	100.23	104.08	100.97	-490.67	3,433.14	1,583.77	1,382.34	201.44	7.862		
10,200.00	6,860.18	10,075.00	7,154.22	102.94	106.25	100.96	-489.53	3,501.93	1,582.42	1,376.12	206.30	7.670		
10,300.00	6,861.21	10,192.42	7,154.19	105.66	109.99	100.93	-488.24	3,619.35	1,581.58	1,368.92	212.66	7.437		
10,400.00	6,862.24	10,296.18	7,153.54	108.39	113.29	100.88	-486.00	3,723.08	1,579.54	1,360.93	218.61	7.225		
10,500.00	6,863.27	10,372.68	7,154.25	111.12	115.74	100.88	-484.83	3,799.56	1,578.43	1,354.69	223.74	7.055		
10,518.22	6,863.46	10,385.61	7,154.39	111.62	116.15	100.88	-484.76	3,812.49	1,578.40	1,353.76	224.64	7.026		
10,600.00	6,864.30	10,443.65	7,154.29	113.86	118.01	100.85	-485.09	3,870.53	1,579.02	1,350.35	228.66	6.905		
10,700.00	6,865.34	10,564.32	7,151.76	116.60	121.89	100.70	-486.62	3,991.16	1,580.12	1,344.82	235.30	6.715		
10,800.00	6,866.37	10,670.45	7,150.36	119.35	125.30	100.61	-486.83	4,097.28	1,580.30	1,338.86	241.43	6.545		
10,900.00	6,867.40	10,776.56	7,149.09	122.11	128.72	100.53	-486.16	4,203.38	1,579.66	1,332.09	247.57	6.381		
11,000.00	6,868.43	10,883.14	7,149.79	124.87	132.16	100.52	-485.41	4,309.95	1,579.32	1,325.65	253.67	6.226		
11,100.00	6,869.46	10,973.39	7,151.93	127.63	135.08	100.57	-483.56	4,400.16	1,578.03	1,318.79	259.24	6.087		
11,115.32	6,869.62	10,982.89	7,152.12	128.05	135.38	100.57	-483.49	4,409.65	1,578.00	1,318.04	259.96	6.070		
11,200.00	6,870.49	11,040.07	7,152.96	130.40	137.24	100.58	-483.82	4,466.82	1,578.84	1,314.79	264.05	5.979		
11,300.00	6,871.52	11,133.63	7,153.98	133.17	140.27	100.57	-485.37	4,560.37	1,580.88	1,311.13	269.76	5.860		
11,400.00	6,872.55	11,248.97	7,153.80	135.94	144.02	100.50	-487.00	4,675.69	1,582.44	1,306.18	276.27	5.728		
11,500.00	6,873.58	11,363.82	7,153.06	138.72	147.75	100.43	-487.89	4,790.54	1,583.33	1,300.57	282.76	5.600		
11,600.00	6,874.62	11,486.29	7,151.39	141.50	151.74	100.32	-487.28	4,913.00	1,582.80	1,293.32	289.48	5.468		
11,700.00	6,875.65	11,613.06	7,148.61	144.28	155.86	100.19	-484.92	5,039.71	1,580.81	1,284.51	296.30	5.335		
11,782.21	6,876.49	11,650.00	7,147.72	146.57	157.06	100.15	-484.04	5,076.63	1,579.21	1,279.33	299.89	5.266		
11,800.00	6,876.68	11,650.00	7,147.72	147.07	157.06	100.15	-484.04	5,076.63	1,579.31	1,278.96	300.36	5.258		
11,900.00	6,877.71	11,650.00	7,147.72	149.85	157.06	100.15	-484.04	5,076.63	1,583.60	1,281.28	302.32	5.238 SF		
12,000.00	6,878.74	11,650.00	7,147.72	152.65	157.06	100.15	-484.04	5,076.63	1,594.16	1,291.02	303.14	5.259		
12,100.00	6,879.77	11,650.00	7,147.72	155.44	157.06	100.15	-484.04	5,076.63	1,610.87	1,308.03	302.84	5.319		
12,200.00	6,880.80	11,650.00	7,147.72	158.23	157.06	100.15	-484.04	5,076.63	1,633.54	1,332.05	301.49	5.418		
12,300.00	6,881.83	11,650.00	7,147.72	161.03	157.06	100.15	-484.04	5,076.63	1,661.93	1,362.73	299.20	5.555		
12,400.00	6,882.86	11,650.00	7,147.72	163.83	157.06	100.15	-484.04	5,076.63	1,695.75	1,399.67	296.08	5.727		
12,500.00	6,883.89	11,650.00	7,147.72	166.63	157.06	100.15	-484.04	5,076.63	1,734.69	1,442.41	292.27	5.935		
12,600.00	6,884.93	11,650.00	7,147.72	169.43	157.06	100.15	-484.04	5,076.63	1,778.40	1,490.50	287.90	6.177		
12,700.00	6,885.96	11,650.00	7,147.72	172.24	157.06	100.15	-484.04	5,076.63	1,826.54	1,543.45	283.09	6.452		
12,800.00	6,886.99	11,650.00	7,147.72	175.04	157.06	100.15	-484.04	5,076.63	1,878.78	1,600.82	277.96	6.759		
12,900.00	6,888.02	11,650.00	7,147.72	177.85	157.06	100.15	-484.04	5,076.63	1,934.78	1,662.16	272.62	7.097		
13,000.00	6,889.05	11,650.00	7,147.72	180.66	157.06	100.15	-484.04	5,076.63	1,994.22	1,727.07	267.15	7.465		
13,100.00	6,890.08	11,650.00	7,147.72	183.47	157.06	100.15	-484.04	5,076.63	2,056.81	1,795.18	261.63	7.861		
13,200.00	6,891.11	11,650.00	7,147.72	186.28	157.06	100.15	-484.04	5,076.63	2,122.27	1,866.14	256.13	8.286		
13,300.00	6,892.14	11,650.00	7,147.72	189.10	157.06	100.15	-484.04	5,076.63	2,190.34	1,939.66	250.69	8.737		
13,400.00	6,893.17	11,650.00	7,147.72	191.91	157.06	100.15	-484.04	5,076.63	2,260.79	2,015.44	245.34	9.215		
13,500.00	6,894.21	11,650.00	7,147.72	194.73	157.06	100.15	-484.04	5,076.63	2,333.39	2,093.26	240.13	9.717		
13,600.00	6,895.24	11,650.00	7,147.72	197.54	157.06	100.15	-484.04	5,076.63	2,407.96	2,172.89	235.07	10.244		
13,700.00	6,896.27	11,650.00	7,147.72	200.36	157.06	100.15	-484.04	5,076.63	2,484.32	2,254.14	230.17	10.793		
13,800.00	6,897.30	11,650.00	7,147.72	203.18	157.06	100.15	-484.04	5,076.63	2,562.30	2,336.85	225.45	11.365		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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-MWDD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,898.33	11,650.00	7,147.72	206.00	157.06	100.15	-484.04	5,076.63	2,641.77	2,420.86	220.90	11.959		
14,000.00	6,899.36	11,650.00	7,147.72	208.82	157.06	100.15	-484.04	5,076.63	2,722.59	2,506.05	216.54	12.573		
14,100.00	6,900.39	11,650.00	7,147.72	211.64	157.06	100.15	-484.04	5,076.63	2,804.65	2,592.29	212.36	13.207		
14,200.00	6,901.42	11,650.00	7,147.72	214.46	157.06	100.15	-484.04	5,076.63	2,887.84	2,679.49	208.35	13.861		
14,300.00	6,902.45	11,650.00	7,147.72	217.28	157.06	100.15	-484.04	5,076.63	2,972.07	2,767.55	204.51	14.532		
14,400.00	6,903.48	11,650.00	7,147.72	220.11	157.06	100.15	-484.04	5,076.63	3,057.24	2,856.39	200.85	15.222		
14,500.00	6,904.52	11,650.00	7,147.72	222.93	157.06	100.15	-484.04	5,076.63	3,143.29	2,945.95	197.34	15.928		
14,600.00	6,905.55	11,650.00	7,147.72	225.76	157.06	100.15	-484.04	5,076.63	3,230.15	3,036.15	194.00	16.651		
14,700.00	6,906.58	11,650.00	7,147.72	228.58	157.06	100.15	-484.04	5,076.63	3,317.74	3,126.94	190.80	17.389		
14,800.00	6,907.61	11,650.00	7,147.72	231.41	157.06	100.15	-484.04	5,076.63	3,406.02	3,218.28	187.74	18.142		
14,900.00	6,908.64	11,650.00	7,147.72	234.24	157.06	100.15	-484.04	5,076.63	3,494.93	3,310.11	184.82	18.910		
15,000.00	6,909.67	11,650.00	7,147.72	237.06	157.06	100.15	-484.04	5,076.63	3,584.42	3,402.39	182.03	19.691		
15,100.00	6,910.70	11,650.00	7,147.72	239.89	157.06	100.15	-484.04	5,076.63	3,674.46	3,495.09	179.37	20.486		
15,200.00	6,911.73	11,650.00	7,147.72	242.72	157.06	100.15	-484.04	5,076.63	3,765.00	3,588.18	176.82	21.293		
15,300.00	6,912.76	11,650.00	7,147.72	245.55	157.06	100.15	-484.04	5,076.63	3,856.00	3,681.62	174.39	22.112		
15,400.00	6,913.80	11,650.00	7,147.72	248.38	157.06	100.15	-484.04	5,076.63	3,947.44	3,775.39	172.06	22.943		
15,500.00	6,914.83	11,650.00	7,147.72	251.21	157.06	100.15	-484.04	5,076.63	4,039.29	3,869.46	169.83	23.785		
15,600.00	6,915.86	11,650.00	7,147.72	254.04	157.06	100.15	-484.04	5,076.63	4,131.52	3,963.82	167.69	24.637		
15,700.00	6,916.89	11,650.00	7,147.72	256.88	157.06	100.15	-484.04	5,076.63	4,224.10	4,058.44	165.65	25.500		
15,800.00	6,917.92	11,650.00	7,147.72	259.71	157.06	100.15	-484.04	5,076.63	4,317.01	4,153.31	163.70	26.372		
15,900.00	6,918.95	11,650.00	7,147.72	262.54	157.06	100.15	-484.04	5,076.63	4,410.23	4,248.40	161.82	27.253		
16,000.00	6,919.98	11,650.00	7,147.72	265.37	157.06	100.15	-484.04	5,076.63	4,503.74	4,343.71	160.03	28.144		
16,100.00	6,921.01	11,650.00	7,147.72	268.21	157.06	100.15	-484.04	5,076.63	4,597.52	4,439.22	158.30	29.042		
16,200.00	6,922.04	11,650.00	7,147.72	271.04	157.06	100.15	-484.04	5,076.63	4,691.56	4,534.91	156.65	29.949		
16,300.00	6,923.08	11,650.00	7,147.72	273.88	157.06	100.15	-484.04	5,076.63	4,785.85	4,630.78	155.06	30.864		
16,400.00	6,924.11	11,650.00	7,147.72	276.71	157.06	100.15	-484.04	5,076.63	4,880.36	4,726.82	153.54	31.785		
16,500.00	6,925.14	11,650.00	7,147.72	279.55	157.06	100.15	-484.04	5,076.63	4,975.08	4,823.00	152.08	32.714		
16,600.00	6,926.17	11,650.00	7,147.72	282.38	157.06	100.15	-484.04	5,076.63	5,070.01	4,919.34	150.67	33.649		
16,700.00	6,927.20	11,650.00	7,147.72	285.22	157.06	100.15	-484.04	5,076.63	5,165.13	5,015.81	149.32	34.590		
16,800.00	6,928.23	11,650.00	7,147.72	288.05	157.06	100.15	-484.04	5,076.63	5,260.43	5,112.40	148.03	35.537		
16,900.00	6,929.26	11,650.00	7,147.72	290.89	157.06	100.15	-484.04	5,076.63	5,355.90	5,209.12	146.78	36.490		
17,000.00	6,930.29	11,650.00	7,147.72	293.73	157.06	100.15	-484.04	5,076.63	5,451.54	5,305.96	145.57	37.449		
17,100.00	6,931.32	11,650.00	7,147.72	296.56	157.06	100.15	-484.04	5,076.63	5,547.32	5,402.91	144.42	38.412		
17,200.00	6,932.35	11,650.00	7,147.72	299.40	157.06	100.15	-484.04	5,076.63	5,643.26	5,499.95	143.30	39.380		
17,300.00	6,933.39	11,650.00	7,147.72	302.24	157.06	100.15	-484.04	5,076.63	5,739.33	5,597.10	142.23	40.353		
17,400.00	6,934.42	11,650.00	7,147.72	305.08	157.06	100.15	-484.04	5,076.63	5,835.53	5,694.34	141.20	41.330		
17,500.00	6,935.45	11,650.00	7,147.72	307.92	157.06	100.15	-484.04	5,076.63	5,931.87	5,791.67	140.20	42.311		
17,553.57	6,936.00	11,650.00	7,147.72	309.44	157.06	100.15	-484.04	5,076.63	5,983.52	5,843.84	139.68	42.838		
17,553.96	6,936.00	11,650.00	7,147.72	309.45	157.06	100.15	-484.04	5,076.63	5,983.89	5,844.22	139.68	42.841		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	94.02	-35.69	508.31	509.61					
100.00	100.00	98.63	98.62	3.28	3.29	94.05	-35.92	507.75	509.05	502.48	6.57	77.452		
200.00	200.00	201.94	201.93	3.34	3.32	94.13	-36.54	506.05	507.44	500.78	6.66	76.199		
300.00	300.00	299.50	299.47	3.44	3.41	94.11	-36.28	504.54	505.88	499.03	6.86	73.762		
400.00	399.98	397.25	397.20	3.60	3.55	98.10	-34.59	503.69	505.14	497.99	7.16	70.599		
456.75	456.67	453.68	453.59	3.72	3.65	98.17	-32.67	503.38	505.04	497.68	7.36	68.580		
500.00	499.84	495.97	495.83	3.81	3.74	98.22	-30.54	503.25	505.13	497.59	7.54	66.982		
600.00	599.45	594.99	594.55	4.06	3.97	98.31	-22.87	503.39	505.94	497.93	8.01	63.170		
700.00	698.70	693.44	692.62	4.34	4.23	98.65	-14.25	503.71	507.38	498.83	8.55	59.354		
775.00	772.83	768.53	767.42	4.57	4.45	99.15	-7.71	504.20	509.08	500.08	9.00	56.574		
800.00	797.48	794.55	793.33	4.65	4.54	99.35	-5.24	504.31	509.64	500.48	9.16	55.644		
900.00	896.11	899.20	897.29	4.97	4.89	99.93	6.70	504.40	511.37	501.52	9.84	51.948		
1,000.00	994.74	1,007.97	1,004.72	5.31	5.30	100.04	23.60	503.58	511.86	501.25	10.61	48.247		
1,100.00	1,093.37	1,110.24	1,105.28	5.68	5.74	99.85	42.18	501.86	511.14	499.73	11.41	44.814		
1,200.00	1,192.00	1,209.61	1,202.90	6.06	6.18	99.62	60.67	500.11	510.30	498.07	12.23	41.721		
1,300.00	1,290.63	1,308.03	1,299.60	6.45	6.64	99.39	78.91	498.62	509.72	496.64	13.08	38.965		
1,400.00	1,389.26	1,410.76	1,400.59	6.86	7.13	99.19	97.63	496.93	509.04	495.07	13.97	36.426		
1,500.00	1,487.88	1,514.01	1,502.36	7.27	7.63	99.18	114.87	494.27	507.59	492.71	14.88	34.112		
1,600.00	1,586.51	1,614.09	1,600.98	7.69	8.12	99.15	131.71	491.73	506.17	490.38	15.78	32.069		
1,700.00	1,685.14	1,715.85	1,701.39	8.11	8.63	99.24	147.88	488.34	504.03	487.32	16.70	30.174		
1,800.00	1,783.77	1,808.29	1,792.50	8.54	9.09	99.23	163.32	486.08	502.71	485.12	17.59	28.572		
1,826.00	1,809.41	1,831.83	1,815.70	8.65	9.21	99.22	167.28	485.76	502.65	484.82	17.83	28.199		
1,900.00	1,882.40	1,901.37	1,884.25	8.97	9.57	99.19	178.96	485.40	503.07	484.57	18.50	27.195		
2,000.00	1,981.03	2,000.06	1,981.41	9.41	10.08	99.05	196.27	485.45	504.16	484.71	19.45	25.926		
2,100.00	2,079.66	2,105.80	2,085.19	9.84	10.64	98.72	216.50	485.40	505.03	484.58	20.45	24.694		
2,200.00	2,178.28	2,218.40	2,195.89	10.29	11.25	98.51	236.96	482.91	503.82	482.33	21.49	23.448		
2,300.00	2,276.91	2,320.68	2,296.45	10.73	11.80	98.38	255.15	478.84	500.87	478.40	22.47	22.286		
2,400.00	2,375.54	2,415.00	2,388.90	11.18	12.32	98.06	273.57	475.67	498.43	474.98	23.44	21.260		
2,500.00	2,474.17	2,510.46	2,482.69	11.62	12.85	97.84	291.23	473.48	497.12	472.71	24.42	20.360		
2,549.36	2,522.85	2,555.44	2,526.88	11.84	13.09	97.73	299.57	472.79	496.87	471.98	24.89	19.964		
2,600.00	2,572.80	2,600.38	2,570.96	12.07	13.35	97.57	308.33	472.63	497.16	471.79	25.37	19.600		
2,700.00	2,671.43	2,702.03	2,670.45	12.52	13.92	97.08	329.14	473.00	498.43	472.03	26.40	18.882		
2,800.00	2,770.05	2,805.98	2,772.18	12.97	14.52	96.59	350.48	472.52	498.89	471.44	27.45	18.175		
2,900.00	2,868.68	2,912.12	2,876.09	13.43	15.13	96.11	372.08	470.70	498.14	469.62	28.51	17.470		
3,000.00	2,967.31	3,009.68	2,971.69	13.88	15.69	95.72	391.50	469.02	497.42	467.89	29.53	16.845		
3,100.00	3,065.94	3,112.37	3,072.38	14.34	16.27	95.36	411.47	466.70	496.21	465.64	30.57	16.234		
3,200.00	3,164.57	3,209.43	3,167.74	14.79	16.81	95.12	429.51	465.04	495.58	464.01	31.57	15.698		
3,300.00	3,263.20	3,308.29	3,264.92	15.25	17.36	94.92	447.52	463.08	494.70	462.13	32.58	15.186		
3,315.41	3,278.39	3,321.95	3,278.36	15.32	17.44	94.90	449.97	462.90	494.68	461.95	32.72	15.117		
3,400.00	3,361.83	3,400.95	3,356.12	15.71	17.87	94.79	463.91	462.68	495.37	461.82	33.54	14.768		
3,500.00	3,460.45	3,501.96	3,455.57	16.17	18.43	94.66	481.60	462.56	496.38	461.82	34.56	14.364		
3,600.00	3,559.08	3,603.77	3,555.87	16.62	18.98	94.58	499.06	462.24	497.20	461.62	35.57	13.977		
3,700.00	3,657.71	3,704.08	3,654.75	17.08	19.53	94.54	515.91	461.48	497.58	461.00	36.58	13.603		
3,800.00	3,756.34	3,803.88	3,752.75	17.54	20.09	94.26	534.76	461.00	498.21	460.61	37.60	13.249		
3,900.00	3,854.97	3,906.41	3,853.26	18.00	20.68	93.86	554.98	460.18	498.54	459.88	38.66	12.896		
4,000.00	3,953.60	4,010.33	3,955.15	18.46	21.28	93.48	575.41	458.66	498.23	458.51	39.72	12.543		
4,100.00	4,052.23	4,111.15	4,054.12	18.92	21.86	93.18	594.51	456.59	497.34	456.58	40.76	12.202		
4,200.00	4,150.85	4,218.18	4,159.29	19.39	22.46	92.94	614.18	453.78	495.89	454.08	41.82	11.858		
4,280.52	4,230.27	4,287.33	4,227.26	19.76	22.86	92.80	626.74	452.06	494.85	452.26	42.59	11.619		
4,300.00	4,249.48	4,303.68	4,243.32	19.85	22.95	92.75	629.82	451.92	494.91	452.14	42.77	11.571		
4,400.00	4,348.11	4,403.71	4,341.54	20.31	23.52	92.47	648.74	451.67	495.86	452.06	43.81	11.320		
4,500.00	4,446.74	4,507.02	4,443.10	20.77	24.10	92.25	667.65	450.75	496.16	451.31	44.85	11.062		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
4,600.00	4,545.37	4,612.15	4,546.53	21.23	24.69	92.07	686.42	448.93	495.62	449.71	45.90	10.797		
4,640.12	4,584.94	4,647.01	4,580.82	21.42	24.88	92.02	692.65	448.39	495.46	449.17	46.29	10.704		
4,700.00	4,644.00	4,700.91	4,633.81	21.70	25.19	91.90	702.51	448.08	495.83	448.97	46.86	10.580		
4,800.00	4,742.63	4,804.06	4,735.26	22.16	25.77	91.71	721.17	447.76	496.72	448.81	47.91	10.368		
4,900.00	4,841.25	4,906.98	4,836.55	22.62	26.34	91.56	739.36	446.86	497.04	448.09	48.95	10.154		
5,000.00	4,939.88	5,008.89	4,936.95	23.09	26.90	91.48	756.82	445.25	496.63	446.65	49.97	9.938		
5,032.32	4,971.76	5,039.24	4,966.87	23.24	27.06	91.48	761.84	444.85	496.56	446.27	50.29	9.874		
5,100.00	5,038.51	5,105.31	5,032.06	23.55	27.42	91.50	772.54	444.32	496.78	445.82	50.96	9.748		
5,200.00	5,137.14	5,209.28	5,134.43	24.02	28.00	91.38	790.67	443.00	496.69	444.69	52.00	9.552		
5,300.00	5,235.77	5,313.54	5,237.11	24.48	28.58	91.28	808.66	440.87	495.84	442.79	53.04	9.348		
5,400.00	5,334.40	5,409.82	5,331.74	24.94	29.12	91.07	826.22	438.33	494.44	440.38	54.05	9.147		
5,423.07	5,357.15	5,430.04	5,351.61	25.05	29.24	91.03	829.95	438.02	494.37	440.09	54.28	9.108		
5,500.00	5,433.03	5,504.36	5,424.69	25.41	29.66	90.88	843.48	437.54	494.81	439.76	55.05	8.988		
5,600.00	5,531.65	5,609.55	5,528.34	25.87	30.23	90.81	861.36	436.39	494.89	438.79	56.10	8.822		
5,700.00	5,630.28	5,708.77	5,626.37	26.34	30.76	90.94	876.56	434.61	494.17	437.09	57.09	8.657		
5,800.00	5,728.91	5,812.78	5,729.58	26.80	31.27	91.45	889.30	433.20	493.77	435.71	58.06	8.505		
5,900.00	5,827.54	5,912.12	5,828.46	27.27	31.73	92.28	898.56	431.02	492.45	433.49	58.97	8.351		
5,990.06	5,916.36	5,997.99	5,914.19	27.69	32.08	93.41	903.00	429.80	492.00	432.28	59.72	8.238		
6,000.00	5,926.17	6,007.41	5,923.62	27.73	32.11	93.56	903.29	429.70	492.01	432.20	59.80	8.227		
6,100.00	6,024.80	6,099.72	6,015.91	28.20	32.44	95.21	904.33	429.40	492.95	432.40	60.55	8.141		
6,200.00	6,123.43	6,200.29	6,116.47	28.66	32.76	97.23	903.32	429.80	495.21	433.91	61.30	8.079		
6,272.77	6,195.20	6,268.14	6,184.32	29.00	32.98	98.56	902.92	429.90	497.02	435.23	61.80	8.043		
6,300.00	6,222.05	6,292.53	6,208.71	29.13	33.06	98.50	902.72	430.13	497.42	435.45	61.98	8.026		
6,350.00	6,271.23	6,338.41	6,254.58	29.36	33.21	98.83	902.31	430.86	495.57	433.27	62.30	7.954		
6,400.00	6,319.99	6,385.24	6,301.41	29.58	33.36	98.94	902.10	431.85	490.23	427.60	62.62	7.828		
6,450.00	6,368.01	6,423.67	6,338.82	29.79	33.49	99.05	902.13	432.96	491.58	418.74	62.84	7.663		
6,500.00	6,415.02	6,452.96	6,369.04	29.99	33.59	99.32	902.32	434.87	470.95	408.08	62.88	7.490		
6,550.00	6,460.71	6,482.33	6,398.24	30.18	33.69	99.69	902.68	437.97	458.61	395.81	62.80	7.303		
6,600.00	6,504.81	6,505.00	6,420.68	30.36	33.77	99.96	903.06	441.18	444.65	382.26	62.39	7.127		
6,650.00	6,547.04	6,532.49	6,447.63	30.53	33.87	99.98	903.82	446.50	429.46	367.48	61.98	6.929		
6,700.00	6,587.14	6,555.33	6,469.66	30.69	33.95	99.99	904.81	452.41	413.48	352.28	61.20	6.756		
6,750.00	6,624.87	6,578.65	6,491.73	30.83	34.03	99.99	906.14	459.84	396.69	336.46	60.23	6.587		
6,800.00	6,660.00	6,605.00	6,516.03	30.96	34.13	99.99	908.04	469.84	379.11	319.87	59.24	6.399		
6,850.00	6,692.30	6,651.96	6,559.05	31.07	34.29	99.99	911.24	488.40	359.11	299.38	59.74	6.012		
6,900.00	6,721.58	6,696.59	6,600.15	31.23	34.44	99.99	913.62	505.61	335.80	275.61	60.18	5.580		
6,950.00	6,747.66	6,743.73	6,643.89	31.56	34.60	99.99	915.86	523.05	309.18	248.16	61.02	5.067		
7,000.00	6,770.37	6,768.14	6,666.42	31.92	34.68	99.99	916.85	532.37	280.78	220.63	60.15	4.668		
7,050.00	6,789.58	6,790.00	6,686.29	32.33	34.76	99.99	917.44	541.48	252.21	193.33	58.88	4.283		
7,100.00	6,805.17	6,814.70	6,708.23	32.78	34.82	99.99	917.55	552.81	224.28	166.31	57.96	3.869		
7,150.00	6,817.03	6,837.00	6,727.45	33.27	34.89	99.99	916.94	564.10	198.18	141.18	57.00	3.477		
7,200.00	6,825.11	6,862.63	6,748.85	33.80	34.95	99.99	915.66	578.14	174.99	117.72	57.27	3.055		
7,250.00	6,829.35	6,889.27	6,770.37	34.37	35.01	99.99	913.93	593.74	156.40	97.35	59.05	2.649		
7,273.12	6,830.00	6,903.15	6,781.32	34.65	35.03	99.99	912.99	602.21	149.93	89.30	60.63	2.473		
7,300.00	6,830.28	6,919.69	6,794.19	34.98	35.07	99.99	911.91	612.56	144.70	82.05	62.65	2.310		
7,335.85	6,830.65	6,943.21	6,812.10	35.46	35.12	99.99	910.48	627.72	142.17	76.95	65.23	2.180 CC		
7,400.00	6,831.31	6,989.59	6,846.07	36.32	35.21	99.99	908.06	659.21	149.47	81.72	67.76	2.206		
7,500.00	6,832.34	7,075.85	6,903.17	37.83	35.41	117.87	904.08	723.65	180.97	114.78	66.19	2.734		
7,600.00	6,833.37	7,179.07	6,959.90	39.49	35.72	131.77	902.49	809.79	217.22	155.19	62.03	3.502		
7,700.00	6,834.40	7,310.00	7,017.55	41.27	36.36	141.49	901.60	927.03	251.78	194.53	57.25	4.398		
7,800.00	6,835.44	7,446.75	7,049.07	43.17	37.70	145.84	904.05	1,059.81	268.65	213.17	55.48	4.842		
7,900.00	6,836.47	7,560.42	7,059.85	45.17	39.34	146.76	903.32	1,172.96	276.16	219.14	57.02	4.843		
8,000.00	6,837.50	7,663.78	7,068.31	47.26	41.15	147.67	904.21	1,275.97	281.95	223.35	58.60	4.811		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,100.00	6,838.53	7,784.49	7,068.91	49.43	43.58	147.66	905.07	1,396.62	280.99	219.37	61.62	4.560		
8,200.00	6,839.56	7,883.61	7,069.56	51.66	45.75	148.17	908.67	1,495.67	278.96	215.23	63.73	4.377		
8,300.00	6,840.59	7,985.40	7,069.71	53.95	48.13	148.78	913.07	1,597.36	276.16	210.32	65.84	4.195		
8,400.00	6,841.62	8,082.38	7,069.60	56.29	50.50	149.20	916.52	1,694.27	273.56	205.50	68.06	4.019		
8,500.00	6,842.65	8,182.02	7,068.92	58.67	53.02	149.00	916.85	1,793.91	272.13	200.93	71.21	3.822		
8,597.79	6,843.66	8,275.18	7,068.83	61.05	55.46	149.01	917.90	1,887.06	270.85	196.89	73.96	3.662		
8,600.00	6,843.68	8,277.20	7,068.86	61.10	55.51	149.01	917.92	1,889.08	270.85	196.84	74.01	3.660		
8,700.00	6,844.71	8,374.96	7,071.04	63.56	58.14	149.17	918.51	1,986.81	271.77	195.05	76.72	3.542		
8,800.00	6,845.75	8,474.64	7,072.07	66.05	60.88	148.87	917.27	2,086.48	272.62	192.41	80.22	3.399		
8,900.00	6,846.78	8,576.03	7,073.58	68.58	63.72	148.75	916.72	2,187.85	273.51	189.93	83.58	3.273		
9,000.00	6,847.81	8,680.30	7,074.19	71.12	66.69	148.64	916.80	2,292.12	273.31	186.22	87.08	3.139		
9,100.00	6,848.84	8,778.98	7,073.77	73.69	69.55	148.37	916.60	2,390.80	272.38	181.69	90.69	3.003		
9,158.70	6,849.44	8,836.14	7,073.77	75.21	71.22	148.20	916.21	2,447.96	272.21	179.36	92.85	2.932		
9,200.00	6,849.87	8,876.30	7,073.63	76.28	72.40	147.95	915.33	2,488.11	272.30	177.71	94.59	2.879		
9,300.00	6,850.90	8,978.58	7,072.58	78.89	75.43	147.10	912.30	2,590.34	272.37	172.83	99.53	2.736		
9,400.00	6,851.93	9,082.51	7,070.42	81.51	78.54	146.20	909.75	2,694.21	271.36	166.60	104.76	2.590		
9,500.00	6,852.96	9,189.49	7,066.81	84.15	81.77	145.51	909.45	2,801.13	268.09	158.27	109.81	2.441		
9,600.00	6,853.99	9,287.23	7,062.60	86.80	84.75	144.93	910.20	2,898.77	263.51	149.08	114.43	2.303		
9,700.00	6,855.03	9,377.86	7,063.46	89.46	87.53	145.21	912.21	2,989.36	262.34	145.26	117.08	2.241		
9,743.01	6,855.47	9,423.72	7,064.50	90.62	88.94	145.50	913.64	3,035.18	262.11	143.97	118.14	2.219		
9,800.00	6,856.06	9,482.10	7,065.12	92.14	90.75	145.80	915.49	3,093.53	261.24	141.62	119.62	2.184		
9,900.00	6,857.09	9,580.56	7,064.90	94.83	93.80	145.74	916.43	3,191.98	259.90	136.65	123.26	2.109		
10,000.00	6,858.12	9,679.81	7,065.27	97.52	96.90	145.70	917.04	3,291.23	259.24	132.31	126.93	2.042		
10,100.00	6,859.15	9,780.24	7,065.47	100.23	100.04	145.68	917.92	3,391.65	258.29	127.69	130.60	1.978		
10,200.00	6,860.18	9,879.53	7,066.07	102.94	103.16	145.73	918.88	3,490.94	257.63	123.54	134.09	1.921		
10,300.00	6,861.21	9,979.04	7,066.02	105.66	106.30	145.48	918.69	3,590.44	257.07	118.77	138.30	1.859		
10,400.00	6,862.24	10,082.37	7,066.17	108.39	109.57	145.36	919.07	3,693.78	256.38	113.94	142.43	1.800		
10,500.00	6,863.27	10,185.24	7,064.61	111.12	112.83	145.16	920.24	3,796.63	253.87	107.12	146.75	1.730		
10,600.00	6,864.30	10,285.89	7,062.84	113.86	116.04	145.02	921.89	3,897.25	250.87	100.04	150.83	1.663		
10,700.00	6,865.34	10,380.70	7,060.95	116.60	119.06	144.60	922.02	3,992.04	248.57	93.07	155.50	1.598		
10,800.00	6,866.37	10,480.12	7,060.50	119.35	122.24	144.22	921.49	4,091.45	247.92	87.64	160.28	1.547		
10,900.00	6,867.40	10,582.08	7,060.53	122.11	125.51	144.20	922.53	4,193.40	246.75	82.52	164.23	1.502		
11,000.00	6,868.43	10,679.06	7,060.80	124.87	128.62	144.24	923.69	4,290.38	245.69	77.93	167.76	1.465 Level 3		
11,021.70	6,868.65	10,699.85	7,061.00	125.46	129.29	144.25	923.81	4,311.17	245.64	77.12	168.52	1.458 Level 3		
11,100.00	6,869.46	10,774.69	7,062.09	127.63	131.70	144.21	923.67	4,386.00	246.20	74.77	171.42	1.436 Level 3		
11,200.00	6,870.49	10,881.69	7,062.65	130.40	135.14	143.97	923.24	4,492.99	246.27	69.91	176.35	1.396 Level 3		
11,300.00	6,871.52	10,981.73	7,061.77	133.17	138.37	143.71	923.66	4,593.02	244.72	63.71	181.01	1.352 Level 3		
11,356.76	6,872.11	11,034.95	7,061.75	134.74	140.09	143.60	923.74	4,646.24	244.31	60.96	183.35	1.332 Level 3		
11,400.00	6,872.55	11,077.06	7,062.17	135.94	141.45	143.54	923.58	4,688.35	244.50	59.34	185.16	1.320 Level 3		
11,500.00	6,873.58	11,180.49	7,062.80	138.72	144.80	143.47	923.94	4,791.78	244.20	54.73	189.47	1.289 Level 3		
11,600.00	6,874.62	11,281.80	7,062.95	141.50	148.08	143.54	925.40	4,893.07	242.88	49.69	193.18	1.257 Level 3		
11,700.00	6,875.65	11,380.24	7,063.86	144.28	151.27	143.91	927.84	4,991.48	241.57	45.84	195.72	1.234 Level 2		
11,800.00	6,876.68	11,478.86	7,065.44	147.07	154.48	144.23	929.52	5,090.07	241.26	42.87	198.40	1.216 Level 2		
11,900.00	6,877.71	11,581.22	7,064.68	149.85	157.80	143.71	928.56	5,192.42	240.63	36.43	204.21	1.178 Level 2		
12,000.00	6,878.74	11,684.70	7,062.83	152.65	161.17	143.19	928.42	5,295.88	238.69	28.56	210.13	1.136 Level 2		
12,100.00	6,879.77	11,781.49	7,061.18	155.44	164.32	142.89	929.24	5,392.66	236.26	21.24	215.02	1.099 Level 2		
12,200.00	6,880.80	11,881.43	7,061.09	158.23	167.58	142.74	929.73	5,492.59	235.31	15.79	219.53	1.072 Level 2		
12,288.37	6,881.71	11,966.74	7,061.09	160.71	170.36	142.64	930.24	5,577.89	234.50	11.26	223.25	1.050 Level 2		
12,300.00	6,881.83	11,977.75	7,061.09	161.03	170.72	142.59	930.11	5,588.90	234.52	10.66	223.86	1.048 Level 2		
12,400.00	6,882.86	12,077.62	7,061.03	163.83	173.98	141.99	928.27	5,688.76	235.03	4.91	230.12	1.021 Level 2		
12,500.00	6,883.89	12,181.06	7,060.46	166.63	177.36	141.45	927.19	5,792.19	234.70	-1.73	236.43	0.993 Level 1		
12,600.00	6,884.93	12,280.31	7,059.95	169.43	180.60	141.14	927.20	5,891.44	233.74	-7.94	241.68	0.967 Level 1		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
12,700.00	6,885.96	12,381.93	7,060.06	172.24	183.93	141.18	928.56	5,993.05	232.44	-13.26	245.70	0.946	Level 1	
12,800.00	6,886.99	12,478.57	7,061.19	175.04	187.09	141.42	930.08	6,089.67	231.82	-16.83	248.64	0.932	Level 1	
12,900.00	6,888.02	12,578.49	7,063.40	177.85	190.36	141.99	932.49	6,189.53	231.51	-18.84	250.35	0.925	Level 1	
12,900.02	6,888.02	12,578.50	7,063.41	177.85	190.36	141.99	932.49	6,189.55	231.51	-18.84	250.35	0.925	Level 1	
13,000.00	6,889.05	12,675.06	7,065.81	180.66	193.52	142.19	932.81	6,286.07	232.69	-20.61	253.30	0.919	Level 1	
13,100.00	6,890.08	12,780.50	7,066.44	183.47	196.98	141.93	932.26	6,391.50	232.92	-25.89	258.81	0.900	Level 1	
13,200.00	6,891.11	12,883.57	7,065.54	186.28	200.36	141.68	932.96	6,494.56	231.25	-32.82	264.07	0.876	Level 1	
13,300.00	6,892.14	12,986.12	7,064.05	189.10	203.73	141.50	934.48	6,597.09	228.64	-40.38	269.02	0.850	Level 1	
13,400.00	6,893.17	13,085.03	7,061.45	191.91	206.97	141.13	935.92	6,695.95	225.13	-49.59	274.72	0.819	Level 1	
13,500.00	6,894.21	13,186.92	7,059.76	194.73	210.31	140.89	937.34	6,797.83	222.44	-57.55	279.99	0.794	Level 1	
13,600.00	6,895.24	13,284.51	7,057.67	197.54	213.52	140.79	939.77	6,895.36	218.68	-65.81	284.49	0.769	Level 1	
13,700.00	6,896.27	13,379.85	7,057.04	200.36	216.65	140.57	940.39	6,990.69	217.21	-72.23	289.44	0.750	Level 1	
13,743.98	6,896.72	13,422.68	7,057.13	201.60	218.06	140.44	940.23	7,033.53	217.16	-74.64	291.79	0.744	Level 1	
13,800.00	6,897.30	13,479.05	7,057.24	203.18	219.91	140.25	939.93	7,089.89	217.13	-77.90	295.03	0.736	Level 1	
13,834.59	6,897.66	13,513.85	7,057.25	204.15	221.06	140.13	939.75	7,124.69	217.07	-80.01	297.08	0.731	Level 1	
13,900.00	6,898.33	13,572.82	7,058.17	206.00	223.00	139.97	938.97	7,183.65	218.05	-81.97	300.02	0.727	Level 1	
14,000.00	6,899.36	13,672.61	7,061.19	208.82	226.28	139.76	936.60	7,283.36	221.37	-83.88	305.25	0.725	Level 1	
14,100.00	6,900.39	13,775.70	7,062.72	211.64	229.68	139.28	934.21	7,386.41	223.49	-88.58	312.07	0.716	Level 1	
14,200.00	6,901.42	13,879.03	7,062.68	214.46	233.08	138.64	932.27	7,489.72	224.19	-95.55	319.74	0.701	Level 1	
14,300.00	6,902.45	13,982.15	7,060.90	217.28	236.48	137.76	930.65	7,592.81	223.45	-105.09	328.54	0.680	Level 1	
14,400.00	6,903.48	14,082.94	7,059.34	220.11	239.80	137.19	930.45	7,693.58	221.96	-113.80	335.75	0.661	Level 1	
14,500.00	6,904.52	14,185.44	7,057.24	222.93	243.18	136.77	931.56	7,796.06	219.24	-123.13	342.37	0.640	Level 1	
14,600.00	6,905.55	14,279.87	7,056.90	225.76	246.29	136.61	932.38	7,890.48	217.89	-129.42	347.31	0.627	Level 1	
14,700.00	6,906.58	14,382.57	7,056.71	228.58	249.68	136.40	932.87	7,993.18	216.97	-136.01	352.98	0.615	Level 1	
14,800.00	6,907.61	14,483.06	7,054.79	231.41	252.99	135.89	933.46	8,093.65	214.72	-145.34	360.07	0.596	Level 1	
14,855.24	6,908.18	14,534.39	7,054.72	232.97	254.68	135.79	933.72	8,144.97	214.22	-148.64	362.86	0.590	Level 1	
14,900.00	6,908.64	14,578.61	7,055.36	234.24	256.14	135.82	933.87	8,189.19	214.38	-150.29	364.67	0.588	Level 1	
15,000.00	6,909.67	14,680.30	7,055.97	237.06	259.50	135.72	934.19	8,290.87	214.14	-155.67	369.82	0.579	Level 1	
15,100.00	6,910.70	14,781.42	7,056.84	239.89	262.83	135.85	935.45	8,391.98	213.43	-160.26	373.69	0.571	Level 1	
15,200.00	6,911.73	14,881.05	7,056.73	242.72	266.12	135.76	936.51	8,491.61	212.16	-166.48	378.64	0.560	Level 1	
15,300.00	6,912.76	14,979.97	7,058.14	245.55	269.39	136.02	937.88	8,590.50	211.76	-169.89	381.65	0.555	Level 1	
15,400.00	6,913.80	15,082.13	7,058.56	248.38	272.76	135.99	938.76	8,692.66	211.01	-175.41	386.41	0.546	Level 1	
15,500.00	6,914.83	15,182.06	7,057.42	251.21	276.06	135.61	939.33	8,792.58	209.35	-183.67	393.02	0.533	Level 1	
15,600.00	6,915.86	15,283.18	7,057.25	254.04	279.40	135.52	940.51	8,893.69	207.96	-190.08	398.04	0.522	Level 1	
15,700.00	6,916.89	15,385.93	7,055.26	256.88	282.79	135.12	941.91	8,996.42	205.18	-199.73	404.90	0.507	Level 1	
15,800.00	6,917.92	15,483.21	7,052.70	259.71	286.00	134.39	942.20	9,093.65	202.68	-210.86	413.54	0.490	Level 1	
15,900.00	6,918.95	15,582.01	7,051.47	262.54	289.27	133.95	942.69	9,192.45	201.03	-219.57	420.59	0.478	Level 1	
16,000.00	6,919.98	15,680.69	7,051.25	265.37	292.53	133.70	943.14	9,291.13	200.12	-226.43	426.55	0.469	Level 1	
16,100.00	6,921.01	15,781.88	7,050.46	268.21	295.88	133.18	942.86	9,392.31	199.38	-234.86	434.24	0.459	Level 1	
16,200.00	6,922.04	15,883.64	7,047.87	271.04	299.24	132.29	942.68	9,494.03	197.37	-246.73	444.11	0.444	Level 1	
16,300.00	6,923.08	15,982.06	7,045.17	273.88	302.50	131.28	942.05	9,592.42	195.64	-258.89	454.54	0.430	Level 1	
16,400.00	6,924.11	16,081.82	7,044.03	276.71	305.80	130.70	941.93	9,692.17	194.62	-268.03	462.64	0.421	Level 1	
16,500.00	6,925.14	16,182.29	7,042.55	279.55	309.12	130.08	942.04	9,792.62	193.23	-277.82	471.05	0.410	Level 1	
16,600.00	6,926.17	16,282.84	7,041.43	282.38	312.45	129.60	942.55	9,893.17	191.78	-286.85	478.63	0.401	Level 1	
16,700.00	6,927.20	16,383.98	7,038.97	285.22	315.79	128.73	942.68	9,994.27	189.81	-298.71	488.52	0.389	Level 1	
16,795.34	6,928.18	16,479.60	7,036.16	287.92	318.95	127.81	943.00	10,089.86	187.52	-310.90	498.42	0.376	Level 1, ES, SF	
16,800.00	6,928.23	16,474.00	7,036.32	288.05	318.77	127.87	942.98	10,084.26	187.69	-309.69	497.38	0.377	Level 1	
16,900.00	6,929.26	16,474.00	7,036.32	290.89	318.77	127.87	942.98	10,084.26	215.35	-216.62	431.98	0.499	Level 1	
17,000.00	6,930.29	16,474.00	7,036.32	293.73	318.77	127.87	942.98	10,084.26	278.44	-56.75	335.19	0.831	Level 1	
17,100.00	6,931.32	16,474.00	7,036.32	296.56	318.77	127.87	942.98	10,084.26	358.71	95.95	262.76	1.365	Level 3	
17,200.00	6,932.35	16,474.00	7,036.32	299.40	318.77	127.87	942.98	10,084.26	447.02	232.71	214.30	2.086		
17,300.00	6,933.39	16,474.00	7,036.32	302.24	318.77	127.87	942.98	10,084.26	539.42	357.87	181.55	2.971		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - SRC Wiedeman #21-5-3CHZ - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 168-MWD													
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
17,400.00	6,934.42	16,474.00	7,036.32	305.08	318.77	127.87	942.98	10,084.26	634.13	475.45	158.68	3.996	
17,500.00	6,935.45	16,474.00	7,036.32	307.92	318.77	127.87	942.98	10,084.26	730.26	588.05	142.20	5.135	
17,553.57	6,936.00	16,474.00	7,036.32	309.44	318.77	127.87	942.98	10,084.26	782.15	646.92	135.23	5.784	
17,553.96	6,936.00	16,474.00	7,036.32	309.45	318.77	127.87	942.98	10,084.26	782.53	647.34	135.18	5.789	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	95.71	-50.62	506.64	509.21					
100.00	100.00	93.19	93.19	3.28	3.29	95.72	-50.76	506.61	509.15	502.57	6.57	77.483		
200.00	200.00	194.26	194.26	3.34	3.32	95.77	-51.22	506.48	509.06	502.41	6.65	76.510		
300.00	300.00	297.79	297.79	3.44	3.41	95.88	-52.08	505.79	508.49	501.63	6.86	74.135		
400.00	399.98	397.63	397.62	3.60	3.56	100.13	-52.74	504.69	507.77	500.61	7.16	70.895		
500.00	499.84	500.64	500.61	3.81	3.76	100.82	-53.38	503.44	507.58	500.02	7.56	67.114		
544.11	543.82	545.28	545.25	3.91	3.86	101.26	-53.73	502.67	507.52	499.76	7.76	65.368		
600.00	599.45	601.27	601.22	4.06	3.99	101.90	-54.10	501.66	507.64	499.60	8.04	63.163		
700.00	698.70	696.90	696.85	4.34	4.24	103.19	-54.17	500.31	508.91	500.35	8.56	59.458		
775.00	772.83	773.62	773.55	4.57	4.46	104.39	-53.69	499.44	510.73	501.73	9.00	56.742		
800.00	797.48	799.26	799.19	4.65	4.53	104.83	-53.49	499.05	511.37	502.22	9.15	55.859		
900.00	896.11	899.01	898.92	4.97	4.83	106.44	-51.64	497.63	514.08	504.29	9.79	52.523		
1,000.00	994.74	998.67	998.49	5.31	5.15	107.82	-47.92	496.42	516.95	506.49	10.46	49.443		
1,100.00	1,093.37	1,095.25	1,094.95	5.68	5.47	108.99	-43.04	495.82	520.33	509.19	11.14	46.692		
1,200.00	1,192.00	1,192.93	1,192.45	6.06	5.81	110.03	-37.09	496.06	524.48	512.62	11.86	44.208		
1,300.00	1,290.63	1,296.95	1,296.24	6.45	6.19	111.06	-30.18	496.07	528.42	515.79	12.63	41.828		
1,400.00	1,389.26	1,407.95	1,406.77	6.86	6.61	111.90	-20.13	495.20	531.02	517.56	13.46	39.463		
1,500.00	1,487.88	1,518.12	1,515.94	7.27	7.05	112.28	-5.47	493.42	531.56	517.26	14.30	37.166		
1,600.00	1,586.51	1,624.40	1,621.02	7.69	7.50	112.54	10.14	490.45	530.55	515.40	15.16	35.008		
1,700.00	1,685.14	1,728.96	1,724.44	8.11	7.96	112.88	25.03	486.32	528.61	512.60	16.02	33.007		
1,800.00	1,783.77	1,828.20	1,822.64	8.54	8.40	113.31	38.48	481.57	526.13	509.27	16.87	31.194		
1,900.00	1,882.40	1,922.06	1,915.61	8.97	8.82	113.74	50.72	477.65	524.43	506.72	17.71	29.615		
2,000.00	1,981.03	2,019.30	2,011.86	9.41	9.26	114.05	64.31	475.01	523.80	505.23	18.57	28.201		
2,100.00	2,079.66	2,117.93	2,109.64	9.84	9.72	114.48	77.03	472.16	523.41	503.96	19.45	26.913		
2,151.20	2,130.15	2,167.99	2,159.30	10.07	9.95	114.74	83.11	470.70	523.35	503.45	19.89	26.306		
2,200.00	2,178.28	2,215.47	2,206.44	10.29	10.16	115.01	88.63	469.34	523.41	503.09	20.32	25.759		
2,300.00	2,276.91	2,325.79	2,315.86	10.73	10.68	115.58	102.13	465.67	522.96	501.71	21.25	24.614		
2,400.00	2,375.54	2,424.54	2,413.44	11.18	11.16	115.83	116.89	462.25	521.36	499.22	22.15	23.540		
2,500.00	2,474.17	2,527.20	2,514.86	11.62	11.66	116.09	132.33	458.60	519.67	496.60	23.07	22.526		
2,600.00	2,572.80	2,623.13	2,609.49	12.07	12.14	116.18	147.84	455.97	518.29	494.31	23.98	21.614		
2,700.00	2,671.43	2,729.70	2,714.32	12.52	12.69	116.10	166.79	453.20	516.43	491.48	24.94	20.704		
2,800.00	2,770.05	2,827.20	2,810.27	12.97	13.19	116.09	183.80	449.73	513.82	487.94	25.88	19.856		
2,866.07	2,835.22	2,883.23	2,865.43	13.27	13.48	116.06	193.51	448.70	513.17	486.71	26.46	19.392		
2,900.00	2,868.68	2,915.88	2,897.59	13.43	13.65	116.02	199.17	448.54	513.26	486.48	26.78	19.165		
3,000.00	2,967.31	3,019.32	2,999.49	13.88	14.18	115.93	216.94	447.60	513.20	485.45	27.75	18.494		
3,100.00	3,065.94	3,122.60	3,101.33	14.34	14.71	115.97	233.94	445.53	512.40	483.68	28.71	17.846		
3,200.00	3,164.57	3,225.53	3,202.96	14.79	15.24	116.14	250.01	442.57	511.11	481.45	29.67	17.229		
3,300.00	3,263.20	3,323.08	3,299.34	15.25	15.74	116.38	264.71	439.09	509.41	478.82	30.60	16.649		
3,400.00	3,361.83	3,422.15	3,397.25	15.71	16.25	116.59	279.61	436.63	508.72	477.18	31.53	16.132		
3,500.00	3,460.45	3,519.11	3,493.09	16.17	16.75	116.83	294.04	433.78	507.69	475.22	32.47	15.637		
3,520.17	3,480.35	3,537.44	3,511.18	16.26	16.84	116.84	296.92	433.47	507.65	475.00	32.65	15.548		
3,600.00	3,559.08	3,617.26	3,589.96	16.62	17.26	116.87	309.77	432.62	507.82	474.41	33.41	15.198		
3,700.00	3,657.71	3,721.21	3,692.61	17.08	17.80	117.00	326.03	430.64	507.44	473.05	34.39	14.758		
3,800.00	3,756.34	3,827.38	3,797.37	17.54	18.36	117.13	343.01	427.68	506.11	470.75	35.36	14.312		
3,900.00	3,854.97	3,931.98	3,900.46	18.00	18.91	117.26	360.22	423.66	503.63	467.29	36.33	13.862		
4,000.00	3,953.60	4,032.85	3,999.90	18.46	19.45	117.43	376.61	419.09	500.60	463.31	37.29	13.425		
4,100.00	4,052.23	4,129.18	4,094.98	18.92	19.96	117.70	391.37	414.64	497.87	459.64	38.23	13.024		
4,200.00	4,150.85	4,228.42	4,193.13	19.39	20.47	118.13	405.25	409.95	495.60	456.45	39.15	12.657		
4,300.00	4,249.48	4,329.32	4,293.04	19.85	20.98	118.71	418.30	404.65	493.33	453.25	40.07	12.310		
4,368.43	4,316.98	4,386.19	4,349.40	20.16	21.27	119.00	425.60	402.42	492.63	451.97	40.67	12.113 CC		
4,400.00	4,348.11	4,413.13	4,376.10	20.31	21.40	119.12	429.11	401.82	492.78	451.84	40.94	12.037		
4,500.00	4,446.74	4,509.92	4,472.22	20.77	21.87	119.66	440.32	399.83	494.08	452.25	41.84	11.810		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
4,600.00	4,545.37	4,597.77	4,559.67	21.23	22.28	120.35	448.41	398.48	496.94	454.29	42.65	11.651		
4,700.00	4,644.00	4,697.94	4,659.56	21.70	22.73	121.27	455.88	397.42	501.13	457.60	43.52	11.514		
4,800.00	4,742.63	4,789.26	4,750.75	22.16	23.13	122.35	460.45	395.94	506.11	461.81	44.30	11.424		
4,900.00	4,841.25	4,879.99	4,841.45	22.62	23.49	123.67	462.24	394.64	512.96	467.94	45.03	11.392		
5,000.00	4,939.88	4,978.61	4,940.06	23.09	23.86	125.21	462.52	393.32	521.08	475.27	45.81	11.375		
5,100.00	5,038.51	5,078.32	5,039.76	23.55	24.25	126.68	463.18	392.01	529.38	482.77	46.61	11.358		
5,200.00	5,137.14	5,177.98	5,139.40	24.02	24.64	128.14	463.66	390.36	537.85	490.44	47.41	11.345		
5,300.00	5,235.77	5,276.04	5,239.44	24.48	25.03	129.60	464.04	388.38	546.45	498.23	48.21	11.334		
5,400.00	5,334.40	5,374.06	5,335.45	24.94	25.40	130.97	464.14	386.49	555.56	506.58	48.98	11.343		
5,500.00	5,433.03	5,474.70	5,436.07	25.41	25.79	132.35	464.26	384.58	565.03	515.24	49.80	11.347		
5,600.00	5,531.65	5,573.96	5,535.30	25.87	26.18	133.59	465.40	382.80	574.25	523.64	50.61	11.346		
5,700.00	5,630.28	5,659.11	5,620.44	26.34	26.52	134.51	466.36	382.99	585.23	533.95	51.28	11.413		
5,800.00	5,728.91	5,757.10	5,718.38	26.80	26.91	135.34	468.15	385.39	597.60	545.50	52.10	11.470		
5,900.00	5,827.54	5,861.99	5,823.19	27.27	27.33	136.11	471.17	388.07	609.45	556.43	53.02	11.496		
6,000.00	5,926.17	5,961.64	5,922.84	27.73	27.72	137.12	471.85	388.11	621.09	567.24	53.85	11.534		
6,100.00	6,024.80	6,066.18	6,027.37	28.20	28.13	138.24	472.25	386.99	632.33	577.60	54.74	11.552		
6,200.00	6,123.43	6,158.45	6,119.63	28.66	28.50	139.18	473.02	385.67	643.25	587.76	55.49	11.592		
6,272.77	6,195.20	6,213.67	6,174.84	29.00	28.71	139.77	472.21	385.44	652.99	597.12	55.87	11.687		
6,300.00	6,222.05	6,239.34	6,200.50	29.13	28.81	125.30	471.53	385.57	656.66	600.59	56.07	11.711		
6,350.00	6,271.23	6,290.83	6,251.98	29.36	29.00	103.10	470.87	386.40	661.27	604.77	56.50	11.704		
6,400.00	6,319.99	6,332.75	6,293.88	29.58	29.16	88.71	471.00	387.78	663.31	606.52	56.79	11.680		
6,450.00	6,368.01	6,366.11	6,327.16	29.79	29.28	79.96	471.19	390.01	663.83	606.90	56.93	11.660		
6,500.00	6,415.02	6,399.43	6,360.30	29.99	29.41	74.67	471.38	393.41	663.04	605.99	57.05	11.622		
6,550.00	6,460.71	6,429.64	6,390.21	30.18	29.52	71.39	471.57	397.62	661.07	603.99	57.08	11.581		
6,600.00	6,504.81	6,458.58	6,418.63	30.36	29.62	69.38	471.82	403.05	658.22	601.16	57.06	11.535		
6,650.00	6,547.04	6,487.74	6,446.96	30.53	29.72	68.26	472.15	409.94	654.55	597.52	57.03	11.477		
6,700.00	6,587.14	6,517.37	6,475.38	30.69	29.82	67.80	472.54	418.33	650.13	593.11	57.02	11.403		
6,750.00	6,624.87	6,547.22	6,503.70	30.83	29.92	67.88	472.70	427.76	645.01	587.98	57.03	11.309		
6,800.00	6,660.00	6,576.82	6,531.47	30.96	30.02	68.38	472.60	437.98	639.33	582.24	57.09	11.199		
6,850.00	6,692.30	6,607.20	6,559.63	31.07	30.11	69.29	472.22	449.37	633.23	575.99	57.24	11.063		
6,900.00	6,721.58	6,641.60	6,591.00	31.23	30.21	70.69	471.86	463.49	626.66	569.04	57.62	10.876		
6,950.00	6,747.66	6,676.26	6,621.96	31.56	30.32	72.38	471.73	479.07	619.66	561.54	58.12	10.662		
7,000.00	6,770.37	6,708.20	6,649.86	31.92	30.41	74.17	471.79	494.62	612.45	553.78	58.67	10.439		
7,050.00	6,789.58	6,736.85	6,674.23	32.33	30.48	75.97	471.75	509.66	605.55	546.29	59.26	10.218		
7,100.00	6,805.17	6,765.68	6,698.09	32.78	30.56	77.91	471.58	525.84	599.21	539.21	60.00	9.987		
7,150.00	6,817.03	6,795.36	6,721.89	33.27	30.64	80.01	471.25	543.57	593.64	532.74	60.90	9.748		
7,200.00	6,825.11	6,828.53	6,747.62	33.80	30.72	82.43	470.86	564.49	588.90	526.88	62.02	9.496		
7,250.00	6,829.35	6,861.97	6,772.64	34.37	30.81	84.94	470.51	586.67	585.14	521.92	63.22	9.256		
7,273.12	6,830.00	6,877.53	6,783.95	34.65	30.85	86.13	470.37	597.36	583.80	520.01	63.79	9.153		
7,300.00	6,830.28	6,897.16	6,797.91	34.98	30.90	87.49	470.21	611.15	582.71	518.24	64.48	9.038		
7,342.10	6,830.71	6,931.00	6,821.23	35.54	30.99	89.76	470.11	635.68	582.10	516.50	65.60	8.874		
7,400.00	6,831.31	6,981.83	6,854.36	36.32	31.16	92.98	470.37	674.22	583.10	516.08	67.02	8.701		
7,500.00	6,832.34	7,070.37	6,904.64	37.83	31.64	97.81	470.93	747.00	588.96	519.65	69.31	8.498		
7,600.00	6,833.37	7,167.79	6,947.81	39.49	32.55	101.83	470.58	834.24	597.92	526.31	71.62	8.349		
7,700.00	6,834.40	7,290.32	6,985.22	41.27	34.14	105.16	469.42	950.77	606.54	531.99	74.56	8.135		
7,800.00	6,835.44	7,412.17	7,002.79	43.17	36.09	106.61	468.82	1,071.26	611.02	532.91	78.10	7.823		
7,900.00	6,836.47	7,515.91	7,012.92	45.17	38.00	107.41	468.85	1,174.51	613.94	532.27	81.67	7.517		
8,000.00	6,837.50	7,623.39	7,022.89	47.26	40.18	108.20	469.47	1,281.53	616.32	530.75	85.58	7.202		
8,100.00	6,838.53	7,733.37	7,029.50	49.43	42.60	108.71	470.79	1,391.28	617.15	527.30	89.84	6.869		
8,200.00	6,839.56	7,841.22	7,032.30	51.66	45.12	108.90	472.50	1,499.08	616.54	522.19	94.34	6.535		
8,300.00	6,840.59	7,949.11	7,034.58	53.95	47.80	109.08	475.44	1,606.91	614.71	515.68	99.03	6.207		
8,400.00	6,841.62	8,052.71	7,036.06	56.29	50.46	109.22	479.52	1,710.42	611.49	507.76	103.74	5.895		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,842.65	8,140.57	7,037.50	58.67	52.79	109.34	482.07	1,798.22	609.34	501.27	108.08	5.638		
8,549.93	6,843.17	8,183.66	7,038.83	59.88	53.96	109.44	482.82	1,841.29	609.06	498.84	110.23	5.526		
8,600.00	6,843.68	8,229.87	7,040.85	61.10	55.22	109.58	483.31	1,887.45	609.31	496.85	112.46	5.418		
8,700.00	6,844.71	8,333.72	7,045.11	63.56	58.10	109.89	484.68	1,991.20	609.48	492.08	117.40	5.192		
8,800.00	6,845.75	8,434.71	7,048.48	66.05	60.97	110.12	485.72	2,092.13	609.69	487.35	122.34	4.984		
8,900.00	6,846.78	8,535.75	7,051.79	68.58	63.88	110.38	487.83	2,193.10	608.90	481.58	127.32	4.782		
8,912.36	6,846.90	8,546.25	7,052.07	68.89	64.18	110.39	487.95	2,203.59	608.88	481.00	127.87	4.762		
9,000.00	6,847.81	8,627.29	7,053.48	71.12	66.55	110.43	487.70	2,284.62	609.66	477.54	132.11	4.615		
9,100.00	6,848.84	8,727.15	7,053.90	73.69	69.49	110.34	487.03	2,384.48	610.46	473.09	137.37	4.444		
9,200.00	6,849.87	8,820.01	7,055.18	76.28	72.26	110.31	485.78	2,477.31	612.22	469.88	142.34	4.301		
9,300.00	6,850.90	8,919.90	7,059.15	78.89	75.27	110.52	484.60	2,577.12	614.74	467.25	147.49	4.168		
9,400.00	6,851.93	9,025.89	7,063.84	81.51	78.50	110.81	484.42	2,683.00	616.49	463.63	152.86	4.033		
9,500.00	6,852.96	9,130.37	7,066.96	84.15	81.70	110.98	484.55	2,787.43	617.44	459.18	158.27	3.901		
9,600.00	6,853.99	9,231.20	7,070.17	86.80	84.81	111.18	485.34	2,888.21	617.88	454.36	163.52	3.779		
9,700.00	6,855.03	9,342.11	7,074.82	89.46	88.25	111.53	487.35	2,999.00	617.75	448.72	169.03	3.655		
9,800.00	6,856.06	9,458.10	7,077.81	92.14	91.86	111.82	491.76	3,114.86	615.17	440.46	174.71	3.521		
9,900.00	6,857.09	9,545.76	7,079.71	94.83	94.60	112.01	495.06	3,202.44	612.46	432.92	179.54	3.411		
10,000.00	6,858.12	9,644.91	7,082.21	97.52	97.72	112.23	497.99	3,301.51	610.66	425.92	184.74	3.306		
10,070.69	6,858.85	9,705.06	7,084.39	99.43	99.62	112.41	499.40	3,361.61	610.09	422.09	188.00	3.245		
10,100.00	6,859.15	9,730.25	7,085.71	100.23	100.41	112.51	499.85	3,386.76	610.19	420.87	189.31	3.223		
10,200.00	6,860.18	9,834.16	7,091.51	102.94	103.70	112.97	501.75	3,490.49	610.64	416.22	194.42	3.141		
10,300.00	6,861.21	9,928.36	7,096.53	105.66	106.69	113.37	503.28	3,584.54	611.21	412.04	199.17	3.069		
10,400.00	6,862.24	10,011.79	7,101.46	108.39	109.35	113.70	503.20	3,667.82	613.63	410.20	203.43	3.016		
10,500.00	6,863.27	10,102.47	7,106.87	111.12	112.24	113.99	501.04	3,758.31	618.17	410.15	208.02	2.972		
10,600.00	6,864.30	10,215.54	7,111.41	113.86	115.86	114.12	497.57	3,871.23	622.60	408.58	214.02	2.909		
10,700.00	6,865.34	10,327.40	7,110.75	116.60	119.44	113.83	494.30	3,983.03	625.01	404.54	220.47	2.835		
10,800.00	6,866.37	10,442.70	7,106.61	119.35	123.14	113.32	493.03	4,098.24	624.48	397.17	227.31	2.747		
10,900.00	6,867.40	10,554.86	7,104.40	122.11	126.74	113.06	494.15	4,210.37	622.81	389.19	233.62	2.666		
11,000.00	6,868.43	10,651.32	7,104.54	124.87	129.85	113.11	497.84	4,306.76	619.35	380.36	238.98	2.592		
11,100.00	6,869.46	10,758.25	7,104.82	127.63	133.29	113.13	500.93	4,413.63	616.79	372.09	244.70	2.521		
11,200.00	6,870.49	10,844.21	7,104.59	130.40	136.07	113.13	503.81	4,499.54	613.68	363.86	249.81	2.457		
11,300.00	6,871.52	10,937.03	7,107.49	133.17	139.07	113.34	505.43	4,592.31	613.25	358.47	254.77	2.407		
11,400.00	6,872.55	11,038.63	7,110.58	135.94	142.36	113.56	507.01	4,693.84	612.99	352.94	260.05	2.357		
11,500.00	6,873.58	11,137.00	7,114.73	138.72	145.55	113.89	509.04	4,792.10	612.76	347.76	265.00	2.312		
11,600.00	6,874.62	11,238.32	7,116.75	141.50	148.84	114.00	510.08	4,893.37	612.60	342.16	270.43	2.265		
11,678.05	6,875.42	11,313.69	7,114.90	143.67	151.29	113.75	509.84	4,968.72	612.02	336.93	275.10	2.225		
11,700.00	6,875.65	11,329.80	7,114.73	144.28	151.82	113.71	509.67	4,984.82	612.13	336.00	276.13	2.217		
11,800.00	6,876.68	11,431.68	7,115.13	147.07	155.13	113.60	508.62	5,086.70	613.20	331.20	282.00	2.174		
11,900.00	6,877.71	11,546.13	7,116.15	149.85	158.86	113.60	509.45	5,201.13	612.89	324.72	288.17	2.127		
12,000.00	6,878.74	11,646.24	7,113.89	152.65	162.12	113.35	510.71	5,301.20	610.80	316.58	294.23	2.076		
12,044.64	6,879.20	11,680.37	7,114.08	153.89	163.23	113.35	511.10	5,335.33	610.42	314.09	296.33	2.060		
12,100.00	6,879.77	11,725.08	7,115.58	155.44	164.69	113.43	511.21	5,380.01	610.99	312.21	298.78	2.045		
12,200.00	6,880.80	11,826.22	7,116.86	158.23	168.00	113.38	509.65	5,481.12	612.88	308.33	304.56	2.012		
12,300.00	6,881.83	11,939.12	7,113.56	161.03	171.69	112.92	507.93	5,593.95	613.06	301.41	311.65	1.967		
12,400.00	6,882.86	12,047.65	7,109.18	163.83	175.23	112.40	507.20	5,702.39	612.14	293.54	318.60	1.921		
12,500.00	6,883.89	12,153.76	7,104.36	166.63	178.70	111.91	508.26	5,808.38	609.47	284.08	325.39	1.873		
12,600.00	6,884.93	12,248.20	7,102.33	169.43	181.78	111.69	510.06	5,902.79	606.90	275.59	331.31	1.832		
12,700.00	6,885.96	12,354.39	7,101.10	172.24	185.26	111.54	512.05	6,008.95	604.76	267.28	337.48	1.792		
12,800.00	6,886.99	12,460.58	7,098.34	175.04	188.73	111.29	515.03	6,115.05	601.20	257.38	343.82	1.749		
12,900.00	6,888.02	12,547.19	7,097.49	177.85	191.57	111.21	517.44	6,201.63	598.27	248.94	349.33	1.713		
13,000.00	6,889.05	12,645.49	7,098.95	180.66	194.79	111.31	519.65	6,299.88	596.72	241.94	354.78	1.682		
13,100.00	6,890.08	12,738.36	7,101.04	183.47	197.84	111.46	521.41	6,392.72	595.78	235.87	359.91	1.655		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,891.11	12,837.95	7,101.59	186.28	201.11	111.42	521.90	6,492.30	595.53	229.84	365.69	1.629		
13,300.00	6,892.14	12,944.23	7,100.23	189.10	204.60	111.20	522.25	6,598.57	594.77	222.62	372.14	1.598		
13,400.00	6,893.17	13,050.58	7,096.61	191.91	208.09	110.78	523.09	6,704.85	592.82	213.86	378.95	1.564		
13,500.00	6,894.21	13,141.02	7,095.26	194.73	211.06	110.60	524.15	6,795.27	591.22	206.47	384.75	1.537		
13,535.38	6,894.57	13,172.06	7,095.09	195.72	212.08	110.55	524.21	6,826.31	591.09	204.39	386.71	1.529		
13,600.00	6,895.24	13,231.87	7,094.44	197.54	214.05	110.41	523.58	6,886.11	591.49	200.98	390.51	1.515		
13,700.00	6,896.27	13,337.43	7,091.15	200.36	217.53	109.96	522.37	6,991.61	591.51	194.00	397.51	1.488 Level 3		
13,707.02	6,896.34	13,343.83	7,090.90	200.56	217.74	109.92	522.28	6,998.00	591.50	193.55	397.96	1.486 Level 3		
13,800.00	6,897.30	13,429.50	7,087.54	203.18	220.55	109.47	520.49	7,083.59	592.14	188.20	403.94	1.466 Level 3		
13,900.00	6,898.33	13,529.04	7,083.04	206.00	223.83	108.85	517.29	7,182.97	593.74	182.73	411.01	1.445 Level 3		
14,000.00	6,899.36	13,635.67	7,079.44	208.82	227.34	108.35	515.63	7,289.53	594.18	175.99	418.19	1.421 Level 3		
14,100.00	6,900.39	13,731.02	7,077.17	211.64	230.48	108.00	514.28	7,384.84	594.85	170.34	424.52	1.401 Level 3		
14,200.00	6,901.42	13,830.15	7,077.10	214.46	233.75	107.85	512.96	7,483.96	596.17	165.53	430.63	1.384 Level 3		
14,300.00	6,902.45	13,934.99	7,074.48	217.28	237.21	107.45	511.29	7,588.75	597.01	159.46	437.55	1.364 Level 3		
14,400.00	6,903.48	14,048.83	7,070.12	220.11	240.96	106.91	510.63	7,702.50	596.55	151.49	445.06	1.340 Level 3		
14,500.00	6,904.52	14,158.19	7,065.27	222.93	244.56	106.40	512.49	7,811.74	593.74	141.55	452.19	1.313 Level 3		
14,600.00	6,905.55	14,269.02	7,059.95	225.76	248.20	105.88	516.05	7,922.37	589.43	130.20	459.22	1.284 Level 3		
14,700.00	6,906.58	14,353.91	7,057.78	228.58	250.99	105.66	518.89	8,007.19	585.59	120.27	465.33	1.258 Level 3		
14,800.00	6,907.61	14,445.00	7,057.07	231.41	253.99	105.54	520.62	8,098.26	583.67	112.47	471.20	1.239 Level 2		
14,900.00	6,908.64	14,556.05	7,056.37	234.24	257.66	105.42	522.88	8,209.28	581.68	103.98	477.70	1.218 Level 2		
15,000.00	6,909.67	14,651.44	7,054.42	237.06	260.80	105.18	524.85	8,304.62	579.25	95.28	483.97	1.197 Level 2		
15,100.00	6,910.70	14,757.60	7,051.70	239.89	264.30	104.88	527.87	8,410.70	575.94	85.31	490.63	1.174 Level 2		
15,200.00	6,911.73	14,842.86	7,051.04	242.72	267.11	104.76	529.44	8,495.94	574.07	77.70	496.36	1.157 Level 2		
15,300.00	6,912.76	14,945.06	7,051.61	245.55	270.48	104.75	531.06	8,598.13	572.80	70.37	502.43	1.140 Level 2		
15,348.27	6,913.26	14,986.66	7,051.38	246.92	271.86	104.68	531.31	8,639.73	572.52	67.37	505.15	1.133 Level 2		
15,400.00	6,913.80	15,033.39	7,050.40	248.38	273.40	104.53	530.83	8,686.44	572.83	64.54	508.28	1.127 Level 2		
15,500.00	6,914.83	15,141.64	7,048.94	251.21	276.98	104.25	530.32	8,794.68	573.10	57.92	515.17	1.112 Level 2		
15,600.00	6,915.86	15,250.13	7,048.14	254.04	280.56	104.10	532.04	8,903.15	571.51	49.76	521.74	1.095 Level 2		
15,700.00	6,916.89	15,352.00	7,046.87	256.88	283.93	103.91	534.08	9,005.00	569.41	41.29	528.12	1.078 Level 2		
15,800.00	6,917.92	15,446.48	7,045.10	259.71	287.05	103.68	536.07	9,099.43	567.10	32.72	534.38	1.061 Level 2		
15,900.00	6,918.95	15,539.26	7,044.68	262.54	290.11	103.54	536.43	9,192.21	566.74	26.41	540.33	1.049 Level 2		
16,000.00	6,919.98	15,641.53	7,043.84	265.37	293.50	103.36	536.80	9,294.47	566.35	19.57	546.78	1.036 Level 2		
16,100.00	6,921.01	15,751.45	7,043.58	268.21	297.13	103.24	538.11	9,404.38	565.34	12.00	553.34	1.022 Level 2		
16,200.00	6,922.04	15,854.86	7,041.17	271.04	300.55	102.95	540.80	9,507.74	562.43	2.46	559.97	1.004 Level 2		
16,300.00	6,923.08	15,955.93	7,038.52	273.88	303.88	102.63	543.40	9,608.73	559.52	-7.07	566.58	0.988 Level 1		
16,400.00	6,924.11	16,052.98	7,035.98	276.71	307.09	102.32	545.87	9,705.72	556.65	-16.46	573.10	0.971 Level 1		
16,500.00	6,925.14	16,160.59	7,033.17	279.55	310.64	101.98	548.84	9,813.25	553.59	-26.27	579.86	0.955 Level 1		
16,600.00	6,926.17	16,254.71	7,030.55	282.38	313.74	101.67	551.75	9,907.29	550.19	-36.17	586.35	0.938 Level 1		
16,700.00	6,927.20	16,345.64	7,028.97	285.22	316.75	101.44	553.48	9,998.19	548.17	-44.37	592.53	0.925 Level 1		
16,760.43	6,927.82	16,399.57	7,028.92	286.93	318.54	101.38	553.92	10,052.11	547.80	-48.20	596.00	0.919 Level 1		
16,800.00	6,928.23	16,434.76	7,028.98	288.05	319.70	101.35	553.86	10,087.30	547.96	-50.26	598.22	0.916 Level 1		
16,900.00	6,929.26	16,535.02	7,029.53	290.89	323.02	101.28	553.21	10,187.56	548.90	-55.51	604.41	0.908 Level 1		
17,000.00	6,930.29	16,629.16	7,030.42	293.73	326.14	101.24	552.42	10,281.69	550.12	-60.02	610.14	0.902 Level 1		
17,100.00	6,931.32	16,739.19	7,031.66	296.56	329.79	101.23	551.71	10,391.71	551.18	-65.62	616.81	0.894 Level 1		
17,109.85	6,931.43	16,750.22	7,031.80	296.84	330.15	101.23	551.77	10,402.74	551.17	-66.28	617.45	0.893 Level 1, ES, SF		
17,200.00	6,932.35	16,792.00	7,032.30	299.40	331.54	101.24	551.89	10,444.52	553.25	-65.03	618.28	0.895 Level 1		
17,300.00	6,933.39	16,792.00	7,032.30	302.24	331.54	101.24	551.89	10,444.52	570.54	-30.35	600.90	0.949 Level 1		
17,400.00	6,934.42	16,792.00	7,032.30	305.08	331.54	101.24	551.89	10,444.52	604.11	35.07	569.05	1.062 Level 2		
17,500.00	6,935.45	16,792.00	7,032.30	307.92	331.54	101.24	551.89	10,444.52	651.45	122.08	529.37	1.231 Level 2		
17,553.57	6,936.00	16,792.00	7,032.30	309.44	331.54	101.24	551.89	10,444.52	681.51	174.53	506.97	1.344 Level 3		
17,553.96	6,936.00	16,792.00	7,032.30	309.45	331.54	101.24	551.89	10,444.52	681.73	174.92	506.81	1.345 Level 3		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	105.73	-140.24	498.01	517.43					
100.00	100.00	99.75	99.75	3.28	3.30	105.80	-140.68	497.05	516.62	510.03	6.59	78.452		
200.00	200.00	203.50	203.47	3.34	3.38	105.99	-141.82	494.90	514.93	508.21	6.72	76.638		
300.00	300.00	301.64	301.55	3.44	3.51	106.25	-143.53	492.35	512.92	505.96	6.96	73.746		
362.06	362.06	359.06	358.94	3.54	3.61	110.49	-145.06	491.11	512.34	505.20	7.14	71.717 CC, ES		
400.00	399.98	393.04	392.90	3.60	3.67	110.72	-146.16	490.66	512.58	505.30	7.27	70.466		
500.00	499.84	485.67	485.46	3.81	3.87	111.57	-149.77	490.36	515.31	507.63	7.68	67.110		
600.00	599.45	580.26	579.93	4.06	4.11	112.80	-154.48	490.71	520.55	512.39	8.16	63.793		
700.00	698.70	687.13	686.52	4.34	4.42	114.78	-162.15	490.28	527.62	518.87	8.74	60.363		
775.00	772.83	767.45	766.45	4.57	4.68	116.71	-169.48	487.58	532.85	523.62	9.23	57.737		
800.00	797.48	793.39	792.19	4.65	4.77	117.45	-172.37	486.26	534.70	525.30	9.40	56.901		
900.00	896.11	882.37	880.29	4.97	5.10	120.13	-183.88	481.33	543.26	533.20	10.06	54.020		
1,000.00	994.74	971.08	967.86	5.31	5.46	122.88	-197.30	476.76	554.60	543.84	10.76	51.540		
1,100.00	1,093.37	1,066.84	1,062.11	5.68	5.88	125.89	-213.37	471.56	568.10	556.57	11.53	49.262		
1,200.00	1,192.00	1,154.94	1,148.76	6.06	6.28	128.56	-228.50	466.63	583.26	570.96	12.29	47.440		
1,300.00	1,290.63	1,241.44	1,233.81	6.45	6.70	131.05	-243.86	462.90	601.18	588.12	13.06	46.028		
1,400.00	1,389.26	1,328.75	1,319.49	6.86	7.13	133.46	-260.31	459.75	621.60	607.76	13.84	44.918		
1,500.00	1,487.88	1,426.42	1,415.53	7.27	7.62	135.86	-277.94	457.61	643.73	629.05	14.67	43.866		
1,600.00	1,586.51	1,538.88	1,526.78	7.69	8.16	138.16	-294.26	455.62	664.67	649.08	15.59	42.630		
1,700.00	1,685.14	1,638.84	1,625.84	8.11	8.64	140.04	-307.33	452.91	684.75	668.31	16.44	41.658		
1,800.00	1,783.77	1,741.25	1,727.31	8.54	9.14	141.90	-320.74	449.48	705.10	687.78	17.31	40.731		
1,900.00	1,882.40	1,831.08	1,816.06	8.97	9.59	143.63	-333.63	444.29	725.53	707.41	18.12	40.047		
2,000.00	1,981.03	1,924.79	1,908.68	9.41	10.07	145.27	-347.26	440.28	747.67	728.71	18.95	39.445		
2,100.00	2,079.66	2,011.84	1,994.44	9.84	10.53	146.87	-361.19	434.84	770.47	750.71	19.75	39.007		
2,200.00	2,178.28	2,097.90	2,079.08	10.29	11.00	148.37	-376.05	430.29	795.41	774.87	20.54	38.724		
2,300.00	2,276.91	2,187.01	2,166.85	10.73	11.48	149.75	-391.03	426.89	821.35	800.01	21.35	38.476		
2,400.00	2,375.54	2,267.37	2,245.83	11.18	11.93	150.95	-405.59	423.95	848.93	826.85	22.08	38.445		
2,500.00	2,474.17	2,343.19	2,319.96	11.62	12.36	152.11	-421.22	420.95	878.86	856.09	22.77	38.593		
2,600.00	2,572.80	2,441.00	2,415.61	12.07	12.94	153.44	-441.43	418.29	909.89	886.23	23.66	38.461		
2,700.00	2,671.43	2,532.38	2,504.99	12.52	13.47	154.61	-460.30	415.73	941.25	916.77	24.48	38.445		
2,800.00	2,770.05	2,642.57	2,612.48	12.97	14.13	156.16	-483.40	408.63	971.68	946.19	25.50	38.112		
2,900.00	2,868.68	2,723.18	2,690.89	13.43	14.63	157.29	-501.06	402.47	1,002.95	976.71	26.24	38.219		
3,000.00	2,967.31	2,850.36	2,815.06	13.88	15.39	158.93	-526.72	392.58	1,033.04	1,005.63	27.41	37.689		
3,100.00	3,065.94	2,950.89	2,913.81	14.34	15.97	159.99	-544.48	386.41	1,062.04	1,033.72	28.32	37.497		
3,200.00	3,164.57	3,053.91	3,015.26	14.79	16.55	160.94	-561.60	381.27	1,090.80	1,061.55	29.25	37.295		
3,300.00	3,263.20	3,169.11	3,129.17	15.25	17.16	161.80	-578.38	377.39	1,118.52	1,088.27	30.26	36.968		
3,400.00	3,361.83	3,265.80	3,224.99	15.71	17.66	162.43	-590.98	374.69	1,145.18	1,114.07	31.11	36.806		
3,500.00	3,460.45	3,345.74	3,304.00	16.17	18.09	163.02	-602.53	370.93	1,172.65	1,140.80	31.85	36.821		
3,600.00	3,559.08	3,427.43	3,384.49	16.62	18.54	163.66	-615.80	366.51	1,201.64	1,169.04	32.59	36.868		
3,700.00	3,657.71	3,520.98	3,476.65	17.08	19.07	164.31	-631.27	362.40	1,231.39	1,197.95	33.44	36.823		
3,800.00	3,756.34	3,627.76	3,581.98	17.54	19.66	165.00	-648.23	357.97	1,260.79	1,226.39	34.40	36.649		
3,900.00	3,854.97	3,713.47	3,666.50	18.00	20.13	165.57	-661.69	353.32	1,289.80	1,254.62	35.18	36.659		
4,000.00	3,953.60	3,789.38	3,741.16	18.46	20.57	166.08	-674.83	349.22	1,320.37	1,284.50	35.88	36.801		
4,100.00	4,052.23	3,872.50	3,822.73	18.92	21.05	166.63	-690.07	344.64	1,352.03	1,315.39	36.64	36.902		
4,200.00	4,150.85	3,955.35	3,903.92	19.39	21.55	167.16	-705.95	340.10	1,384.59	1,347.19	37.40	37.025		
4,300.00	4,249.48	4,054.13	4,000.71	19.85	22.14	167.76	-725.01	334.91	1,417.45	1,379.14	38.31	37.003		
4,400.00	4,348.11	4,140.71	4,085.52	20.31	22.66	168.26	-741.81	330.27	1,450.51	1,411.41	39.10	37.097		
4,500.00	4,446.74	4,252.16	4,194.81	20.77	23.32	168.86	-762.90	324.72	1,483.32	1,443.19	40.13	36.961		
4,600.00	4,545.37	4,312.52	4,253.86	21.23	23.69	169.19	-774.93	321.31	1,516.91	1,476.23	40.67	37.296		
4,700.00	4,644.00	4,417.71	4,356.55	21.70	24.34	169.78	-796.77	314.77	1,551.40	1,509.75	41.66	37.244		
4,800.00	4,742.63	4,502.45	4,439.39	22.16	24.86	170.23	-813.85	309.61	1,585.44	1,543.01	42.44	37.360		
4,900.00	4,841.25	4,630.94	4,565.10	22.62	25.64	170.89	-839.03	301.15	1,618.98	1,575.34	43.65	37.094		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,000.00	4,939.88	4,709.90	4,642.45	23.09	26.11	171.27	-853.94	295.89	1,651.93	1,607.56	44.37	37.230		
5,100.00	5,038.51	4,839.81	4,770.04	23.55	26.88	171.89	-876.54	286.58	1,683.14	1,637.56	45.58	36.929		
5,200.00	5,137.14	4,902.00	4,831.01	24.02	27.24	172.17	-888.06	282.52	1,715.81	1,669.66	46.15	37.180		
5,300.00	5,235.77	5,006.68	4,933.61	24.48	27.87	172.59	-907.96	276.49	1,749.31	1,702.19	47.12	37.124		
5,400.00	5,334.40	5,104.50	5,029.71	24.94	28.45	172.93	-925.59	271.76	1,782.08	1,734.06	48.02	37.110		
5,500.00	5,433.03	5,195.13	5,118.77	25.41	28.97	173.23	-941.85	267.67	1,814.87	1,766.01	48.85	37.149		
5,600.00	5,531.65	5,291.65	5,213.63	25.87	29.54	173.54	-959.15	263.36	1,847.69	1,797.94	49.74	37.146		
5,700.00	5,630.28	5,371.53	5,292.10	26.34	30.01	173.78	-973.73	259.93	1,880.88	1,830.40	50.47	37.265		
5,800.00	5,728.91	5,470.14	5,389.00	26.80	30.58	174.02	-991.73	257.09	1,914.34	1,862.96	51.38	37.260		
5,900.00	5,827.54	5,565.33	5,488.76	27.27	31.15	174.25	-1,010.29	252.10	1,948.84	1,896.74	52.30	37.255		
6,000.00	5,926.17	5,663.51	5,587.99	27.73	31.72	174.46	-1,029.42	247.11	1,983.76	1,931.38	53.38	37.250		
6,100.00	6,024.80	5,761.69	5,687.22	28.20	32.29	174.66	-1,048.58	242.12	2,018.69	1,965.97	54.51	37.245		
6,200.00	6,123.43	5,859.88	5,782.45	28.66	32.86	174.86	-1,067.73	237.13	2,053.62	1,999.96	55.69	37.240		
6,272.77	6,195.20	5,926.05	5,849.22	29.00	33.32	175.06	-1,084.13	232.14	2,088.54	2,034.44	56.90	37.235		
6,300.00	6,222.05	6,000.00	5,922.49	29.33	33.77	175.25	-1,100.54	227.15	2,123.46	2,069.36	58.15	37.230		
6,350.00	6,271.23	6,069.99	5,992.24	29.66	34.22	175.44	-1,117.00	222.16	2,158.38	2,104.28	59.44	37.225		
6,400.00	6,319.99	6,139.98	6,062.00	29.99	34.67	175.63	-1,133.51	217.17	2,193.30	2,139.20	60.77	37.220		
6,450.00	6,368.01	6,188.01	6,111.01	30.32	35.12	175.82	-1,150.07	212.18	2,228.22	2,174.12	62.14	37.215		
6,500.00	6,415.02	6,236.02	6,160.02	30.65	35.57	176.01	-1,166.58	207.19	2,263.14	2,209.04	63.55	37.210		
6,550.00	6,460.71	6,285.00	6,209.00	30.98	36.02	176.20	-1,183.14	202.20	2,298.06	2,243.96	64.99	37.205		
6,600.00	6,504.81	6,334.01	6,258.01	31.31	36.47	176.39	-1,200.00	197.21	2,332.98	2,278.88	66.46	37.200		
6,650.00	6,547.04	6,383.02	6,307.02	31.64	36.92	176.58	-1,216.91	192.22	2,367.90	2,313.80	67.97	37.195		
6,700.00	6,587.14	6,432.03	6,356.03	31.97	37.37	176.77	-1,233.87	187.23	2,402.82	2,348.72	69.52	37.190		
6,750.00	6,624.87	6,481.04	6,405.04	32.30	37.82	176.96	-1,250.88	182.24	2,437.74	2,383.64	71.10	37.185		
6,800.00	6,660.00	6,530.05	6,454.05	32.63	38.27	177.15	-1,267.94	177.25	2,472.66	2,418.56	72.71	37.180		
6,850.00	6,692.30	6,579.06	6,503.06	32.96	38.72	177.34	-1,285.05	172.26	2,507.58	2,453.48	74.36	37.175		
6,900.00	6,721.58	6,628.07	6,552.07	33.29	39.17	177.53	-1,302.21	167.27	2,542.50	2,488.40	76.05	37.170		
6,950.00	6,747.66	6,677.08	6,601.08	33.62	39.62	177.72	-1,319.42	162.28	2,577.42	2,523.32	77.78	37.165		
7,000.00	6,770.37	6,726.09	6,624.09	33.95	40.07	177.91	-1,336.68	157.29	2,612.34	2,558.24	79.55	37.160		
7,050.00	6,789.58	6,745.10	6,643.10	34.28	40.52	178.10	-1,353.99	152.30	2,647.26	2,593.16	81.36	37.155		
7,100.00	6,805.17	6,764.11	6,662.11	34.61	40.97	178.29	-1,371.35	147.31	2,682.18	2,628.08	83.21	37.150		
7,150.00	6,817.03	6,783.12	6,681.12	34.94	41.42	178.48	-1,388.76	142.32	2,717.10	2,662.99	85.10	37.145		
7,200.00	6,825.11	6,802.13	6,700.13	35.27	41.87	178.67	-1,406.22	137.33	2,752.02	2,697.91	87.03	37.140		
7,250.00	6,829.35	6,821.14	6,719.14	35.60	42.32	178.86	-1,423.73	132.34	2,786.94	2,732.83	89.00	37.135		
7,273.12	6,830.00	6,840.15	6,738.15	35.93	42.77	179.05	-1,441.29	127.35	2,821.86	2,767.75	91.01	37.130		
7,300.00	6,830.28	6,859.16	6,757.16	36.26	43.22	179.24	-1,458.80	122.36	2,856.78	2,802.67	93.06	37.125		
7,400.00	6,831.31	6,878.17	6,776.17	36.59	43.67	179.43	-1,476.36	117.37	2,891.70	2,837.59	95.15	37.120		
7,500.00	6,832.34	6,897.18	6,795.18	36.92	44.12	179.62	-1,493.87	112.38	2,926.62	2,872.51	97.28	37.115		
7,600.00	6,833.37	6,916.19	6,814.19	37.25	44.57	179.81	-1,511.43	107.39	2,961.54	2,907.43	99.44	37.110		
7,700.00	6,834.40	6,935.20	6,833.20	37.58	45.02	180.00	-1,529.04	102.40	2,996.46	2,942.35	101.63	37.105		
7,800.00	6,835.44	6,954.21	6,852.21	37.91	45.47	180.19	-1,546.60	97.41	3,031.38	2,977.27	103.85	37.100		
7,900.00	6,836.47	6,973.22	6,871.22	38.24	45.92	180.38	-1,564.21	92.42	3,066.30	3,012.19	106.10	37.095		
8,000.00	6,837.50	6,992.23	6,890.23	38.57	46.37	180.57	-1,581.87	87.43	3,101.22	3,047.11	108.38	37.090		
8,100.00	6,838.53	7,011.24	6,909.24	38.90	46.82	180.76	-1,600.00	82.44	3,136.14	3,082.03	110.69	37.085		
8,200.00	6,839.56	7,030.25	6,928.25	39.23	47.27	180.95	-1,618.17	77.45	3,171.06	3,116.95	113.03	37.080		
8,300.00	6,840.59	7,049.26	6,947.26	39.56	47.72	181.14	-1,636.39	72.46	3,205.98	3,151.87	115.40	37.075		
8,400.00	6,841.62	7,068.27	6,966.27	39.89	48.17	181.33	-1,654.66	67.47	3,240.90	3,186.79	117.80	37.070		
8,500.00	6,842.65	7,087.28	6,985.28	40.22	48.62	181.52	-1,672.98	62.48	3,275.82	3,221.71	120.23	37.065		
8,600.00	6,843.68	7,106.29	6,999.29	40.55	49.07	181.71	-1,691.35	57.49	3,310.74	3,256.63	122.69	37.060		
8,700.00	6,844.71	7,125.30	7,018.30	40.88	49.52	181.90	-1,709.77	52.50	3,345.66	3,291.55	125.18	37.055		
8,800.00	6,845.75	7,144.31	7,037.31	41.21	49.97	182.09	-1,728.24	47.51	3,380.58	3,326.47	127.70	37.050		
8,900.00	6,846.78	7,163.32	7,056.32	41.54	50.42	182.28	-1,746.76	42.52	3,415.50	3,361.39	130.25	37.045		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,847.81	9,064.46	7,236.18	71.12	71.59	100.83	-1,006.24	2,329.52	2,103.12	1,962.97	140.15	15.006		
9,100.00	6,848.84	9,142.65	7,238.45	73.69	73.90	100.87	-1,004.79	2,407.66	2,102.05	1,957.05	145.00	14.497		
9,200.00	6,849.87	9,231.55	7,240.68	76.28	76.55	100.91	-1,004.00	2,496.52	2,101.85	1,951.67	150.18	13.995		
9,300.00	6,850.90	9,338.28	7,243.34	78.89	79.76	100.96	-1,002.64	2,603.21	2,101.25	1,945.36	155.89	13.479		
9,323.07	6,851.14	9,353.56	7,243.72	79.49	80.22	100.96	-1,002.51	2,618.48	2,101.21	1,944.25	156.96	13.387		
9,400.00	6,851.93	9,408.00	7,245.01	81.51	81.87	100.98	-1,002.51	2,672.91	2,101.69	1,941.08	160.61	13.086		
9,500.00	6,852.96	9,518.83	7,247.64	84.15	85.26	101.02	-1,002.83	2,783.71	2,102.64	1,936.13	166.52	12.627		
9,600.00	6,853.99	9,608.37	7,249.24	86.80	88.02	101.03	-1,003.23	2,873.24	2,103.62	1,931.76	171.86	12.241		
9,700.00	6,855.03	9,717.45	7,254.18	89.46	91.39	101.13	-1,002.68	2,982.19	2,104.18	1,926.44	177.74	11.838		
9,800.00	6,856.06	9,794.62	7,257.58	92.14	93.79	101.20	-1,002.82	3,059.28	2,105.40	1,922.66	182.73	11.522		
9,900.00	6,857.09	9,902.21	7,260.29	94.83	97.15	101.24	-1,003.75	3,166.83	2,106.93	1,918.27	188.66	11.168		
10,000.00	6,858.12	10,042.01	7,263.24	97.52	101.54	101.27	-1,003.96	3,306.60	2,107.84	1,912.30	195.54	10.780		
10,100.00	6,859.15	10,165.16	7,263.30	100.23	105.41	101.25	-1,002.03	3,429.73	2,106.46	1,904.50	201.96	10.430		
10,200.00	6,860.18	10,311.39	7,266.19	102.94	110.01	101.31	-997.01	3,575.83	2,103.66	1,894.74	208.92	10.069		
10,300.00	6,861.21	10,396.89	7,268.34	105.66	112.70	101.36	-992.95	3,661.20	2,099.76	1,885.46	214.30	9.798		
10,400.00	6,862.24	10,459.93	7,268.85	108.39	114.70	101.37	-991.35	3,724.22	2,097.58	1,878.47	219.11	9.573		
10,500.00	6,863.27	10,548.00	7,269.34	111.12	117.50	101.36	-989.38	3,812.26	2,095.80	1,871.20	224.59	9.332		
10,563.36	6,863.93	10,594.27	7,270.07	112.85	118.97	101.37	-988.58	3,858.52	2,095.18	1,867.39	227.79	9.198		
10,600.00	6,864.30	10,611.95	7,270.53	113.86	119.54	101.38	-988.54	3,876.19	2,095.35	1,865.99	229.36	9.136		
10,700.00	6,865.34	10,690.87	7,273.43	116.60	122.07	101.43	-989.40	3,955.05	2,097.22	1,862.70	234.52	8.943		
10,800.00	6,866.37	10,804.10	7,277.07	119.35	125.70	101.49	-990.10	4,068.21	2,098.64	1,857.89	240.75	8.717		
10,900.00	6,867.40	10,897.80	7,276.98	122.11	128.71	101.45	-991.24	4,161.91	2,100.02	1,853.57	246.45	8.521		
11,000.00	6,868.43	11,046.43	7,275.90	124.87	133.50	101.38	-992.04	4,310.52	2,100.68	1,846.84	253.84	8.275		
11,100.00	6,869.46	11,174.28	7,278.12	127.63	137.61	101.41	-989.78	4,438.33	2,099.55	1,839.07	260.48	8.060		
11,200.00	6,870.49	11,290.98	7,279.79	130.40	141.37	101.44	-986.04	4,554.96	2,096.85	1,830.06	266.79	7.860		
11,300.00	6,871.52	11,388.46	7,280.35	133.17	144.51	101.44	-982.92	4,652.39	2,094.03	1,821.41	272.62	7.681		
11,400.00	6,872.55	11,486.66	7,280.17	135.94	147.68	101.42	-980.07	4,750.54	2,091.34	1,812.85	278.49	7.510		
11,500.00	6,873.58	11,605.33	7,278.72	138.72	151.51	101.37	-976.43	4,869.15	2,088.31	1,803.38	284.93	7.329		
11,600.00	6,874.62	11,733.99	7,275.28	141.50	155.66	101.26	-971.38	4,997.66	2,084.14	1,792.52	291.63	7.147		
11,700.00	6,875.65	11,784.00	7,273.79	144.28	157.28	101.22	-969.11	5,047.60	2,079.87	1,783.53	296.34	7.018		
11,752.49	6,876.19	11,784.00	7,273.79	145.74	157.28	101.22	-969.11	5,047.60	2,079.21	1,781.24	297.97	6.978		
11,800.00	6,876.68	11,784.00	7,273.79	147.07	157.28	101.22	-969.11	5,047.60	2,079.75	1,780.46	299.30	6.949		
11,900.00	6,877.71	11,784.00	7,273.79	149.85	157.28	101.22	-969.11	5,047.60	2,084.44	1,782.84	301.59	6.911		
12,000.00	6,878.74	11,784.00	7,273.79	152.65	157.28	101.22	-969.11	5,047.60	2,093.89	1,790.67	303.22	6.905 SF		
12,100.00	6,879.77	11,784.00	7,273.79	155.44	157.28	101.22	-969.11	5,047.60	2,108.05	1,803.85	304.20	6.930		
12,200.00	6,880.80	11,784.00	7,273.79	158.23	157.28	101.22	-969.11	5,047.60	2,126.82	1,822.29	304.53	6.984		
12,300.00	6,881.83	11,784.00	7,273.79	161.03	157.28	101.22	-969.11	5,047.60	2,150.09	1,845.83	304.26	7.067		
12,400.00	6,882.86	11,784.00	7,273.79	163.83	157.28	101.22	-969.11	5,047.60	2,177.70	1,874.29	303.41	7.177		
12,500.00	6,883.89	11,784.00	7,273.79	166.63	157.28	101.22	-969.11	5,047.60	2,209.50	1,907.45	302.05	7.315		
12,600.00	6,884.93	11,784.00	7,273.79	169.43	157.28	101.22	-969.11	5,047.60	2,245.31	1,945.08	300.22	7.479		
12,700.00	6,885.96	11,784.00	7,273.79	172.24	157.28	101.22	-969.11	5,047.60	2,284.93	1,986.95	297.98	7.668		
12,800.00	6,886.99	11,784.00	7,273.79	175.04	157.28	101.22	-969.11	5,047.60	2,328.18	2,032.79	295.38	7.882		
12,900.00	6,888.02	11,784.00	7,273.79	177.85	157.28	101.22	-969.11	5,047.60	2,374.85	2,082.36	292.49	8.120		
13,000.00	6,889.05	11,784.00	7,273.79	180.66	157.28	101.22	-969.11	5,047.60	2,424.75	2,135.41	289.34	8.380		
13,100.00	6,890.08	11,784.00	7,273.79	183.47	157.28	101.22	-969.11	5,047.60	2,477.68	2,191.69	286.00	8.663		
13,200.00	6,891.11	11,784.00	7,273.79	186.28	157.28	101.22	-969.11	5,047.60	2,533.46	2,250.96	282.50	8.968		
13,300.00	6,892.14	11,784.00	7,273.79	189.10	157.28	101.22	-969.11	5,047.60	2,591.89	2,313.00	278.89	9.294		
13,400.00	6,893.17	11,784.00	7,273.79	191.91	157.28	101.22	-969.11	5,047.60	2,652.81	2,377.61	275.21	9.639		
13,500.00	6,894.21	11,784.00	7,273.79	194.73	157.28	101.22	-969.11	5,047.60	2,716.05	2,444.57	271.48	10.005		
13,600.00	6,895.24	11,784.00	7,273.79	197.54	157.28	101.22	-969.11	5,047.60	2,781.44	2,513.71	267.73	10.389		
13,700.00	6,896.27	11,784.00	7,273.79	200.36	157.28	101.22	-969.11	5,047.60	2,848.85	2,584.86	263.99	10.792		
13,800.00	6,897.30	11,784.00	7,273.79	203.18	157.28	101.22	-969.11	5,047.60	2,918.12	2,657.85	260.27	11.212		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
13,900.00	6,898.33	11,784.00	7,273.79	206.00	157.28	101.22	-969.11	5,047.60	2,989.14	2,732.54	256.60	11.649		
14,000.00	6,899.36	11,784.00	7,273.79	208.82	157.28	101.22	-969.11	5,047.60	3,061.77	2,808.80	252.97	12.103		
14,100.00	6,900.39	11,784.00	7,273.79	211.64	157.28	101.22	-969.11	5,047.60	3,135.91	2,886.49	249.42	12.573		
14,200.00	6,901.42	11,784.00	7,273.79	214.46	157.28	101.22	-969.11	5,047.60	3,211.46	2,965.52	245.94	13.058		
14,300.00	6,902.45	11,784.00	7,273.79	217.28	157.28	101.22	-969.11	5,047.60	3,288.30	3,045.77	242.53	13.558		
14,400.00	6,903.48	11,784.00	7,273.79	220.11	157.28	101.22	-969.11	5,047.60	3,366.37	3,127.16	239.21	14.073		
14,500.00	6,904.52	11,784.00	7,273.79	222.93	157.28	101.22	-969.11	5,047.60	3,445.57	3,209.59	235.98	14.601		
14,600.00	6,905.55	11,784.00	7,273.79	225.76	157.28	101.22	-969.11	5,047.60	3,525.83	3,292.99	232.84	15.143		
14,700.00	6,906.58	11,784.00	7,273.79	228.58	157.28	101.22	-969.11	5,047.60	3,607.07	3,377.28	229.79	15.698		
14,800.00	6,907.61	11,784.00	7,273.79	231.41	157.28	101.22	-969.11	5,047.60	3,689.24	3,462.41	226.82	16.265		
14,900.00	6,908.64	11,784.00	7,273.79	234.24	157.28	101.22	-969.11	5,047.60	3,772.26	3,548.31	223.95	16.844		
15,000.00	6,909.67	11,784.00	7,273.79	237.06	157.28	101.22	-969.11	5,047.60	3,856.09	3,634.92	221.17	17.435		
15,100.00	6,910.70	11,784.00	7,273.79	239.89	157.28	101.22	-969.11	5,047.60	3,940.68	3,722.20	218.48	18.037		
15,200.00	6,911.73	11,784.00	7,273.79	242.72	157.28	101.22	-969.11	5,047.60	4,025.97	3,810.10	215.87	18.650		
15,300.00	6,912.76	11,784.00	7,273.79	245.55	157.28	101.22	-969.11	5,047.60	4,111.93	3,898.58	213.35	19.273		
15,400.00	6,913.80	11,784.00	7,273.79	248.38	157.28	101.22	-969.11	5,047.60	4,198.51	3,987.60	210.91	19.906		
15,500.00	6,914.83	11,784.00	7,273.79	251.21	157.28	101.22	-969.11	5,047.60	4,285.67	4,077.12	208.55	20.549		
15,600.00	6,915.86	11,784.00	7,273.79	254.04	157.28	101.22	-969.11	5,047.60	4,373.38	4,167.11	206.27	21.202		
15,700.00	6,916.89	11,784.00	7,273.79	256.88	157.28	101.22	-969.11	5,047.60	4,461.61	4,257.54	204.07	21.863		
15,800.00	6,917.92	11,784.00	7,273.79	259.71	157.28	101.22	-969.11	5,047.60	4,550.33	4,348.39	201.94	22.533		
15,900.00	6,918.95	11,784.00	7,273.79	262.54	157.28	101.22	-969.11	5,047.60	4,639.50	4,439.63	199.88	23.212		
16,000.00	6,919.98	11,784.00	7,273.79	265.37	157.28	101.22	-969.11	5,047.60	4,729.11	4,531.23	197.88	23.898		
16,100.00	6,921.01	11,784.00	7,273.79	268.21	157.28	101.22	-969.11	5,047.60	4,819.13	4,623.17	195.96	24.593		
16,200.00	6,922.04	11,784.00	7,273.79	271.04	157.28	101.22	-969.11	5,047.60	4,909.53	4,715.44	194.09	25.295		
16,300.00	6,923.08	11,784.00	7,273.79	273.88	157.28	101.22	-969.11	5,047.60	5,000.30	4,808.01	192.29	26.004		
16,400.00	6,924.11	11,784.00	7,273.79	276.71	157.28	101.22	-969.11	5,047.60	5,091.42	4,900.87	190.55	26.720		
16,500.00	6,925.14	11,784.00	7,273.79	279.55	157.28	101.22	-969.11	5,047.60	5,182.86	4,993.99	188.86	27.442		
16,600.00	6,926.17	11,784.00	7,273.79	282.38	157.28	101.22	-969.11	5,047.60	5,274.61	5,087.38	187.23	28.171		
16,700.00	6,927.20	11,784.00	7,273.79	285.22	157.28	101.22	-969.11	5,047.60	5,366.66	5,181.00	185.66	28.906		
16,800.00	6,928.23	11,784.00	7,273.79	288.05	157.28	101.22	-969.11	5,047.60	5,458.99	5,274.86	184.13	29.648		
16,900.00	6,929.26	11,784.00	7,273.79	290.89	157.28	101.22	-969.11	5,047.60	5,551.58	5,368.93	182.65	30.395		
17,000.00	6,930.29	11,784.00	7,273.79	293.73	157.28	101.22	-969.11	5,047.60	5,644.42	5,463.21	181.22	31.147		
17,100.00	6,931.32	11,784.00	7,273.79	296.56	157.28	101.22	-969.11	5,047.60	5,737.51	5,557.68	179.83	31.905		
17,200.00	6,932.35	11,784.00	7,273.79	299.40	157.28	101.22	-969.11	5,047.60	5,830.83	5,652.34	178.49	32.667		
17,300.00	6,933.39	11,784.00	7,273.79	302.24	157.28	101.22	-969.11	5,047.60	5,924.36	5,747.17	177.19	33.435		
17,400.00	6,934.42	11,784.00	7,273.79	305.08	157.28	101.22	-969.11	5,047.60	6,018.10	5,842.17	175.93	34.207		
17,500.00	6,935.45	11,784.00	7,273.79	307.92	157.28	101.22	-969.11	5,047.60	6,112.04	5,937.33	174.71	34.984		
17,553.57	6,936.00	11,784.00	7,273.79	309.44	157.28	101.22	-969.11	5,047.60	6,162.44	5,988.37	174.07	35.402		
17,553.96	6,936.00	11,784.00	7,273.79	309.45	157.28	101.22	-969.11	5,047.60	6,162.81	5,988.74	174.07	35.405		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	99.08	-80.50	503.86	510.30					
100.00	100.00	96.68	96.67	3.28	3.30	99.11	-80.67	503.12	509.56	502.98	6.58	77.412		
200.00	200.00	196.78	196.78	3.34	3.37	99.17	-81.12	502.41	508.93	502.22	6.71	75.869		
300.00	300.00	299.77	299.76	3.44	3.50	99.21	-81.29	501.34	507.93	500.98	6.95	73.102		
400.00	399.98	405.58	405.54	3.60	3.69	103.44	-81.31	499.34	506.48	499.18	7.30	69.407		
497.30	497.14	498.62	498.56	3.80	3.90	104.00	-81.10	497.31	505.54	497.85	7.69	65.701 CC		
500.00	499.84	501.16	501.11	3.81	3.90	104.02	-81.11	497.26	505.54	497.84	7.71	65.599		
600.00	599.45	595.36	595.29	4.06	4.14	104.96	-81.44	496.15	506.63	498.45	8.18	61.909		
700.00	698.70	693.77	693.69	4.34	4.41	106.35	-82.60	495.48	509.51	500.78	8.73	58.351		
775.00	772.83	770.86	770.77	4.57	4.65	107.76	-84.28	494.56	512.40	503.21	9.19	55.758		
800.00	797.48	796.58	796.47	4.65	4.73	108.30	-84.96	494.11	513.43	504.08	9.35	54.919		
900.00	896.11	889.93	889.79	4.97	5.03	110.15	-86.83	493.00	518.30	508.32	9.98	51.931		
1,000.00	994.74	984.42	984.28	5.31	5.34	111.83	-87.64	493.01	524.56	513.92	10.64	49.302		
1,100.00	1,093.37	1,080.76	1,080.62	5.68	5.65	113.41	-87.75	493.87	531.87	520.55	11.32	46.978		
1,200.00	1,192.00	1,175.50	1,175.35	6.06	5.97	114.88	-87.70	495.34	540.15	528.13	12.02	44.939		
1,300.00	1,290.63	1,278.24	1,278.06	6.45	6.33	116.40	-87.38	497.06	548.81	536.04	12.77	42.978		
1,400.00	1,389.26	1,380.17	1,379.99	6.86	6.70	117.81	-86.41	498.24	557.11	543.57	13.54	41.160		
1,500.00	1,487.88	1,483.63	1,483.43	7.27	7.08	119.20	-85.01	498.89	565.07	550.74	14.32	39.449		
1,600.00	1,586.51	1,582.67	1,582.45	7.69	7.45	120.46	-83.31	499.17	572.86	557.75	15.11	37.914		
1,700.00	1,685.14	1,683.55	1,683.32	8.11	7.84	121.71	-81.47	499.33	580.76	564.84	15.91	36.492		
1,800.00	1,783.77	1,783.83	1,783.59	8.54	8.23	122.93	-79.56	499.17	588.61	571.88	16.73	35.186		
1,900.00	1,882.40	1,882.26	1,882.00	8.97	8.62	124.10	-77.67	499.03	596.73	579.19	17.54	34.017		
2,000.00	1,981.03	1,996.87	1,996.56	9.41	9.07	125.38	-74.76	498.38	604.51	586.07	18.44	32.791		
2,100.00	2,079.66	2,134.63	2,133.88	9.84	9.63	126.74	-66.03	492.13	606.94	587.54	19.40	31.282		
2,200.00	2,178.28	2,244.52	2,243.08	10.29	10.09	128.09	-59.23	481.93	605.78	585.51	20.27	29.888		
2,293.56	2,270.56	2,328.81	2,326.82	10.70	10.44	129.31	-55.55	473.09	605.01	583.97	21.04	28.757		
2,300.00	2,276.91	2,334.63	2,332.60	10.73	10.47	129.39	-55.32	472.51	605.01	583.92	21.09	28.685		
2,400.00	2,375.54	2,428.10	2,425.59	11.18	10.87	130.72	-51.66	463.77	605.76	583.84	21.93	27.628		
2,500.00	2,474.17	2,521.41	2,518.51	11.62	11.27	131.97	-47.96	456.12	607.76	585.00	22.76	26.701		
2,600.00	2,572.80	2,624.11	2,620.81	12.07	11.71	133.32	-43.88	447.95	610.27	586.64	23.63	25.824		
2,700.00	2,671.43	2,721.29	2,717.59	12.52	12.13	134.63	-40.33	439.91	613.06	588.58	24.49	25.036		
2,800.00	2,770.05	2,837.78	2,833.39	12.97	12.65	136.18	-34.50	428.69	614.21	588.80	25.40	24.177		
2,900.00	2,868.68	2,934.34	2,929.32	13.43	13.08	137.47	-29.43	418.94	615.25	588.98	26.27	23.422		
3,000.00	2,967.31	3,035.69	3,029.99	13.88	13.54	138.67	-22.63	409.40	616.10	588.95	27.15	22.695		
3,100.00	3,065.94	3,128.80	3,122.55	14.34	13.96	139.75	-16.73	401.21	617.90	589.90	28.00	22.064		
3,200.00	3,164.57	3,226.36	3,219.59	14.79	14.41	140.92	-11.19	392.79	620.57	591.69	28.88	21.490		
3,300.00	3,263.20	3,325.03	3,317.75	15.25	14.85	141.95	-4.61	385.36	623.49	593.74	29.75	20.956		
3,400.00	3,361.83	3,421.55	3,413.82	15.71	15.29	142.90	1.92	378.73	626.99	596.37	30.62	20.475		
3,500.00	3,460.45	3,518.15	3,510.01	16.17	15.73	143.84	8.14	372.32	631.08	599.58	31.49	20.039		
3,600.00	3,559.08	3,615.68	3,607.16	16.62	16.17	144.78	14.11	366.17	635.78	603.42	32.37	19.643		
3,700.00	3,657.71	3,715.08	3,706.18	17.08	16.62	145.71	20.21	360.01	640.74	607.48	33.25	19.270		
3,800.00	3,756.34	3,786.07	3,777.03	17.54	16.93	146.43	22.40	356.26	648.59	614.61	33.98	19.085		
3,900.00	3,854.97	3,887.81	3,878.63	18.00	17.38	147.50	24.25	351.16	658.03	623.14	34.88	18.864		
4,000.00	3,953.60	3,981.32	3,972.00	18.46	17.79	148.44	26.22	346.49	667.48	631.75	35.73	18.682		
4,100.00	4,052.23	4,061.09	4,051.74	18.92	18.13	149.03	27.76	345.40	679.28	642.82	36.46	18.633		
4,200.00	4,150.85	4,142.00	4,132.64	19.39	18.46	149.58	27.63	345.87	693.96	656.81	37.15	18.678		
4,300.00	4,249.48	4,242.91	4,233.54	19.85	18.85	150.30	26.09	346.44	709.87	671.85	38.02	18.670		
4,400.00	4,348.11	4,336.40	4,327.01	20.31	19.22	150.97	24.35	346.63	725.96	687.13	38.82	18.699		
4,500.00	4,446.74	4,440.83	4,431.42	20.77	19.64	151.55	23.51	348.27	741.98	702.25	39.73	18.676		
4,600.00	4,545.37	4,545.77	4,536.34	21.23	20.06	152.01	24.02	350.70	757.37	716.74	40.64	18.638		
4,700.00	4,644.00	4,655.92	4,646.45	21.70	20.51	152.46	25.87	352.43	771.40	729.81	41.59	18.548		
4,800.00	4,742.63	4,759.33	4,749.83	22.16	20.94	152.89	28.35	353.46	784.57	742.08	42.49	18.464		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,841.25	4,855.86	4,846.32	22.62	21.35	153.28	30.80	354.10	797.50	754.16	43.34	18.400		
5,000.00	4,939.88	4,946.88	4,937.33	23.09	21.73	153.69	32.15	354.55	811.29	767.14	44.15	18.377		
5,100.00	5,038.51	5,044.91	5,035.36	23.55	22.14	154.25	31.93	353.67	825.90	780.89	45.01	18.349		
5,200.00	5,137.14	5,149.64	5,140.07	24.02	22.58	154.87	32.03	351.91	839.95	794.01	45.94	18.285		
5,300.00	5,235.77	5,251.13	5,241.55	24.48	23.02	155.45	32.55	349.97	853.61	806.78	46.84	18.225		
5,400.00	5,334.40	5,352.91	5,343.30	24.94	23.46	156.02	33.31	347.83	867.06	819.32	47.74	18.162		
5,500.00	5,433.03	5,436.50	5,426.87	25.41	23.81	156.46	33.75	346.37	880.98	832.49	48.49	18.169		
5,600.00	5,531.65	5,527.83	5,518.19	25.87	24.19	156.94	32.54	345.45	896.86	847.57	49.29	18.196		
5,700.00	5,630.28	5,633.01	5,623.36	26.34	24.63	157.44	31.67	344.59	912.47	862.26	50.22	18.171		
5,800.00	5,728.91	5,741.61	5,731.95	26.80	25.09	157.93	31.75	343.49	927.27	876.09	51.18	18.119		
5,900.00	5,827.54	5,829.75	5,820.09	27.27	25.46	158.29	32.14	342.82	941.92	889.97	51.96	18.129		
6,000.00	5,926.17	5,933.87	5,924.21	27.73	25.89	158.64	32.32	343.35	957.37	904.51	52.87	18.109		
6,100.00	6,024.80	6,045.61	6,035.93	28.20	26.36	159.00	33.85	343.44	971.60	917.75	53.84	18.044		
6,200.00	6,123.43	6,128.72	6,119.04	28.66	26.71	159.26	34.84	343.53	986.01	931.43	54.58	18.064		
6,272.77	6,195.20	6,212.70	6,203.02	29.00	27.07	159.52	35.58	343.72	996.79	941.47	55.32	18.018		
6,300.00	6,222.05	6,246.00	6,236.30	29.13	27.21	144.83	36.17	343.57	1,000.28	944.67	55.61	17.988		
6,350.00	6,271.23	6,272.91	6,263.21	29.36	27.32	121.90	36.59	344.26	1,006.03	950.18	55.85	18.012		
6,400.00	6,319.99	6,305.39	6,295.64	29.58	27.45	106.82	37.04	346.03	1,010.98	954.86	56.12	18.013		
6,450.00	6,368.01	6,329.00	6,319.16	29.79	27.55	97.35	37.30	348.02	1,015.23	958.94	56.29	18.037		
6,500.00	6,415.02	6,359.86	6,349.74	29.99	27.66	91.35	37.54	352.06	1,018.92	962.42	56.50	18.034		
6,550.00	6,460.71	6,384.25	6,373.68	30.18	27.75	87.25	37.63	356.72	1,022.29	965.67	56.62	18.055		
6,600.00	6,504.81	6,424.00	6,412.05	30.36	27.90	84.61	37.56	367.06	1,025.51	968.58	56.93	18.013		
6,650.00	6,547.04	6,439.60	6,426.91	30.53	27.96	82.47	37.49	371.84	1,027.88	970.96	56.92	18.058		
6,700.00	6,587.14	6,480.14	6,465.31	30.69	28.10	81.39	37.33	384.83	1,029.53	972.26	57.27	17.977		
6,750.00	6,624.87	6,520.29	6,503.05	30.83	28.24	80.86	37.19	398.52	1,030.18	972.54	57.64	17.872		
6,800.00	6,660.00	6,562.26	6,541.86	30.96	28.39	80.78	37.39	414.45	1,029.89	971.81	58.08	17.731		
6,850.00	6,692.30	6,605.17	6,580.49	31.07	28.55	81.04	38.25	433.11	1,028.67	970.09	58.58	17.561		
6,900.00	6,721.58	6,633.89	6,605.76	31.23	28.66	81.22	38.98	446.73	1,026.81	967.88	58.94	17.423		
6,950.00	6,747.66	6,658.17	6,626.96	31.56	28.75	81.52	39.20	458.56	1,024.95	965.65	59.30	17.285		
7,000.00	6,770.37	6,681.61	6,647.30	31.92	28.85	81.96	39.04	470.22	1,023.23	963.51	59.72	17.133		
7,050.00	6,789.58	6,709.00	6,670.88	32.33	28.96	82.68	38.38	484.14	1,021.81	961.53	60.29	16.950		
7,100.00	6,805.17	6,730.26	6,688.91	32.78	29.05	83.30	37.64	495.38	1,020.71	959.86	60.85	16.774		
7,150.00	6,817.03	6,757.85	6,711.72	33.27	29.18	84.22	36.60	510.85	1,019.95	958.36	61.59	16.561		
7,200.00	6,825.11	6,785.74	6,734.07	33.80	29.31	85.22	35.44	527.50	1,019.60	957.21	62.39	16.342		
7,210.20	6,826.29	6,791.47	6,738.56	33.92	29.34	85.43	35.19	531.04	1,019.59	957.03	62.56	16.297		
7,250.00	6,829.35	6,815.73	6,757.27	34.37	29.47	86.36	34.09	546.45	1,019.76	956.48	63.28	16.115		
7,273.12	6,830.00	6,831.09	6,768.89	34.65	29.55	86.97	33.40	556.46	1,019.99	956.26	63.73	16.004		
7,300.00	6,830.28	6,849.25	6,782.44	34.98	29.66	87.72	32.59	568.53	1,020.52	956.25	64.26	15.880		
7,400.00	6,831.31	6,941.80	6,847.62	36.32	30.25	91.34	28.90	634.07	1,025.40	958.85	66.56	15.407		
7,500.00	6,832.34	7,059.21	6,916.60	37.83	31.22	95.13	27.57	728.87	1,031.22	962.04	69.18	14.907		
7,600.00	6,833.37	7,183.90	6,970.41	39.49	32.58	98.02	27.25	841.15	1,037.28	965.17	72.11	14.384		
7,700.00	6,834.40	7,284.92	7,001.56	41.27	33.99	99.66	27.06	937.22	1,042.68	967.56	75.13	13.879		
7,800.00	6,835.44	7,429.31	7,033.13	43.17	36.41	101.30	28.78	1,078.01	1,045.62	966.37	79.26	13.193		
7,900.00	6,836.47	7,551.00	7,046.41	45.17	38.73	101.98	32.76	1,198.88	1,044.54	961.13	83.42	12.522		
7,905.78	6,836.53	7,551.00	7,046.41	45.30	38.73	101.98	32.76	1,198.88	1,044.53	961.00	83.53	12.505		
8,000.00	6,837.50	7,629.52	7,051.18	47.26	40.38	102.19	32.75	1,277.25	1,045.80	958.81	86.99	12.021		
8,100.00	6,838.53	7,772.00	7,052.47	49.43	43.57	102.19	33.55	1,419.70	1,045.78	953.48	92.30	11.330		
8,200.00	6,839.56	7,882.40	7,052.17	51.66	46.23	102.15	37.33	1,530.03	1,042.54	945.44	97.10	10.737		
8,300.00	6,840.59	7,980.73	7,052.48	53.95	48.70	102.15	41.19	1,628.29	1,038.95	937.19	101.76	10.210		
8,400.00	6,841.62	8,067.45	7,053.73	56.29	50.95	102.20	44.25	1,714.94	1,036.03	929.79	106.24	9.752		
8,500.00	6,842.65	8,147.77	7,056.21	58.67	53.10	102.31	45.88	1,795.21	1,034.88	924.26	110.61	9.356		
8,512.03	6,842.78	8,157.58	7,056.56	58.97	53.37	102.32	45.98	1,805.01	1,034.86	923.71	111.15	9.310		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,600.00	6,843.68	8,233.58	7,059.34	61.10	55.45	102.42	46.12	1,880.96	1,035.53	920.32	115.21	8.988		
8,700.00	6,844.71	8,336.58	7,064.22	63.56	58.34	102.63	46.58	1,983.84	1,036.30	915.92	120.38	8.609		
8,800.00	6,845.75	8,428.07	7,069.09	66.05	60.95	102.84	46.38	2,075.19	1,037.83	912.57	125.26	8.285		
8,900.00	6,846.78	8,539.96	7,073.75	68.58	64.19	103.02	46.62	2,186.99	1,038.70	907.83	130.87	7.937		
9,000.00	6,847.81	8,643.11	7,078.19	71.12	67.22	103.21	47.24	2,290.04	1,039.26	903.01	136.25	7.628		
9,100.00	6,848.84	8,749.29	7,082.01	73.69	70.38	103.36	48.45	2,396.14	1,039.14	897.35	141.78	7.329		
9,200.00	6,849.87	8,863.21	7,084.59	76.28	73.80	103.45	50.22	2,510.02	1,038.34	890.71	147.62	7.034		
9,300.00	6,850.90	8,952.97	7,085.79	78.89	76.51	103.49	51.97	2,599.76	1,036.93	884.15	152.78	6.787		
9,355.39	6,851.47	9,001.31	7,086.75	80.34	77.99	103.51	52.43	2,648.08	1,036.77	881.17	155.60	6.663		
9,400.00	6,851.93	9,041.73	7,087.88	81.51	79.22	103.55	52.68	2,688.49	1,036.86	878.95	157.91	6.566		
9,500.00	6,852.96	9,129.37	7,091.35	84.15	81.92	103.69	52.81	2,776.06	1,037.81	874.83	162.98	6.368		
9,600.00	6,853.99	9,223.28	7,095.76	86.80	84.82	103.86	52.03	2,869.86	1,039.87	871.61	168.26	6.180		
9,700.00	6,855.03	9,323.39	7,099.11	89.46	87.94	103.96	50.78	2,969.91	1,042.05	868.22	173.83	5.995		
9,800.00	6,856.06	9,430.04	7,100.86	92.14	91.27	103.97	49.22	3,076.53	1,044.02	864.31	179.71	5.810		
9,900.00	6,857.09	9,535.37	7,100.94	94.83	96.13	103.91	51.33	3,231.82	1,042.84	855.67	187.17	5.572		
10,000.00	6,858.12	9,648.73	7,103.03	97.52	99.38	104.03	56.63	3,335.01	1,038.49	845.63	192.86	5.385		
10,100.00	6,859.15	9,772.10	7,106.80	100.23	102.01	104.23	60.62	3,418.20	1,035.11	837.17	197.94	5.229		
10,200.00	6,860.18	9,852.20	7,110.14	102.94	104.55	104.39	62.81	3,498.20	1,033.62	830.71	202.91	5.094		
10,233.81	6,860.53	9,880.29	7,111.35	103.86	105.44	104.45	63.25	3,526.26	1,033.53	828.91	204.62	5.051		
10,300.00	6,861.21	9,928.00	7,113.68	105.66	106.96	104.55	63.68	3,573.91	1,033.92	826.25	207.67	4.979		
10,400.00	6,862.24	10,005.62	7,117.69	108.39	109.44	104.70	62.88	3,651.42	1,036.47	824.07	212.40	4.880		
10,500.00	6,863.27	10,109.19	7,121.98	111.12	112.75	104.83	59.71	3,754.86	1,040.62	822.42	218.21	4.769		
10,600.00	6,864.30	10,210.42	7,124.01	113.86	116.00	104.83	56.73	3,856.02	1,044.12	820.10	224.02	4.661		
10,700.00	6,865.34	10,326.08	7,123.77	116.60	119.71	104.70	53.36	3,971.62	1,047.04	816.50	230.54	4.542		
10,800.00	6,866.37	10,450.03	7,119.30	119.35	123.69	104.37	51.86	4,095.47	1,047.35	809.87	237.48	4.410		
10,900.00	6,867.40	10,567.18	7,114.06	122.11	127.46	104.02	51.66	4,212.51	1,046.62	802.48	244.14	4.287		
11,000.00	6,868.43	10,692.89	7,109.16	124.87	131.51	103.72	54.75	4,338.07	1,043.43	792.51	250.92	4.158		
11,100.00	6,869.46	10,762.29	7,108.61	127.63	133.75	103.67	56.60	4,407.45	1,040.73	784.79	255.93	4.066		
11,200.00	6,870.49	10,863.18	7,109.78	130.40	137.01	103.70	58.28	4,508.32	1,039.54	777.75	261.79	3.971		
11,300.00	6,871.52	10,961.77	7,109.69	133.17	140.20	103.66	59.93	4,606.89	1,038.05	770.42	267.64	3.879		
11,400.00	6,872.55	11,070.56	7,107.70	135.94	143.72	103.50	61.46	4,715.65	1,036.42	762.51	273.91	3.784		
11,500.00	6,873.58	11,193.59	7,104.13	138.72	147.71	103.30	66.19	4,838.52	1,031.96	751.38	280.59	3.678		
11,600.00	6,874.62	11,270.59	7,102.98	141.50	150.20	103.22	68.68	4,915.48	1,028.63	742.71	285.92	3.598		
11,700.00	6,875.65	11,350.39	7,103.08	144.28	152.80	103.19	69.75	4,995.26	1,027.50	736.31	291.19	3.529		
11,800.00	6,876.68	11,460.51	7,103.67	147.07	156.38	103.17	71.35	5,105.37	1,026.33	728.89	297.44	3.451		
11,863.67	6,877.33	11,511.41	7,103.76	148.84	158.04	103.15	71.78	5,156.26	1,025.93	725.14	300.79	3.411		
11,900.00	6,877.71	11,542.30	7,103.76	149.85	159.05	103.13	71.73	5,187.16	1,026.05	723.30	302.76	3.389		
12,000.00	6,878.74	11,641.99	7,102.99	152.65	162.30	103.02	71.07	5,286.84	1,026.69	717.92	308.77	3.325		
12,100.00	6,879.77	11,755.58	7,100.81	155.44	166.01	102.83	70.89	5,400.40	1,026.58	711.21	315.37	3.255		
12,200.00	6,880.80	11,872.17	7,100.56	158.23	169.82	102.77	72.81	5,516.98	1,025.11	703.23	321.88	3.185		
12,300.00	6,881.83	11,973.95	7,099.92	161.03	173.14	102.71	75.70	5,618.71	1,022.37	694.44	327.92	3.118		
12,393.40	6,882.80	12,041.30	7,100.62	163.65	175.35	102.72	77.16	5,686.04	1,020.88	688.27	332.61	3.069		
12,400.00	6,882.86	12,045.38	7,100.70	163.83	175.48	102.72	77.18	5,690.13	1,020.89	687.98	332.91	3.067		
12,500.00	6,883.89	12,114.00	7,102.56	166.63	177.73	102.77	76.20	5,758.71	1,022.94	685.45	337.49	3.031		
12,600.00	6,884.93	12,214.69	7,102.46	169.43	181.03	102.66	72.88	5,859.33	1,026.31	682.71	343.60	2.987		
12,700.00	6,885.96	12,331.77	7,098.08	172.24	184.87	102.31	68.96	5,976.26	1,028.99	678.30	350.70	2.934		
12,800.00	6,886.99	12,435.65	7,095.79	175.04	188.28	102.10	67.63	6,080.11	1,029.95	672.90	357.05	2.885		
12,900.00	6,888.02	12,535.79	7,095.49	177.85	191.57	102.01	66.30	6,180.23	1,031.36	668.24	363.13	2.840		
13,000.00	6,889.05	12,637.43	7,095.60	180.66	194.91	101.94	65.41	6,281.87	1,032.44	663.19	369.24	2.796		
13,100.00	6,890.08	12,764.92	7,092.88	183.47	199.10	101.72	65.17	6,409.32	1,032.43	655.98	376.44	2.743		
13,200.00	6,891.11	12,874.79	7,090.49	186.28	202.70	101.55	67.65	6,519.13	1,029.94	647.04	382.90	2.690		
13,300.00	6,892.14	12,969.00	7,088.41	189.10	205.79	101.40	69.25	6,613.31	1,028.01	639.12	388.89	2.643		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
13,400.00	6,893.17	13,082.69	7,085.90	191.91	209.52	101.22	72.24	6,726.93	1,025.18	629.73	395.44	2.592		
13,500.00	6,894.21	13,176.37	7,085.45	194.73	212.59	101.17	75.47	6,820.55	1,021.92	620.59	401.33	2.546		
13,600.00	6,895.24	13,271.57	7,087.33	197.54	215.72	101.25	78.21	6,915.69	1,019.67	612.56	407.11	2.505		
13,700.00	6,896.27	13,379.08	7,087.87	200.36	219.25	101.25	81.34	7,023.15	1,017.12	603.82	413.31	2.461		
13,800.00	6,897.30	13,479.35	7,086.97	203.18	222.55	101.17	84.55	7,123.36	1,014.01	594.61	419.41	2.418		
13,900.00	6,898.33	13,563.43	7,086.23	206.00	225.31	101.10	86.64	7,207.41	1,011.64	586.58	425.05	2.380		
14,000.00	6,899.36	13,661.67	7,086.01	208.82	228.55	101.04	87.77	7,305.65	1,010.66	579.57	431.09	2.344		
14,077.81	6,900.16	13,726.66	7,085.40	211.01	230.69	100.97	88.51	7,370.64	1,009.87	574.46	435.41	2.319		
14,100.00	6,900.39	13,741.88	7,085.35	211.64	231.19	100.96	88.47	7,385.85	1,009.95	573.46	436.49	2.314		
14,200.00	6,901.42	13,820.37	7,085.49	214.46	233.78	100.90	86.94	7,464.33	1,012.03	570.40	441.63	2.292		
14,300.00	6,902.45	13,921.08	7,083.87	217.28	237.11	100.72	83.89	7,564.97	1,014.91	566.99	447.92	2.266		
14,400.00	6,903.48	14,030.15	7,084.80	220.11	240.71	100.68	81.67	7,674.02	1,017.29	562.86	454.43	2.239		
14,500.00	6,904.52	14,133.31	7,084.44	222.93	244.12	100.58	80.21	7,777.16	1,018.82	558.10	460.73	2.211		
14,600.00	6,905.55	14,242.15	7,082.32	225.76	247.71	100.38	78.63	7,885.96	1,020.13	552.74	467.38	2.183		
14,700.00	6,906.58	14,355.84	7,080.84	228.58	251.46	100.23	78.61	7,999.65	1,020.13	546.02	474.12	2.152		
14,800.00	6,907.61	14,459.03	7,078.87	231.41	254.87	100.07	79.34	8,102.81	1,019.32	538.85	480.47	2.122		
14,900.00	6,908.64	14,557.48	7,080.05	234.24	258.12	100.08	80.61	8,201.23	1,018.49	532.05	486.44	2.094		
15,000.00	6,909.67	14,664.07	7,082.97	237.06	261.64	100.20	82.64	8,307.77	1,017.32	524.77	492.54	2.065		
15,100.00	6,910.70	14,769.32	7,084.49	239.89	265.11	100.24	84.88	8,412.98	1,015.70	517.03	498.68	2.037		
15,200.00	6,911.73	14,874.97	7,084.20	242.72	268.59	100.19	87.68	8,518.59	1,013.25	508.32	504.93	2.007		
15,300.00	6,912.76	14,973.30	7,084.70	245.55	271.84	100.18	90.39	8,616.88	1,010.85	499.91	510.94	1.978		
15,400.00	6,913.80	15,064.91	7,084.08	248.38	274.86	100.12	92.53	8,708.46	1,008.68	491.83	516.85	1.952		
15,500.00	6,914.83	15,153.05	7,084.57	251.21	277.77	100.10	93.50	8,796.60	1,007.89	485.35	522.54	1.929		
15,600.00	6,915.86	15,255.03	7,084.19	254.04	281.14	100.02	94.01	8,898.58	1,007.57	478.79	528.78	1.905		
15,700.00	6,916.89	15,358.30	7,082.42	256.88	284.56	99.86	94.83	9,001.82	1,006.71	471.55	535.15	1.881		
15,800.00	6,917.92	15,460.84	7,081.15	259.71	287.95	99.74	95.79	9,104.36	1,005.81	464.34	541.46	1.858		
15,900.00	6,918.95	15,553.74	7,079.51	262.54	291.02	99.60	96.70	9,197.23	1,004.79	457.31	547.48	1.835		
15,929.57	6,919.26	15,579.06	7,079.35	263.38	291.86	99.57	96.79	9,222.55	1,004.73	455.58	549.15	1.830		
16,000.00	6,919.98	15,644.07	7,079.09	265.37	294.01	99.52	96.69	9,287.56	1,004.96	451.67	553.29	1.816		
16,100.00	6,921.01	15,739.21	7,078.09	268.21	297.16	99.40	95.97	9,382.70	1,005.76	446.44	559.33	1.798		
16,200.00	6,922.04	15,840.26	7,078.81	271.04	300.50	99.37	95.22	9,483.73	1,006.85	441.37	565.48	1.781		
16,300.00	6,923.08	15,971.52	7,076.94	273.88	304.85	99.18	95.58	9,614.97	1,006.70	433.84	572.86	1.757		
16,400.00	6,924.11	16,059.89	7,077.69	276.71	307.77	99.19	97.41	9,703.32	1,005.05	426.45	578.60	1.737		
16,500.00	6,925.14	16,153.89	7,079.74	279.55	310.88	99.26	98.62	9,797.29	1,004.36	419.98	584.38	1.719		
16,580.34	6,925.97	16,229.96	7,079.98	281.82	313.40	99.23	99.01	9,873.35	1,004.19	415.04	589.14	1.704		
16,600.00	6,926.17	16,248.56	7,079.66	282.38	314.01	99.20	98.99	9,891.95	1,004.20	413.86	590.34	1.701		
16,700.00	6,927.20	16,359.56	7,079.47	285.22	317.69	99.12	99.64	10,002.93	1,003.85	406.95	596.90	1.682		
16,800.00	6,928.23	16,460.75	7,081.61	288.05	321.03	99.20	101.32	10,104.08	1,002.78	399.87	602.91	1.663		
16,900.00	6,929.26	16,553.07	7,082.41	290.89	324.09	99.20	102.44	10,196.39	1,001.98	393.24	608.74	1.646		
16,915.44	6,929.42	16,565.12	7,082.42	291.33	324.49	99.19	102.49	10,208.44	1,001.95	392.39	609.56	1.644		
17,000.00	6,930.29	16,631.06	7,082.34	293.73	326.68	99.14	102.02	10,274.38	1,002.74	388.76	613.98	1.633		
17,100.00	6,931.32	16,717.76	7,081.75	296.56	329.55	99.03	99.86	10,361.04	1,005.32	385.81	619.51	1.623 ES		
17,200.00	6,932.35	16,769.00	7,081.21	299.40	331.25	98.96	98.25	10,412.26	1,009.68	387.45	622.23	1.623 SF		
17,300.00	6,933.39	16,769.00	7,081.21	302.24	331.25	98.96	98.25	10,412.26	1,022.55	405.74	616.82	1.658		
17,400.00	6,934.42	16,769.00	7,081.21	305.08	331.25	98.96	98.25	10,412.26	1,044.88	438.79	606.08	1.724		
17,500.00	6,935.45	16,769.00	7,081.21	307.92	331.25	98.96	98.25	10,412.26	1,076.07	485.10	590.97	1.821		
17,553.57	6,936.00	16,769.00	7,081.21	309.44	331.25	98.96	98.25	10,412.26	1,096.17	514.72	581.45	1.885		
17,553.96	6,936.00	16,769.00	7,081.21	309.45	331.25	98.96	98.25	10,412.26	1,096.32	514.94	581.38	1.886		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-81.63	137.37	-933.94	4,882.13					
100.00	100.00	0.00	0.00	3.28	0.00	-81.63	137.37	-933.94	4,784.06	4,777.15	6.91	692.341		
200.00	200.00	0.00	0.00	3.34	0.00	-81.63	137.37	-933.94	4,686.07	4,679.28	6.79	690.597		
300.00	300.00	0.00	0.00	3.44	0.00	-81.63	137.37	-933.94	4,588.16	4,581.50	6.66	688.519		
400.00	399.98	0.00	0.00	3.60	0.00	-87.12	137.37	-933.94	4,490.29	4,483.74	6.55	686.008		
500.00	499.84	0.00	0.00	3.81	0.00	-96.51	137.37	-933.94	4,392.48	4,386.05	6.43	683.103		
600.00	599.45	0.00	0.00	4.06	0.00	-105.35	137.37	-933.94	4,294.85	4,288.53	6.32	679.909		
700.00	698.70	0.00	0.00	4.34	0.00	-113.31	137.37	-933.94	4,197.54	4,191.34	6.21	676.376		
775.00	772.83	0.00	0.00	4.57	0.00	-118.61	137.37	-933.94	4,124.86	4,118.74	6.12	673.512		
800.00	797.48	0.00	0.00	4.65	0.00	-118.61	137.37	-933.94	4,100.69	4,094.60	6.10	672.547		
900.00	896.11	0.00	0.00	4.97	0.00	-118.61	137.37	-933.94	4,004.11	3,998.11	6.00	667.418		
1,000.00	994.74	0.00	0.00	5.31	0.00	-118.61	137.37	-933.94	3,907.70	3,901.79	5.91	661.449		
1,100.00	1,093.37	0.00	0.00	5.68	0.00	-118.61	137.37	-933.94	3,811.48	3,805.65	5.82	654.528		
1,200.00	1,192.00	0.00	0.00	6.06	0.00	-118.61	137.37	-933.94	3,715.45	3,709.71	5.75	646.533		
1,300.00	1,290.63	0.00	0.00	6.45	0.00	-118.61	137.37	-933.94	3,619.64	3,613.96	5.68	637.334		
1,400.00	1,389.26	0.00	0.00	6.86	0.00	-118.61	137.37	-933.94	3,524.07	3,518.44	5.62	626.794		
1,500.00	1,487.88	0.00	0.00	7.27	0.00	-118.61	137.37	-933.94	3,428.74	3,423.17	5.58	614.780		
1,600.00	1,586.51	0.00	0.00	7.69	0.00	-118.61	137.37	-933.94	3,333.69	3,328.15	5.55	601.165		
1,700.00	1,685.14	0.00	0.00	8.11	0.00	-118.61	137.37	-933.94	3,238.94	3,233.41	5.53	585.838		
1,800.00	1,783.77	0.00	0.00	8.54	0.00	-118.61	137.37	-933.94	3,144.51	3,138.98	5.53	568.719		
1,900.00	1,882.40	0.00	0.00	8.97	0.00	-118.61	137.37	-933.94	3,050.44	3,044.89	5.55	549.763		
2,000.00	1,981.03	0.00	0.00	9.41	0.00	-118.61	137.37	-933.94	2,956.76	2,951.17	5.59	528.982		
2,100.00	2,079.66	0.00	0.00	9.84	0.00	-118.61	137.37	-933.94	2,863.50	2,857.85	5.65	506.446		
2,200.00	2,178.28	0.00	0.00	10.29	0.00	-118.61	137.37	-933.94	2,770.72	2,764.97	5.74	482.296		
2,300.00	2,276.91	0.00	0.00	10.73	0.00	-118.61	137.37	-933.94	2,678.45	2,672.59	5.86	456.739		
2,400.00	2,375.54	0.00	0.00	11.18	0.00	-118.61	137.37	-933.94	2,586.76	2,580.75	6.02	430.049		
2,500.00	2,474.17	0.00	0.00	11.62	0.00	-118.61	137.37	-933.94	2,495.71	2,489.51	6.20	402.551		
2,600.00	2,572.80	0.00	0.00	12.07	0.00	-118.61	137.37	-933.94	2,405.37	2,398.95	6.42	374.606		
2,700.00	2,671.43	0.00	0.00	12.52	0.00	-118.61	137.37	-933.94	2,315.82	2,309.14	6.68	346.588		
2,800.00	2,770.05	0.00	0.00	12.97	0.00	-118.61	137.37	-933.94	2,227.16	2,220.18	6.98	318.866		
2,900.00	2,868.68	0.00	0.00	13.43	0.00	-118.61	137.37	-933.94	2,139.50	2,132.17	7.33	291.781		
3,000.00	2,967.31	0.00	0.00	13.88	0.00	-118.61	137.37	-933.94	2,052.97	2,045.25	7.73	265.636		
3,100.00	3,065.94	0.00	0.00	14.34	0.00	-118.61	137.37	-933.94	1,967.72	1,959.55	8.18	240.683		
3,200.00	3,164.57	0.00	0.00	14.79	0.00	-118.61	137.37	-933.94	1,883.92	1,875.24	8.68	217.120		
3,300.00	3,263.20	0.00	0.00	15.25	0.00	-118.61	137.37	-933.94	1,801.77	1,792.54	9.24	195.090		
3,400.00	3,361.83	0.00	0.00	15.71	0.00	-118.61	137.37	-933.94	1,721.51	1,711.66	9.85	174.687		
3,500.00	3,460.45	0.00	0.00	16.17	0.00	-118.61	137.37	-933.94	1,643.42	1,632.89	10.54	155.960		
3,600.00	3,559.08	0.00	0.00	16.62	0.00	-118.61	137.37	-933.94	1,567.82	1,556.54	11.29	138.922		
3,700.00	3,657.71	0.00	0.00	17.08	0.00	-118.61	137.37	-933.94	1,495.09	1,482.99	12.10	123.556		
3,800.00	3,756.34	0.00	0.00	17.54	0.00	-118.61	137.37	-933.94	1,425.67	1,412.69	12.98	109.824		
3,900.00	3,854.97	0.00	0.00	18.00	0.00	-118.61	137.37	-933.94	1,360.06	1,346.13	13.93	97.670		
4,000.00	3,953.60	0.00	0.00	18.46	0.00	-118.61	137.37	-933.94	1,298.84	1,283.91	14.92	87.029		
4,100.00	4,052.23	0.00	0.00	18.92	0.00	-118.61	137.37	-933.94	1,242.66	1,226.70	15.97	77.828		
4,200.00	4,150.85	0.00	0.00	19.39	0.00	-118.61	137.37	-933.94	1,192.24	1,175.21	17.03	69.993		
4,300.00	4,249.48	0.00	0.00	19.85	0.00	-118.61	137.37	-933.94	1,148.33	1,130.23	18.10	63.446		
4,400.00	4,348.11	0.00	0.00	20.31	0.00	-118.61	137.37	-933.94	1,111.71	1,092.58	19.13	58.112		
4,500.00	4,446.74	0.00	0.00	20.77	0.00	-118.61	137.37	-933.94	1,083.11	1,063.02	20.09	53.919		
4,600.00	4,545.37	0.00	0.00	21.23	0.00	-118.61	137.37	-933.94	1,063.18	1,042.25	20.93	50.797		
4,700.00	4,644.00	0.00	0.00	21.70	0.00	-118.61	137.37	-933.94	1,052.42	1,030.80	21.62	48.680		
4,763.86	4,706.98	0.00	0.00	21.99	0.00	-118.61	137.37	-933.94	1,050.48	1,028.51	21.97	47.824 CC, ES		
4,800.00	4,742.63	0.00	0.00	22.16	0.00	-118.61	137.37	-933.94	1,051.10	1,028.97	22.13	47.504		
4,900.00	4,841.25	44.17	44.17	22.62	0.11	-118.96	137.22	-934.03	1,058.20	1,035.57	22.63	46.752		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 22-5-4NBHZ - OH - OH		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	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	4,939.88	137.12	137.11	23.09	0.52	-119.69	136.67	-934.71	1,067.31	1,043.83	23.49	45.442				
5,100.00	5,038.51	228.46	228.44	23.55	0.92	-120.39	135.94	-935.90	1,077.20	1,052.87	24.33	44.276				
5,200.00	5,137.14	326.74	326.71	24.02	1.35	-121.12	135.03	-937.54	1,087.63	1,062.42	25.21	43.136				
5,300.00	5,235.77	418.74	418.68	24.48	1.76	-121.81	133.78	-939.08	1,098.50	1,072.45	26.06	42.157				
5,400.00	5,334.40	506.89	506.79	24.94	2.15	-122.50	131.49	-940.58	1,110.30	1,083.43	26.87	41.317				
5,500.00	5,433.03	601.24	601.06	25.41	2.57	-123.27	127.91	-942.12	1,122.96	1,095.24	27.73	40.499				
5,600.00	5,531.65	688.43	688.13	25.87	2.96	-124.03	123.50	-943.26	1,136.39	1,107.86	28.53	39.831				
5,700.00	5,630.28	772.34	771.85	26.34	3.34	-124.78	118.03	-944.54	1,151.12	1,121.82	29.31	39.280				
5,800.00	5,728.91	858.22	857.45	26.80	3.73	-125.56	111.29	-946.18	1,167.23	1,137.14	30.09	38.787				
5,900.00	5,827.54	942.37	941.26	27.27	4.12	-126.32	104.07	-948.25	1,184.51	1,153.64	30.86	38.379				
6,000.00	5,926.17	1,025.38	1,023.87	27.73	4.51	-127.03	96.52	-951.28	1,203.23	1,171.61	31.62	38.053				
6,100.00	6,024.80	1,113.84	1,111.85	28.20	4.94	-127.75	88.25	-955.44	1,223.10	1,190.68	32.42	37.725				
6,200.00	6,123.43	1,210.92	1,208.38	28.66	5.41	-128.50	79.26	-960.43	1,243.45	1,210.15	33.30	37.343				
6,272.77	6,195.20	1,283.79	1,280.87	29.00	5.76	-129.02	73.07	-964.56	1,258.27	1,224.31	33.96	37.056				
6,300.00	6,222.05	1,311.36	1,308.30	29.13	5.89	-144.10	70.89	-966.22	1,264.21	1,230.01	34.20	36.960				
6,350.00	6,271.23	1,362.51	1,359.21	29.36	6.13	-167.77	66.86	-969.20	1,277.20	1,242.54	34.66	36.844 SF				
6,400.00	6,319.99	1,408.54	1,405.02	29.58	6.36	176.17	63.20	-971.73	1,292.80	1,257.72	35.08	36.856				
6,450.00	6,368.01	1,445.62	1,441.90	29.79	6.54	165.56	59.98	-973.78	1,311.23	1,275.82	35.41	37.031				
6,500.00	6,415.02	1,481.52	1,477.58	29.99	6.71	158.07	56.55	-975.81	1,332.47	1,296.74	35.73	37.293				
6,550.00	6,460.71	1,521.45	1,517.23	30.18	6.91	152.35	52.39	-978.02	1,356.29	1,320.20	36.09	37.581				
6,600.00	6,504.81	1,561.25	1,556.73	30.36	7.11	147.62	47.91	-979.98	1,382.42	1,345.97	36.45	37.927				
6,650.00	6,547.04	1,597.36	1,592.55	30.53	7.29	143.42	43.54	-981.55	1,410.73	1,373.95	36.78	38.356				
6,700.00	6,587.14	1,629.15	1,624.02	30.69	7.45	139.42	39.28	-982.72	1,441.17	1,404.09	37.07	38.873				
6,750.00	6,624.87	1,659.01	1,653.54	30.83	7.60	135.46	34.91	-983.62	1,473.58	1,436.23	37.35	39.449				
6,800.00	6,660.00	1,691.74	1,685.86	30.96	7.77	131.53	29.74	-984.40	1,507.78	1,470.11	37.67	40.028				
6,850.00	6,692.30	1,730.56	1,724.18	31.07	7.97	127.68	23.56	-985.08	1,543.39	1,505.35	38.05	40.564				
6,900.00	6,721.58	1,766.27	1,759.44	31.23	8.16	123.64	17.90	-985.47	1,580.24	1,541.83	38.41	41.144				
6,950.00	6,747.66	1,804.27	1,796.97	31.56	8.35	119.55	11.96	-985.64	1,618.17	1,579.37	38.79	41.711				
7,000.00	6,770.37	1,839.40	1,831.69	31.92	8.53	115.21	6.64	-985.55	1,656.99	1,617.83	39.16	42.311				
7,050.00	6,789.58	1,870.09	1,862.04	32.33	8.69	110.52	2.13	-985.29	1,696.61	1,657.11	39.50	42.955				
7,100.00	6,805.17	1,878.88	1,870.74	32.78	8.73	104.59	0.84	-985.21	1,736.98	1,697.33	39.65	43.807				
7,150.00	6,817.03	1,887.25	1,879.02	33.27	8.78	98.41	-0.39	-985.16	1,777.95	1,738.14	39.81	44.661				
7,200.00	6,825.11	1,892.91	1,884.62	33.80	8.80	92.01	-1.23	-985.13	1,819.28	1,779.32	39.96	45.533				
7,250.00	6,829.35	1,895.90	1,887.58	34.37	8.82	85.55	-1.67	-985.12	1,860.73	1,820.65	40.09	46.419				
7,273.12	6,830.00	1,896.39	1,888.06	34.65	8.82	82.61	-1.74	-985.12	1,879.88	1,839.74	40.14	46.832				
7,300.00	6,830.28	1,896.64	1,888.30	34.98	8.82	82.62	-1.78	-985.11	1,902.18	1,861.97	40.20	47.312				
7,400.00	6,831.31	1,897.53	1,889.19	36.32	8.83	82.67	-1.91	-985.11	1,986.13	1,945.67	40.46	49.090				
7,500.00	6,832.34	1,898.40	1,890.05	37.83	8.83	82.71	-2.04	-985.11	2,071.50	2,030.77	40.72	50.866				
7,600.00	6,833.37	1,899.24	1,890.88	39.49	8.84	82.76	-2.16	-985.11	2,158.13	2,117.13	41.00	52.643				
7,700.00	6,834.40	1,900.05	1,891.68	41.27	8.84	82.80	-2.28	-985.10	2,245.87	2,204.60	41.27	54.422				
7,800.00	6,835.44	1,900.84	1,892.46	43.17	8.85	82.85	-2.40	-985.10	2,334.60	2,293.06	41.54	56.204				
7,900.00	6,836.47	1,901.61	1,893.22	45.17	8.85	82.89	-2.51	-985.10	2,424.20	2,382.40	41.80	57.991				
8,000.00	6,837.50	1,902.35	1,893.96	47.26	8.85	82.93	-2.62	-985.10	2,514.59	2,472.52	42.06	59.782				
8,100.00	6,838.53	1,903.08	1,894.67	49.43	8.86	82.97	-2.73	-985.10	2,605.68	2,563.36	42.31	61.578				
8,200.00	6,839.56	1,903.78	1,895.37	51.66	8.86	83.01	-2.83	-985.09	2,697.40	2,654.84	42.56	63.380				
8,300.00	6,840.59	1,904.46	1,896.04	53.95	8.86	83.04	-2.94	-985.09	2,789.69	2,746.89	42.80	65.185				
8,400.00	6,841.62	1,905.13	1,896.70	56.29	8.87	83.08	-3.04	-985.09	2,882.49	2,839.46	43.03	66.996				
8,500.00	6,842.65	1,905.77	1,897.34	58.67	8.87	83.11	-3.13	-985.09	2,975.76	2,932.51	43.25	68.810				
8,600.00	6,843.68	1,906.40	1,897.96	61.10	8.87	83.15	-3.22	-985.09	3,069.45	3,025.99	43.46	70.628				
8,700.00	6,844.71	1,907.02	1,898.57	63.56	8.88	83.18	-3.32	-985.09	3,163.53	3,119.87	43.66	72.450				
8,800.00	6,845.75	1,907.61	1,899.16	66.05	8.88	83.21	-3.40	-985.09	3,257.96	3,214.10	43.86	74.275				
8,900.00	6,846.78	1,908.19	1,899.73	68.58	8.88	83.25	-3.49	-985.09	3,352.72	3,308.66	44.06	76.103				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,847.81	1,908.76	1,900.29	71.12	8.89	83.28	-3.58	-985.09	3,447.77	3,403.53	44.24	77.933		
9,100.00	6,848.84	1,909.31	1,900.84	73.69	8.89	83.31	-3.66	-985.09	3,543.09	3,498.67	44.42	79.765		
9,200.00	6,849.87	1,909.85	1,901.37	76.28	8.89	83.34	-3.74	-985.09	3,638.66	3,594.07	44.59	81.598		
9,300.00	6,850.90	1,910.38	1,901.89	78.89	8.89	83.36	-3.82	-985.09	3,734.47	3,689.71	44.76	83.433		
9,400.00	6,851.93	1,910.89	1,902.40	81.51	8.90	83.39	-3.89	-985.09	3,830.49	3,785.57	44.92	85.269		
9,500.00	6,852.96	1,911.39	1,902.90	84.15	8.90	83.42	-3.97	-985.09	3,926.71	3,881.63	45.08	87.105		
9,600.00	6,853.99	1,911.88	1,903.38	86.80	8.90	83.45	-4.04	-985.09	4,023.11	3,977.88	45.23	88.942		
9,700.00	6,855.03	1,912.36	1,903.85	89.46	8.90	83.47	-4.11	-985.09	4,119.68	4,074.30	45.38	90.778		
9,800.00	6,856.06	1,912.83	1,904.31	92.14	8.91	83.50	-4.18	-985.09	4,216.42	4,170.89	45.53	92.614		
9,900.00	6,857.09	1,913.28	1,904.76	94.83	8.91	83.52	-4.25	-985.09	4,313.30	4,267.63	45.67	94.450		
10,000.00	6,858.12	1,913.73	1,905.20	97.52	8.91	83.55	-4.32	-985.09	4,410.32	4,364.52	45.80	96.285		
10,100.00	6,859.15	1,914.16	1,905.64	100.23	8.91	83.57	-4.38	-985.09	4,507.47	4,461.53	45.94	98.119		
10,200.00	6,860.18	1,914.59	1,906.06	102.94	8.92	83.59	-4.44	-985.09	4,604.75	4,558.68	46.07	99.951		
10,300.00	6,861.21	1,915.01	1,906.47	105.66	8.92	83.61	-4.51	-985.09	4,702.14	4,655.94	46.20	101.782		
10,400.00	6,862.24	1,915.42	1,906.87	108.39	8.92	83.64	-4.57	-985.09	4,799.63	4,753.31	46.32	103.611		
10,500.00	6,863.27	1,915.82	1,907.27	111.12	8.92	83.66	-4.63	-985.09	4,897.23	4,850.78	46.45	105.438		
10,600.00	6,864.30	1,916.21	1,907.65	113.86	8.92	83.68	-4.69	-985.09	4,994.92	4,948.35	46.57	107.263		
10,700.00	6,865.34	1,916.59	1,908.03	116.60	8.93	83.70	-4.74	-985.09	5,092.70	5,046.01	46.69	109.086		
10,800.00	6,866.37	1,916.96	1,908.40	119.35	8.93	83.72	-4.80	-985.09	5,190.56	5,143.76	46.80	110.906		
10,900.00	6,867.40	11,600.00	7,078.38	122.11	157.04	162.83	-482.08	3,632.99	5,265.01	5,144.93	120.08	43.845		
11,000.00	6,868.43	11,600.00	7,078.38	124.87	157.04	162.83	-482.08	3,632.99	5,275.69	5,154.52	121.17	43.540		
11,100.00	6,869.46	11,600.00	7,078.38	127.63	157.04	162.83	-482.08	3,632.99	5,288.24	5,166.02	122.22	43.268		
11,200.00	6,870.49	11,600.00	7,078.38	130.40	157.04	162.83	-482.08	3,632.99	5,302.64	5,179.40	123.24	43.029		
11,300.00	6,871.52	11,600.00	7,078.38	133.17	157.04	162.83	-482.08	3,632.99	5,318.88	5,194.67	124.21	42.820		
11,400.00	6,872.55	11,600.00	7,078.38	135.94	157.04	162.83	-482.08	3,632.99	5,336.95	5,211.80	125.15	42.643		
11,500.00	6,873.58	11,600.00	7,078.38	138.72	157.04	162.83	-482.08	3,632.99	5,356.83	5,230.77	126.06	42.495		
11,600.00	6,874.62	11,600.00	7,078.38	141.50	157.04	162.83	-482.08	3,632.99	5,378.49	5,251.57	126.92	42.376		
11,700.00	6,875.65	11,600.00	7,078.38	144.28	157.04	162.83	-482.08	3,632.99	5,401.92	5,274.17	127.75	42.284		
11,800.00	6,876.68	11,600.00	7,078.38	147.07	157.04	162.83	-482.08	3,632.99	5,427.09	5,298.54	128.54	42.220		
11,900.00	6,877.71	11,600.00	7,078.38	149.85	157.04	162.83	-482.08	3,632.99	5,453.97	5,324.68	129.29	42.183		
12,000.00	6,878.74	11,600.00	7,078.38	152.65	157.04	162.83	-482.08	3,632.99	5,482.55	5,352.54	130.01	42.171		
12,100.00	6,879.77	11,600.00	7,078.38	155.44	157.04	162.83	-482.08	3,632.99	5,512.79	5,382.11	130.69	42.183		
12,200.00	6,880.80	11,600.00	7,078.38	158.23	157.04	162.83	-482.08	3,632.99	5,544.68	5,413.35	131.33	42.220		
12,300.00	6,881.83	11,600.00	7,078.38	161.03	157.04	162.83	-482.08	3,632.99	5,578.17	5,446.24	131.93	42.281		
12,400.00	6,882.86	11,600.00	7,078.38	163.83	157.04	162.83	-482.08	3,632.99	5,613.25	5,480.75	132.50	42.364		
12,500.00	6,883.89	11,600.00	7,078.38	166.63	157.04	162.83	-482.08	3,632.99	5,649.88	5,516.84	133.03	42.469		
12,600.00	6,884.93	11,600.00	7,078.38	169.43	157.04	162.83	-482.08	3,632.99	5,688.03	5,554.49	133.53	42.596		
12,700.00	6,885.96	11,600.00	7,078.38	172.24	157.04	162.83	-482.08	3,632.99	5,727.67	5,593.67	134.00	42.744		
12,800.00	6,886.99	11,600.00	7,078.38	175.04	157.04	162.83	-482.08	3,632.99	5,768.77	5,634.34	134.44	42.911		
12,900.00	6,888.02	11,600.00	7,078.38	177.85	157.04	162.83	-482.08	3,632.99	5,811.31	5,676.47	134.84	43.098		
13,000.00	6,889.05	11,600.00	7,078.38	180.66	157.04	162.83	-482.08	3,632.99	5,855.24	5,720.03	135.21	43.304		
13,100.00	6,890.08	11,600.00	7,078.38	183.47	157.04	162.83	-482.08	3,632.99	5,900.54	5,764.98	135.56	43.528		
13,200.00	6,891.11	11,600.00	7,078.38	186.28	157.04	162.83	-482.08	3,632.99	5,947.18	5,811.30	135.87	43.770		
13,300.00	6,892.14	11,600.00	7,078.38	189.10	157.04	162.83	-482.08	3,632.99	5,995.12	5,858.96	136.16	44.030		
13,400.00	6,893.17	11,600.00	7,078.38	191.91	157.04	162.83	-482.08	3,632.99	6,044.34	5,907.91	136.42	44.306		
13,500.00	6,894.21	11,600.00	7,078.38	194.73	157.04	162.83	-482.08	3,632.99	6,094.80	5,958.14	136.66	44.598		
13,600.00	6,895.24	11,600.00	7,078.38	197.54	157.04	162.83	-482.08	3,632.99	6,146.47	6,009.60	136.87	44.906		
13,700.00	6,896.27	11,600.00	7,078.38	200.36	157.04	162.83	-482.08	3,632.99	6,199.33	6,062.26	137.07	45.229		
13,800.00	6,897.30	11,600.00	7,078.38	203.18	157.04	162.83	-482.08	3,632.99	6,253.33	6,116.10	137.23	45.567		
13,900.00	6,898.33	11,600.00	7,078.38	206.00	157.04	162.83	-482.08	3,632.99	6,308.47	6,171.08	137.38	45.919		
14,000.00	6,899.36	11,600.00	7,078.38	208.82	157.04	162.83	-482.08	3,632.99	6,364.69	6,227.18	137.51	46.285		
14,100.00	6,900.39	11,600.00	7,078.38	211.64	157.04	162.83	-482.08	3,632.99	6,421.98	6,284.36	137.62	46.664		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	6,901.42	11,600.00	7,078.38	214.46	157.04	162.83	-482.08	3,632.99	6,480.31	6,342.59	137.71	47.057		
14,300.00	6,902.45	11,600.00	7,078.38	217.28	157.04	162.83	-482.08	3,632.99	6,539.64	6,401.85	137.79	47.462		
14,400.00	6,903.48	11,600.00	7,078.38	220.11	157.04	162.83	-482.08	3,632.99	6,599.96	6,462.11	137.85	47.879		
14,500.00	6,904.52	11,600.00	7,078.38	222.93	157.04	162.83	-482.08	3,632.99	6,661.23	6,523.34	137.89	48.308		
14,600.00	6,905.55	11,600.00	7,078.38	225.76	157.04	162.83	-482.08	3,632.99	6,723.43	6,585.51	137.92	48.748		
14,700.00	6,906.58	11,600.00	7,078.38	228.58	157.04	162.83	-482.08	3,632.99	6,786.54	6,648.60	137.94	49.200		
14,800.00	6,907.61	11,600.00	7,078.38	231.41	157.04	162.83	-482.08	3,632.99	6,850.52	6,712.58	137.94	49.662		
14,900.00	6,908.64	11,600.00	7,078.38	234.24	157.04	162.83	-482.08	3,632.99	6,915.36	6,777.42	137.94	50.135		
15,000.00	6,909.67	11,600.00	7,078.38	237.06	157.04	162.83	-482.08	3,632.99	6,981.03	6,843.11	137.92	50.617		
15,100.00	6,910.70	11,600.00	7,078.38	239.89	157.04	162.83	-482.08	3,632.99	7,047.50	6,909.61	137.89	51.110		
15,200.00	6,911.73	11,600.00	7,078.38	242.72	157.04	162.83	-482.08	3,632.99	7,114.76	6,976.91	137.85	51.612		
15,300.00	6,912.76	11,600.00	7,078.38	245.55	157.04	162.83	-482.08	3,632.99	7,182.78	7,044.98	137.80	52.123		
15,400.00	6,913.80	11,600.00	7,078.38	248.38	157.04	162.83	-482.08	3,632.99	7,251.55	7,113.80	137.75	52.643		
15,500.00	6,914.83	11,600.00	7,078.38	251.21	157.04	162.83	-482.08	3,632.99	7,321.03	7,183.34	137.69	53.171		
15,600.00	6,915.86	11,600.00	7,078.38	254.04	157.04	162.83	-482.08	3,632.99	7,391.21	7,253.59	137.62	53.708		
15,700.00	6,916.89	11,600.00	7,078.38	256.88	157.04	162.83	-482.08	3,632.99	7,462.08	7,324.53	137.54	54.253		
15,800.00	6,917.92	11,600.00	7,078.38	259.71	157.04	162.83	-482.08	3,632.99	7,533.60	7,396.14	137.46	54.806		
15,900.00	6,918.95	11,600.00	7,078.38	262.54	157.04	162.83	-482.08	3,632.99	7,605.76	7,468.39	137.37	55.366		
16,000.00	6,919.98	11,600.00	7,078.38	265.37	157.04	162.83	-482.08	3,632.99	7,678.55	7,541.28	137.28	55.934		
16,100.00	6,921.01	11,600.00	7,078.38	268.21	157.04	162.83	-482.08	3,632.99	7,751.95	7,614.77	137.18	56.509		
16,200.00	6,922.04	11,600.00	7,078.38	271.04	157.04	162.83	-482.08	3,632.99	7,825.94	7,688.86	137.08	57.090		
16,300.00	6,923.08	11,600.00	7,078.38	273.88	157.04	162.83	-482.08	3,632.99	7,900.50	7,763.52	136.97	57.679		
16,400.00	6,924.11	11,600.00	7,078.38	276.71	157.04	162.83	-482.08	3,632.99	7,975.61	7,838.75	136.87	58.273		
16,500.00	6,925.14	11,600.00	7,078.38	279.55	157.04	162.83	-482.08	3,632.99	8,051.27	7,914.52	136.75	58.874		
16,600.00	6,926.17	11,600.00	7,078.38	282.38	157.04	162.83	-482.08	3,632.99	8,127.45	7,990.81	136.64	59.481		
16,700.00	6,927.20	11,600.00	7,078.38	285.22	157.04	162.83	-482.08	3,632.99	8,204.15	8,067.62	136.52	60.094		
16,800.00	6,928.23	11,600.00	7,078.38	288.05	157.04	162.83	-482.08	3,632.99	8,281.34	8,144.94	136.40	60.712		
16,900.00	6,929.26	11,600.00	7,078.38	290.89	157.04	162.83	-482.08	3,632.99	8,359.01	8,222.73	136.28	61.336		
17,000.00	6,930.29	11,600.00	7,078.38	293.73	157.04	162.83	-482.08	3,632.99	8,437.16	8,301.00	136.16	61.965		
17,100.00	6,931.32	11,600.00	7,078.38	296.56	157.04	162.83	-482.08	3,632.99	8,515.76	8,379.73	136.04	62.599		
17,200.00	6,932.35	11,600.00	7,078.38	299.40	157.04	162.83	-482.08	3,632.99	8,594.81	8,458.90	135.91	63.238		
17,300.00	6,933.39	11,600.00	7,078.38	302.24	157.04	162.83	-482.08	3,632.99	8,674.29	8,538.50	135.79	63.882		
17,400.00	6,934.42	11,600.00	7,078.38	305.08	157.04	162.83	-482.08	3,632.99	8,754.19	8,618.53	135.66	64.531		
17,500.00	6,935.45	11,600.00	7,078.38	307.92	157.04	162.83	-482.08	3,632.99	8,834.50	8,698.97	135.53	65.184		
17,553.57	6,936.00	11,600.00	7,078.38	309.44	157.04	162.83	-482.08	3,632.99	8,877.69	8,742.22	135.46	65.535		
17,553.96	6,936.00	11,600.00	7,078.38	309.45	157.04	162.83	-482.08	3,632.99	8,878.00	8,742.54	135.46	65.538		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-79.93	167.60	-943.40	958.89					
100.00	100.00	59.08	59.08	3.28	3.29	-79.92	167.64	-943.48	958.27	951.70	6.57	145.799 CC, ES		
200.00	200.00	150.73	150.72	3.34	3.34	-79.92	167.93	-944.22	959.11	952.44	6.68	143.623		
300.00	300.00	259.38	259.37	3.44	3.46	-79.92	167.97	-945.22	960.03	953.13	6.90	139.053		
400.00	399.98	344.83	344.80	3.60	3.59	-76.12	166.69	-946.51	960.83	953.63	7.20	133.455		
500.00	499.84	429.86	429.74	3.81	3.76	-76.54	163.91	-949.28	962.26	954.69	7.58	127.029		
600.00	599.45	506.17	505.82	4.06	3.95	-77.15	159.89	-953.46	964.90	956.90	8.01	120.519		
700.00	698.70	578.00	577.18	4.34	4.14	-77.94	154.40	-959.47	969.57	961.08	8.49	114.194		
775.00	772.83	633.87	632.43	4.57	4.32	-78.69	148.88	-965.65	974.66	965.77	8.89	109.618		
800.00	797.48	655.29	653.58	4.65	4.39	-79.04	146.60	-968.21	976.59	967.55	9.04	108.055		
900.00	896.11	752.28	749.19	4.97	4.74	-80.66	135.58	-980.22	985.17	975.49	9.69	101.706		
1,000.00	994.74	851.72	847.12	5.31	5.14	-82.38	122.86	-991.91	993.90	983.51	10.39	95.627		
1,100.00	1,093.37	973.47	966.73	5.68	5.67	-84.59	104.37	-1,005.02	1,002.68	991.44	11.24	89.222		
1,200.00	1,192.00	1,115.13	1,105.26	6.06	6.34	-87.47	76.35	-1,013.96	1,008.17	995.93	12.24	82.373		
1,300.00	1,290.63	1,215.70	1,202.87	6.45	6.86	-89.72	52.33	-1,017.27	1,012.50	999.39	13.12	77.195		
1,400.00	1,389.26	1,338.88	1,321.97	6.86	7.52	-92.56	21.03	-1,019.51	1,017.36	1,003.22	14.15	71.921		
1,500.00	1,487.88	1,420.20	1,400.31	7.27	7.98	-94.48	-0.78	-1,019.73	1,022.51	1,007.52	14.99	68.200		
1,600.00	1,586.51	1,510.54	1,487.36	7.69	8.51	-96.59	-24.93	-1,020.30	1,029.70	1,013.80	15.90	64.761		
1,700.00	1,685.14	1,591.79	1,565.80	8.11	8.99	-98.43	-46.10	-1,021.32	1,038.96	1,022.20	16.76	62.002		
1,800.00	1,783.77	1,692.97	1,663.78	8.54	9.60	-100.62	-71.27	-1,023.04	1,049.86	1,032.13	17.73	59.223		
1,900.00	1,882.40	1,786.23	1,754.31	8.97	10.16	-102.57	-93.64	-1,024.24	1,061.58	1,042.93	18.65	56.934		
2,000.00	1,981.03	1,877.20	1,842.64	9.41	10.72	-104.42	-115.36	-1,025.29	1,074.48	1,054.93	19.55	54.970		
2,100.00	2,079.66	1,949.75	1,913.44	9.84	11.15	-105.77	-130.98	-1,027.64	1,089.61	1,069.30	20.31	53.650		
2,200.00	2,178.28	2,084.72	2,046.46	10.29	11.87	-107.80	-152.59	-1,034.76	1,105.75	1,084.34	21.40	51.662		
2,300.00	2,276.91	2,217.58	2,178.35	10.73	12.52	-109.57	-168.28	-1,036.90	1,117.13	1,094.70	22.43	49.800		
2,400.00	2,375.54	2,337.74	2,298.19	11.18	13.03	-110.86	-176.66	-1,039.08	1,127.53	1,104.19	23.35	48.295		
2,500.00	2,474.17	2,463.34	2,423.69	11.62	13.52	-112.02	-181.19	-1,040.31	1,136.14	1,111.88	24.25	46.846		
2,600.00	2,572.80	2,567.36	2,527.70	12.07	13.90	-112.86	-182.34	-1,040.59	1,143.25	1,118.19	25.06	45.614		
2,700.00	2,671.43	2,685.72	2,646.06	12.52	14.29	-113.74	-181.73	-1,040.54	1,149.56	1,123.67	25.89	44.399		
2,800.00	2,770.05	2,783.75	2,744.07	12.97	14.59	-114.39	-179.94	-1,040.49	1,155.44	1,128.80	26.64	43.369		
2,900.00	2,868.68	2,883.54	2,843.82	13.43	14.90	-115.01	-177.12	-1,040.81	1,161.33	1,133.93	27.40	42.377		
3,000.00	2,967.31	2,976.55	2,936.80	13.88	15.20	-115.58	-174.67	-1,041.29	1,167.60	1,139.45	28.15	41.471		
3,100.00	3,065.94	3,067.61	3,027.82	14.34	15.50	-116.12	-172.43	-1,042.35	1,174.65	1,145.75	28.91	40.636		
3,200.00	3,164.57	3,187.00	3,147.15	14.79	15.89	-116.80	-169.10	-1,043.82	1,181.80	1,152.05	29.75	39.721		
3,300.00	3,263.20	3,278.51	3,238.59	15.25	16.19	-117.28	-165.33	-1,044.52	1,187.91	1,157.39	30.51	38.929		
3,400.00	3,361.83	3,370.59	3,330.60	15.71	16.50	-117.78	-162.15	-1,045.68	1,194.86	1,163.57	31.28	38.193		
3,500.00	3,460.45	3,492.33	3,452.27	16.17	16.92	-118.47	-158.28	-1,045.48	1,200.79	1,168.63	32.16	37.343		
3,600.00	3,559.08	3,583.03	3,542.94	16.62	17.23	-119.01	-155.68	-1,045.02	1,206.80	1,173.87	32.93	36.643		
3,700.00	3,657.71	3,677.90	3,637.78	17.08	17.56	-119.56	-153.20	-1,044.85	1,213.36	1,179.63	33.73	35.973		
3,800.00	3,756.34	3,782.25	3,742.10	17.54	17.93	-120.18	-150.74	-1,044.75	1,220.27	1,185.70	34.56	35.306		
3,900.00	3,854.97	3,887.31	3,847.12	18.00	18.31	-120.81	-148.15	-1,043.61	1,226.41	1,191.01	35.40	34.643		
4,000.00	3,953.60	3,990.04	3,949.81	18.46	18.68	-121.43	-145.72	-1,042.19	1,232.51	1,196.28	36.24	34.014		
4,100.00	4,052.23	4,081.87	4,041.60	18.92	19.01	-121.97	-143.24	-1,041.20	1,238.80	1,201.77	37.04	33.448		
4,200.00	4,150.85	4,176.52	4,136.21	19.39	19.35	-122.48	-140.37	-1,041.03	1,245.73	1,207.88	37.85	32.912		
4,300.00	4,249.48	4,284.72	4,244.34	19.85	19.75	-123.04	-136.75	-1,040.90	1,252.64	1,213.93	38.71	32.356		
4,400.00	4,348.11	4,391.88	4,351.43	20.31	20.15	-123.62	-133.13	-1,039.45	1,258.63	1,219.05	39.58	31.802		
4,500.00	4,446.74	4,481.79	4,441.30	20.77	20.48	-124.13	-130.51	-1,038.23	1,265.04	1,224.65	40.38	31.326		
4,600.00	4,545.37	4,573.80	4,533.28	21.23	20.83	-124.63	-128.13	-1,037.59	1,272.27	1,231.07	41.20	30.882		
4,700.00	4,644.00	4,665.77	4,625.21	21.70	21.18	-125.12	-125.97	-1,037.24	1,280.01	1,238.00	42.01	30.466		
4,800.00	4,742.63	4,757.75	4,717.18	22.16	21.54	-125.61	-124.23	-1,037.41	1,288.58	1,245.75	42.83	30.085		
4,900.00	4,841.25	4,860.22	4,819.63	22.62	21.94	-126.13	-122.05	-1,037.97	1,297.38	1,253.69	43.70	29.691		
5,000.00	4,939.88	4,970.15	4,929.54	23.09	22.37	-126.74	-120.24	-1,037.23	1,305.68	1,261.09	44.59	29.281		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,100.00	5,038.51	5,080.40	5,039.74	23.55	22.79	-127.38	-118.49	-1,034.92	1,313.07	1,267.58	45.49	28.866		
5,200.00	5,137.14	5,163.84	5,123.16	24.02	23.12	-127.88	-117.58	-1,033.16	1,320.91	1,274.63	46.28	28.542		
5,300.00	5,235.77	5,252.90	5,212.22	24.48	23.47	-128.41	-117.11	-1,031.90	1,329.79	1,282.70	47.09	28.238		
5,400.00	5,334.40	5,336.89	5,296.20	24.94	23.81	-128.86	-116.70	-1,031.78	1,339.75	1,291.87	47.88	27.983		
5,500.00	5,433.03	5,452.14	5,411.44	25.41	24.28	-129.55	-117.10	-1,030.38	1,349.60	1,300.78	48.82	27.646		
5,600.00	5,531.65	5,551.75	5,510.93	25.87	24.68	-130.27	-119.47	-1,026.37	1,359.04	1,309.36	49.68	27.353		
5,700.00	5,630.28	5,652.61	5,611.70	26.34	25.09	-130.97	-121.45	-1,022.72	1,368.69	1,318.13	50.56	27.072		
5,800.00	5,728.91	5,756.93	5,716.01	26.80	25.51	-131.53	-120.53	-1,021.31	1,378.08	1,326.63	51.44	26.788		
5,900.00	5,827.54	5,863.00	5,822.05	27.27	25.94	-132.01	-117.93	-1,020.98	1,387.17	1,334.84	52.34	26.505		
6,000.00	5,926.17	5,949.32	5,908.26	27.73	26.28	-132.29	-114.07	-1,022.65	1,396.44	1,343.30	53.14	26.280		
6,100.00	6,024.80	6,054.44	6,013.17	28.20	26.69	-132.55	-108.60	-1,026.19	1,406.18	1,352.15	54.03	26.027		
6,200.00	6,123.43	6,150.54	6,109.21	28.66	27.08	-132.92	-105.51	-1,027.04	1,415.71	1,360.84	54.88	25.798		
6,272.77	6,195.20	6,213.23	6,171.90	29.00	27.33	-133.22	-104.86	-1,026.55	1,423.04	1,367.58	55.46	25.658		
6,300.00	6,222.05	6,237.35	6,196.01	29.13	27.43	-148.09	-104.80	-1,026.31	1,426.30	1,370.62	55.68	25.615		
6,350.00	6,271.23	6,283.42	6,242.09	29.36	27.62	-171.38	-104.63	-1,026.04	1,434.43	1,378.34	56.09	25.572 SF		
6,400.00	6,319.99	6,331.56	6,290.22	29.58	27.82	172.94	-104.32	-1,026.06	1,445.24	1,388.72	56.52	25.572		
6,450.00	6,368.01	6,385.03	6,343.69	29.79	28.04	162.81	-103.62	-1,026.29	1,458.46	1,401.50	56.96	25.604		
6,500.00	6,415.02	6,436.68	6,395.32	29.99	28.25	155.91	-102.54	-1,026.67	1,473.97	1,416.58	57.40	25.681		
6,550.00	6,460.71	6,486.52	6,445.14	30.18	28.45	150.86	-101.19	-1,027.17	1,491.76	1,433.94	57.82	25.802		
6,600.00	6,504.81	6,528.53	6,487.13	30.36	28.62	146.81	-100.04	-1,027.54	1,511.87	1,453.67	58.20	25.979		
6,650.00	6,547.04	6,568.04	6,526.64	30.53	28.78	143.34	-99.35	-1,027.59	1,534.34	1,475.78	58.56	26.202		
6,700.00	6,587.14	6,606.06	6,564.65	30.69	28.94	140.18	-99.02	-1,027.39	1,559.09	1,500.18	58.91	26.466		
6,750.00	6,624.87	6,642.17	6,600.77	30.83	29.09	137.17	-98.92	-1,027.04	1,586.00	1,526.76	59.25	26.770		
6,800.00	6,660.00	6,676.02	6,634.61	30.96	29.23	134.15	-99.02	-1,026.59	1,614.97	1,555.40	59.57	27.111		
6,850.00	6,692.30	6,703.44	6,662.03	31.07	29.34	130.94	-99.09	-1,026.31	1,645.91	1,586.06	59.85	27.500		
6,900.00	6,721.58	6,728.19	6,686.78	31.23	29.44	127.52	-99.07	-1,026.24	1,678.72	1,618.60	60.12	27.924		
6,950.00	6,747.66	6,749.83	6,708.42	31.56	29.53	123.78	-98.98	-1,026.31	1,713.23	1,652.86	60.37	28.381		
7,000.00	6,770.37	6,770.97	6,729.56	31.92	29.62	119.76	-98.84	-1,026.50	1,749.26	1,688.65	60.61	28.861		
7,050.00	6,789.58	6,793.13	6,751.71	32.33	29.71	115.50	-98.65	-1,026.70	1,786.57	1,725.71	60.86	29.355		
7,100.00	6,805.17	6,811.12	6,769.71	32.78	29.78	110.78	-98.48	-1,026.84	1,824.96	1,763.87	61.09	29.874		
7,150.00	6,817.03	6,824.81	6,783.39	33.27	29.84	105.57	-98.33	-1,026.93	1,864.25	1,802.96	61.29	30.416		
7,200.00	6,825.11	6,834.07	6,792.65	33.80	29.88	99.93	-98.23	-1,026.99	1,904.21	1,842.74	61.47	30.979		
7,250.00	6,829.35	6,838.78	6,797.36	34.37	29.90	93.93	-98.17	-1,027.01	1,944.63	1,883.01	61.62	31.560		
7,273.12	6,830.00	6,839.41	6,797.99	34.65	29.90	91.07	-98.16	-1,027.02	1,963.41	1,901.73	61.68	31.834		
7,300.00	6,830.28	6,839.56	6,798.14	34.98	29.90	91.08	-98.16	-1,027.02	1,985.32	1,923.58	61.74	32.154		
7,400.00	6,831.31	6,840.13	6,798.71	36.32	29.90	91.11	-98.15	-1,027.02	2,067.86	2,005.85	62.01	33.346		
7,500.00	6,832.34	6,840.70	6,799.28	37.83	29.91	91.14	-98.15	-1,027.02	2,151.88	2,089.59	62.30	34.543		
7,600.00	6,833.37	6,841.28	6,799.87	39.49	29.91	91.17	-98.14	-1,027.03	2,237.22	2,174.63	62.59	35.746		
7,700.00	6,834.40	6,841.87	6,800.46	41.27	29.91	91.20	-98.13	-1,027.03	2,323.73	2,260.85	62.88	36.954		
7,800.00	6,835.44	6,842.47	6,801.05	43.17	29.91	91.23	-98.12	-1,027.03	2,411.28	2,348.10	63.17	38.169		
7,900.00	6,836.47	6,843.08	6,801.66	45.17	29.92	91.26	-98.12	-1,027.04	2,499.76	2,436.30	63.46	39.389		
8,000.00	6,837.50	6,843.70	6,802.28	47.26	29.92	91.29	-98.11	-1,027.04	2,589.08	2,525.34	63.75	40.614		
8,100.00	6,838.53	6,844.32	6,802.90	49.43	29.92	91.32	-98.10	-1,027.04	2,679.16	2,615.14	64.03	41.845		
8,200.00	6,839.56	6,844.95	6,803.54	51.66	29.92	91.35	-98.09	-1,027.05	2,769.92	2,705.62	64.30	43.080		
8,300.00	6,840.59	6,845.60	6,804.18	53.95	29.93	91.38	-98.09	-1,027.05	2,861.29	2,796.74	64.56	44.321		
8,400.00	6,841.62	6,846.25	6,804.83	56.29	29.93	91.42	-98.08	-1,027.06	2,953.23	2,888.41	64.81	45.565		
8,500.00	6,842.65	6,846.91	6,805.49	58.67	29.93	91.45	-98.07	-1,027.06	3,045.67	2,980.61	65.06	46.814		
8,600.00	6,843.68	6,847.58	6,806.16	61.10	29.93	91.48	-98.06	-1,027.06	3,138.57	3,073.28	65.30	48.067		
8,700.00	6,844.71	6,848.26	6,806.84	63.56	29.94	91.52	-98.05	-1,027.07	3,231.90	3,166.38	65.53	49.323		
8,800.00	6,845.75	6,848.95	6,807.53	66.05	29.94	91.55	-98.04	-1,027.07	3,325.62	3,259.87	65.75	50.582		
8,900.00	6,846.78	6,849.65	6,808.23	68.58	29.94	91.59	-98.03	-1,027.07	3,419.69	3,353.73	65.96	51.844		
9,000.00	6,847.81	6,850.37	6,808.95	71.12	29.95	91.62	-98.02	-1,027.08	3,514.09	3,447.92	66.17	53.108		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	6,848.84	6,851.09	6,809.67	73.69	29.95	91.66	-98.01	-1,027.08	3,608.79	3,542.42	66.37	54.375		
9,200.00	6,849.87	6,851.82	6,810.40	76.28	29.95	91.70	-98.01	-1,027.08	3,703.77	3,637.21	66.56	55.644		
9,300.00	6,850.90	6,852.57	6,811.15	78.89	29.96	91.73	-98.00	-1,027.09	3,799.01	3,732.26	66.75	56.914		
9,400.00	6,851.93	6,853.32	6,811.90	81.51	29.96	91.77	-97.99	-1,027.09	3,894.48	3,827.55	66.93	58.186		
9,500.00	6,852.96	6,854.09	6,812.67	84.15	29.96	91.81	-97.98	-1,027.09	3,990.18	3,923.07	67.11	59.459		
9,600.00	6,853.99	6,854.87	6,813.45	86.80	29.96	91.85	-97.97	-1,027.10	4,086.08	4,018.80	67.28	60.733		
9,700.00	6,855.03	6,855.66	6,814.24	89.46	29.97	91.89	-97.96	-1,027.10	4,182.18	4,114.73	67.45	62.008		
9,800.00	6,856.06	6,856.47	6,815.05	92.14	29.97	91.93	-97.94	-1,027.11	4,278.45	4,210.84	67.61	63.284		
9,900.00	6,857.09	6,857.29	6,815.87	94.83	29.97	91.97	-97.93	-1,027.11	4,374.89	4,307.13	67.76	64.560		
10,000.00	6,858.12	6,858.12	6,816.70	97.52	29.98	92.01	-97.92	-1,027.11	4,471.49	4,403.57	67.92	65.837		
10,100.00	6,859.15	6,858.97	6,817.54	100.23	29.98	92.05	-97.91	-1,027.12	4,568.23	4,500.16	68.07	67.113		
10,200.00	6,860.18	6,859.82	6,818.40	102.94	29.99	92.10	-97.90	-1,027.12	4,665.11	4,596.90	68.21	68.390		
10,300.00	6,861.21	6,860.70	6,819.28	105.66	29.99	92.14	-97.89	-1,027.13	4,762.12	4,693.77	68.36	69.666		
10,400.00	6,862.24	6,861.59	6,820.17	108.39	29.99	92.19	-97.88	-1,027.13	4,859.25	4,790.76	68.50	70.942		
10,500.00	6,863.27	6,862.49	6,821.07	111.12	30.00	92.23	-97.86	-1,027.13	4,956.50	4,887.86	68.63	72.217		
10,600.00	6,864.30	6,863.41	6,821.99	113.86	30.00	92.28	-97.85	-1,027.14	5,053.85	4,985.08	68.77	73.492		
10,700.00	6,865.34	6,864.35	6,822.92	116.60	30.00	92.32	-97.84	-1,027.14	5,151.30	5,082.40	68.90	74.766		
10,800.00	6,866.37	6,865.30	6,823.88	119.35	30.01	92.37	-97.82	-1,027.15	5,248.85	5,179.82	69.03	76.040		
10,900.00	6,867.40	6,866.26	6,824.84	122.11	30.01	92.42	-97.81	-1,027.15	5,346.49	5,277.34	69.15	77.312		
11,000.00	6,868.43	6,867.25	6,825.83	124.87	30.02	92.47	-97.80	-1,027.15	5,444.22	5,374.94	69.28	78.583		
11,100.00	6,869.46	6,868.25	6,826.83	127.63	30.02	92.52	-97.78	-1,027.16	5,542.02	5,472.62	69.40	79.854		
11,200.00	6,870.49	6,869.27	6,827.85	130.40	30.02	92.57	-97.77	-1,027.16	5,639.91	5,570.38	69.52	81.122		
11,300.00	6,871.52	6,870.31	6,828.89	133.17	30.03	92.62	-97.75	-1,027.17	5,737.86	5,668.22	69.64	82.390		
11,400.00	6,872.55	6,871.37	6,829.95	135.94	30.03	92.67	-97.74	-1,027.17	5,835.89	5,766.13	69.76	83.656		
11,500.00	6,873.58	11,500.00	6,805.08	138.72	49.31	91.43	-98.06	-1,027.04	5,933.99	5,844.93	89.06	66.630		
11,600.00	6,874.62	11,600.00	6,805.38	141.50	49.73	91.44	-98.05	-1,027.04	6,032.15	5,942.57	89.58	67.335		
11,700.00	6,875.65	11,700.00	6,805.67	144.28	50.15	91.46	-98.05	-1,027.05	6,130.36	6,040.26	90.11	68.034		
11,800.00	6,876.68	11,800.00	6,805.96	147.07	50.58	91.47	-98.05	-1,027.05	6,228.64	6,138.01	90.63	68.726		
11,900.00	6,877.71	11,900.00	6,806.25	149.85	51.00	91.49	-98.04	-1,027.05	6,326.96	6,235.81	91.15	69.412		
12,000.00	6,878.74	12,000.00	6,806.54	152.65	51.42	91.50	-98.04	-1,027.05	6,425.34	6,333.67	91.67	70.092		
12,100.00	6,879.77	12,100.00	6,806.83	155.44	51.84	91.52	-98.04	-1,027.05	6,523.77	6,431.58	92.19	70.765		
12,200.00	6,880.80	6,863.06	6,821.64	158.23	30.00	92.26	-97.87	-1,027.14	6,622.23	6,551.66	70.57	93.834		
12,300.00	6,881.83	6,863.38	6,821.96	161.03	30.00	92.27	-97.87	-1,027.14	6,720.75	6,650.07	70.68	95.091		
12,400.00	6,882.86	6,863.70	6,822.28	163.83	30.00	92.29	-97.86	-1,027.14	6,819.31	6,748.53	70.78	96.345		
12,500.00	6,883.89	6,864.02	6,822.60	166.63	30.00	92.31	-97.86	-1,027.15	6,917.91	6,847.03	70.88	97.597		
12,600.00	6,884.93	6,864.34	6,822.92	169.43	30.00	92.32	-97.85	-1,027.15	7,016.56	6,945.57	70.98	98.848		
12,700.00	6,885.96	6,864.65	6,823.23	172.24	30.01	92.34	-97.85	-1,027.15	7,115.24	7,044.15	71.08	100.096		
12,800.00	6,886.99	6,864.96	6,823.54	175.04	30.01	92.35	-97.85	-1,027.15	7,213.95	7,142.77	71.18	101.342		
12,900.00	6,888.02	6,865.27	6,823.85	177.85	30.01	92.37	-97.84	-1,027.15	7,312.70	7,241.42	71.28	102.586		
13,000.00	6,889.05	6,865.58	6,824.16	180.66	30.01	92.38	-97.84	-1,027.15	7,411.49	7,340.11	71.38	103.827		
13,100.00	6,890.08	6,865.89	6,824.47	183.47	30.01	92.40	-97.84	-1,027.16	7,510.31	7,438.82	71.48	105.066		
13,200.00	6,891.11	6,866.19	6,824.77	186.28	30.01	92.42	-97.84	-1,027.16	7,609.15	7,537.57	71.58	106.303		
13,300.00	6,892.14	6,866.50	6,825.08	189.10	30.01	92.43	-97.83	-1,027.16	7,708.03	7,636.35	71.68	107.537		
13,400.00	6,893.17	6,866.80	6,825.38	191.91	30.01	92.45	-97.83	-1,027.16	7,806.94	7,735.16	71.78	108.769		
13,500.00	6,894.21	6,867.10	6,825.68	194.73	30.02	92.46	-97.83	-1,027.16	7,905.87	7,834.00	71.87	109.998		
13,600.00	6,895.24	6,867.40	6,825.97	197.54	30.02	92.48	-97.82	-1,027.17	8,004.83	7,932.86	71.97	111.225		
13,700.00	6,896.27	6,867.69	6,826.27	200.36	30.02	92.49	-97.82	-1,027.17	8,103.82	8,031.75	72.07	112.449		
13,800.00	6,897.30	6,867.99	6,826.56	203.18	30.02	92.51	-97.82	-1,027.17	8,202.83	8,130.67	72.16	113.671		
13,900.00	6,898.33	6,868.28	6,826.86	206.00	30.02	92.52	-97.81	-1,027.17	8,301.86	8,229.60	72.26	114.890		
14,000.00	6,899.36	6,868.57	6,827.15	208.82	30.02	92.53	-97.81	-1,027.17	8,400.92	8,328.56	72.36	116.106		
14,100.00	6,900.39	6,868.86	6,827.44	211.64	30.02	92.55	-97.81	-1,027.17	8,500.00	8,427.55	72.45	117.320		
14,200.00	6,901.42	6,869.15	6,827.72	214.46	30.02	92.56	-97.81	-1,027.17	8,599.10	8,526.55	72.55	118.530		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #18-5 - 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	
14,300.00	6,902.45	6,869.43	6,828.01	217.28	30.03	92.58	-97.80	-1,027.18	8,698.22	8,625.57	72.64	119.738	
14,400.00	6,903.48	6,869.72	6,828.30	220.11	30.03	92.59	-97.80	-1,027.18	8,797.36	8,724.62	72.74	120.943	
14,500.00	6,904.52	6,870.00	6,828.58	222.93	30.03	92.61	-97.80	-1,027.18	8,896.52	8,823.68	72.84	122.145	
14,600.00	6,905.55	6,870.28	6,828.86	225.76	30.03	92.62	-97.79	-1,027.18	8,995.70	8,922.77	72.93	123.345	
14,700.00	6,906.58	6,870.56	6,829.14	228.58	30.03	92.63	-97.79	-1,027.18	9,094.89	9,021.87	73.03	124.541	
14,800.00	6,907.61	6,870.84	6,829.42	231.41	30.03	92.65	-97.79	-1,027.18	9,194.11	9,120.98	73.12	125.734	
14,900.00	6,908.64	6,871.11	6,829.69	234.24	30.03	92.66	-97.79	-1,027.19	9,293.34	9,220.12	73.22	126.925	
15,000.00	6,909.67	6,871.39	6,829.97	237.06	30.03	92.68	-97.78	-1,027.19	9,392.59	9,319.27	73.32	128.112	
15,100.00	6,910.70	6,871.66	6,830.24	239.89	30.03	92.69	-97.78	-1,027.19	9,491.85	9,418.44	73.41	129.296	
15,200.00	6,911.73	6,871.93	6,830.51	242.72	30.04	92.70	-97.78	-1,027.19	9,591.13	9,517.62	73.51	130.478	
15,300.00	6,912.76	6,872.20	6,830.78	245.55	30.04	92.72	-97.78	-1,027.19	9,690.42	9,616.82	73.60	131.656	
15,400.00	6,913.80	6,872.47	6,831.05	248.38	30.04	92.73	-97.77	-1,027.19	9,789.73	9,716.03	73.70	132.831	
15,500.00	6,914.83	6,872.74	6,831.32	251.21	30.04	92.74	-97.77	-1,027.20	9,889.05	9,815.25	73.80	134.003	
15,600.00	6,915.86	6,873.00	6,831.58	254.04	30.04	92.76	-97.77	-1,027.20	9,988.38	9,914.49	73.89	135.171	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-80.76	152.67	-938.39	951.45					
100.00	100.00	57.71	57.71	3.28	3.29	-80.76	152.69	-938.51	950.86	944.29	6.57	144.676		
200.00	200.00	146.45	146.44	3.34	3.34	-80.76	152.84	-939.51	952.01	945.33	6.68	142.600		
300.00	300.00	270.28	270.26	3.44	3.47	-80.79	152.55	-940.52	952.84	945.92	6.92	137.752		
400.00	399.98	439.24	439.03	3.60	3.77	-77.27	148.62	-934.43	948.83	941.41	7.42	127.898		
500.00	499.84	589.81	588.57	3.81	4.15	-78.35	140.15	-919.27	936.86	928.81	8.05	116.351		
600.00	599.45	742.38	738.72	4.06	4.67	-80.17	126.81	-895.88	918.74	909.92	8.82	104.130		
700.00	698.70	847.24	841.07	4.34	5.12	-82.02	115.51	-876.08	896.66	887.22	9.44	94.979		
775.00	772.83	920.27	912.38	4.57	5.45	-83.52	107.72	-862.37	880.27	870.36	9.92	88.767		
800.00	797.48	950.68	942.02	4.65	5.60	-84.05	104.43	-856.43	874.66	864.55	10.11	86.484		
900.00	896.11	1,075.67	1,063.23	4.97	6.26	-86.33	90.43	-829.38	850.66	839.71	10.95	77.671		
1,000.00	994.74	1,161.51	1,146.32	5.31	6.74	-87.94	81.53	-809.74	826.29	814.65	11.64	70.985		
1,100.00	1,093.37	1,268.57	1,249.70	5.68	7.38	-90.08	70.22	-784.33	801.89	789.41	12.48	64.259		
1,200.00	1,192.00	1,357.72	1,335.58	6.06	7.95	-92.07	59.37	-763.04	778.36	765.07	13.29	58.572		
1,300.00	1,290.63	1,448.28	1,422.61	6.45	8.54	-94.29	47.16	-741.17	755.80	741.64	14.16	53.368		
1,400.00	1,389.26	1,523.93	1,495.45	6.86	9.04	-96.30	35.96	-724.09	736.16	721.14	15.02	49.015		
1,500.00	1,487.88	1,606.36	1,574.75	7.27	9.58	-98.70	21.81	-706.59	719.67	703.70	15.97	45.072		
1,600.00	1,586.51	1,682.02	1,647.20	7.69	10.10	-101.16	6.19	-691.41	706.75	689.81	16.94	41.709		
1,700.00	1,685.14	1,762.54	1,723.87	8.11	10.66	-104.02	-13.11	-676.16	697.88	679.87	18.01	38.745		
1,800.00	1,783.77	1,841.10	1,798.28	8.54	11.22	-106.98	-33.81	-661.84	693.03	673.92	19.11	36.267		
1,867.40	1,850.24	1,896.69	1,850.71	8.83	11.63	-109.15	-49.48	-652.06	692.21	672.32	19.89	34.801 CC		
1,900.00	1,882.40	1,925.00	1,877.27	8.97	11.84	-110.28	-57.86	-646.97	692.39	672.11	20.29	34.129 ES		
2,000.00	1,981.03	2,007.02	1,953.56	9.41	12.49	-113.70	-83.80	-631.67	695.52	674.03	21.49	32.369		
2,100.00	2,079.66	2,084.74	2,024.85	9.84	13.13	-117.09	-110.86	-616.68	703.24	680.58	22.66	31.037		
2,200.00	2,178.28	2,168.26	2,100.71	10.29	13.86	-120.78	-141.71	-600.27	715.71	691.83	23.88	29.965		
2,300.00	2,276.91	2,259.62	2,183.65	10.73	14.68	-124.72	-175.01	-581.36	731.22	706.05	25.18	29.043		
2,400.00	2,375.54	2,351.83	2,267.71	11.18	15.52	-128.51	-207.80	-562.34	750.05	723.62	26.43	28.376		
2,500.00	2,474.17	2,437.60	2,346.09	11.62	16.30	-131.87	-237.26	-543.73	770.88	743.33	27.55	27.982		
2,600.00	2,572.80	2,512.66	2,414.88	12.07	16.98	-134.64	-263.29	-528.80	795.93	767.48	28.46	27.968 SF		
2,700.00	2,671.43	2,597.36	2,492.72	12.52	17.75	-137.58	-292.35	-512.37	823.71	794.26	29.45	27.971		
2,800.00	2,770.05	2,663.00	2,552.40	12.97	18.36	-139.84	-316.19	-498.98	854.99	824.87	30.12	28.385		
2,900.00	2,868.68	2,720.40	2,603.70	13.43	18.94	-141.82	-338.87	-486.81	890.72	860.09	30.63	29.078		
3,000.00	2,967.31	2,781.30	2,657.18	13.88	19.57	-143.90	-364.88	-473.71	930.99	899.85	31.14	29.893		
3,100.00	3,065.94	2,867.17	2,732.22	14.34	20.48	-146.68	-402.37	-455.33	974.28	942.23	32.05	30.396		
3,200.00	3,164.57	2,972.91	2,826.56	14.79	21.56	-149.67	-444.95	-433.74	1,016.74	983.49	33.26	30.571		
3,300.00	3,263.20	3,042.62	2,888.95	15.25	22.27	-151.47	-472.84	-420.00	1,060.88	1,027.04	33.84	31.347		
3,400.00	3,361.83	3,107.40	2,946.69	15.71	22.92	-153.03	-499.54	-407.77	1,107.45	1,073.12	34.33	32.257		
3,500.00	3,460.45	3,253.90	3,078.68	16.17	24.37	-156.19	-556.89	-380.47	1,153.52	1,117.41	36.11	31.949		
3,600.00	3,559.08	3,356.89	3,173.05	16.62	25.36	-158.15	-593.18	-360.88	1,196.93	1,159.77	37.16	32.210		
3,700.00	3,657.71	3,440.76	3,249.89	17.08	26.16	-159.66	-622.50	-344.42	1,240.87	1,202.94	37.92	32.722		
3,800.00	3,756.34	3,561.44	3,361.38	17.54	27.27	-161.57	-663.09	-322.44	1,284.66	1,245.48	39.19	32.782		
3,900.00	3,854.97	3,623.91	3,419.09	18.00	27.85	-162.51	-683.90	-310.68	1,328.54	1,288.88	39.65	33.505		
4,000.00	3,953.60	3,683.33	3,473.71	18.46	28.42	-163.37	-704.49	-299.52	1,374.27	1,334.20	40.06	34.301		
4,100.00	4,052.23	3,757.13	3,541.10	18.92	29.12	-164.38	-731.42	-286.14	1,422.12	1,381.44	40.68	34.960		
4,200.00	4,150.85	3,875.45	3,650.30	19.39	30.22	-165.82	-772.27	-266.00	1,468.64	1,426.72	41.92	35.035		
4,300.00	4,249.48	3,937.18	3,707.30	19.85	30.79	-166.53	-793.45	-255.37	1,515.60	1,473.24	42.37	35.771		
4,400.00	4,348.11	3,981.80	3,748.05	20.31	31.22	-167.04	-809.81	-247.51	1,564.92	1,522.35	42.57	36.761		
4,500.00	4,446.74	4,038.85	3,799.61	20.77	31.79	-167.68	-831.98	-237.24	1,616.45	1,573.50	42.95	37.635		
4,600.00	4,545.37	4,105.88	3,859.84	21.23	32.48	-168.42	-858.70	-224.91	1,669.23	1,625.75	43.48	38.387		
4,700.00	4,644.00	4,179.53	3,925.81	21.70	33.24	-169.18	-888.52	-211.40	1,722.88	1,678.75	44.13	39.044		
4,800.00	4,742.63	4,293.84	4,028.15	22.16	34.43	-170.38	-933.83	-188.19	1,775.99	1,730.61	45.38	39.133		
4,900.00	4,841.25	4,376.79	4,102.75	22.62	35.30	-171.19	-966.01	-171.47	1,828.70	1,782.52	46.18	39.603		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,939.88	4,444.51	4,163.42	23.09	36.01	-171.83	-992.57	-157.32	1,882.06	1,835.32	46.74	40.262		
5,100.00	5,038.51	4,506.81	4,218.94	23.55	36.68	-172.41	-1,017.50	-144.01	1,936.39	1,889.14	47.24	40.989		
5,200.00	5,137.14	4,593.20	4,295.84	24.02	37.61	-173.15	-1,052.56	-126.10	1,991.46	1,943.36	48.10	41.404		
5,300.00	5,235.77	4,657.63	4,353.31	24.48	38.31	-173.68	-1,078.51	-112.93	2,046.49	1,997.86	48.64	42.078		
5,400.00	5,334.40	4,711.00	4,400.47	24.94	38.89	-174.11	-1,100.80	-101.63	2,102.95	2,053.94	49.01	42.909		
5,500.00	5,433.03	4,921.82	4,588.47	25.41	41.16	-175.74	-1,183.95	-55.11	2,157.94	2,106.29	51.65	41.779		
5,600.00	5,531.65	5,009.31	4,667.76	25.87	42.06	-176.35	-1,215.79	-36.26	2,210.07	2,157.56	52.51	42.088		
5,700.00	5,630.28	5,067.00	4,720.22	26.34	42.64	-176.70	-1,236.85	-24.77	2,262.49	2,209.51	52.97	42.709		
5,800.00	5,728.91	5,124.61	4,772.41	26.80	43.23	-177.04	-1,258.51	-13.56	2,315.95	2,262.52	53.44	43.341		
5,900.00	5,827.54	5,786.74	5,399.38	27.27	48.47	-179.63	-1,436.89	84.86	2,357.21	2,297.10	60.10	39.219		
6,000.00	5,926.17	6,110.21	5,720.12	27.73	49.90	179.99	-1,473.49	102.44	2,384.71	2,322.66	62.05	38.432		
6,100.00	6,024.80	6,356.73	5,966.40	28.20	50.64	179.89	-1,481.96	107.14	2,404.09	2,340.86	63.22	38.026		
6,200.00	6,123.43	6,521.42	6,131.08	28.66	50.98	179.91	-1,481.20	106.20	2,420.08	2,356.04	64.05	37.785		
6,272.77	6,195.20	6,623.71	6,233.32	29.00	51.15	179.96	-1,478.78	104.09	2,430.29	2,365.69	64.60	37.622		
6,300.00	6,222.05	6,659.95	6,269.53	29.13	51.21	165.14	-1,477.66	103.11	2,433.86	2,369.05	64.80	37.558		
6,350.00	6,271.23	6,706.99	6,316.53	29.36	51.29	142.06	-1,476.11	101.66	2,440.09	2,374.90	65.19	37.428		
6,400.00	6,319.99	6,748.77	6,358.25	29.58	51.35	126.75	-1,474.85	100.19	2,446.17	2,380.57	65.61	37.284		
6,450.00	6,368.01	6,762.00	6,371.47	29.79	51.37	116.92	-1,474.48	99.69	2,452.30	2,386.27	66.02	37.144		
6,500.00	6,415.02	6,799.77	6,409.22	29.99	51.45	110.57	-1,473.75	98.46	2,458.41	2,391.93	66.48	36.978		
6,550.00	6,460.71	6,821.46	6,430.90	30.18	51.49	106.05	-1,473.61	97.95	2,464.83	2,397.89	66.94	36.821		
6,600.00	6,504.81	6,853.00	6,462.43	30.36	51.55	102.84	-1,473.75	97.46	2,471.50	2,404.07	67.43	36.653		
6,650.00	6,547.04	6,889.29	6,498.72	30.53	51.63	100.51	-1,474.05	97.02	2,478.17	2,410.22	67.95	36.469		
6,700.00	6,587.14	6,700.00	6,542.32	30.69	51.22	98.87	-1,474.02	96.29	2,484.38	2,416.50	67.87	36.604		
6,750.00	6,624.87	6,971.64	6,581.06	30.83	51.81	97.59	-1,474.02	95.62	2,490.60	2,421.49	69.11	36.040		
6,800.00	6,660.00	6,992.45	6,601.87	30.96	51.86	96.32	-1,474.14	95.26	2,497.06	2,427.37	69.69	35.832		
6,850.00	6,692.30	7,011.52	6,620.93	31.07	51.90	95.23	-1,474.34	94.93	2,503.79	2,433.49	70.30	35.617		
6,900.00	6,721.58	7,030.00	6,639.41	31.23	51.94	94.28	-1,474.63	94.62	2,510.82	2,439.88	70.94	35.393		
6,950.00	6,747.66	7,043.78	6,653.19	31.56	51.98	93.36	-1,474.90	94.42	2,518.17	2,446.55	71.62	35.160		
7,000.00	6,770.37	7,056.99	6,666.39	31.92	52.02	92.51	-1,475.22	94.28	2,525.85	2,453.51	72.34	34.918		
7,050.00	6,789.58	7,068.27	6,677.66	32.33	52.05	91.69	-1,475.53	94.20	2,533.85	2,460.76	73.09	34.667		
7,100.00	6,805.17	7,077.52	6,686.91	32.78	52.07	90.89	-1,475.81	94.16	2,542.18	2,468.30	73.88	34.408		
7,150.00	6,817.03	7,084.66	6,694.04	33.27	52.09	90.08	-1,476.05	94.14	2,550.82	2,476.11	74.71	34.145		
7,200.00	6,825.11	7,089.58	6,698.96	33.80	52.11	89.26	-1,476.22	94.14	2,559.73	2,484.18	75.55	33.879		
7,250.00	6,829.35	7,092.21	6,701.59	34.37	52.11	88.44	-1,476.31	94.14	2,568.89	2,492.47	76.42	33.614		
7,273.12	6,830.00	7,092.63	6,702.01	34.65	52.12	88.05	-1,476.33	94.15	2,573.20	2,496.37	76.83	33.493		
7,300.00	6,830.28	7,092.82	6,702.20	34.98	52.12	88.05	-1,476.33	94.15	2,578.37	2,501.06	77.30	33.354		
7,400.00	6,831.31	7,093.56	6,702.94	36.32	52.12	88.07	-1,476.36	94.15	2,599.93	2,520.78	79.15	32.848		
7,500.00	6,832.34	7,094.32	6,703.70	37.83	52.12	88.09	-1,476.39	94.15	2,625.13	2,544.05	81.08	32.378		
7,600.00	6,833.37	7,095.11	6,704.48	39.49	52.12	88.11	-1,476.42	94.15	2,653.86	2,570.80	83.05	31.954		
7,700.00	6,834.40	7,095.92	6,705.30	41.27	52.12	88.12	-1,476.45	94.15	2,686.00	2,600.96	85.05	31.582		
7,800.00	6,835.44	7,096.77	6,706.15	43.17	52.13	88.14	-1,476.48	94.15	2,721.45	2,634.41	87.04	31.266		
7,900.00	6,836.47	7,097.66	6,707.03	45.17	52.13	88.16	-1,476.51	94.15	2,760.06	2,671.05	89.01	31.008		
8,000.00	6,837.50	7,098.58	6,707.95	47.26	52.13	88.18	-1,476.55	94.16	2,801.71	2,710.77	90.94	30.808		
8,100.00	6,838.53	7,099.54	6,708.91	49.43	52.13	88.21	-1,476.58	94.16	2,846.27	2,753.45	92.82	30.665		
8,200.00	6,839.56	7,100.53	6,709.91	51.66	52.14	88.23	-1,476.62	94.16	2,893.59	2,798.96	94.63	30.577		
8,300.00	6,840.59	7,101.57	6,710.95	53.95	52.14	88.25	-1,476.66	94.17	2,943.56	2,847.18	96.38	30.542		
8,400.00	6,841.62	7,102.66	6,712.03	56.29	52.14	88.28	-1,476.71	94.17	2,996.03	2,897.98	98.05	30.557		
8,500.00	6,842.65	7,103.79	6,713.16	58.67	52.15	88.30	-1,476.75	94.18	3,050.87	2,951.23	99.64	30.618		
8,600.00	6,843.68	7,104.98	6,714.35	61.10	52.15	88.33	-1,476.80	94.18	3,107.97	3,006.81	101.16	30.724		
8,700.00	6,844.71	7,106.22	6,715.59	63.56	52.15	88.36	-1,476.85	94.19	3,167.19	3,064.59	102.59	30.871		
8,800.00	6,845.75	7,107.52	6,716.89	66.05	52.16	88.39	-1,476.90	94.20	3,228.42	3,124.47	103.95	31.056		
8,900.00	6,846.78	7,108.89	6,718.26	68.58	52.16	88.42	-1,476.95	94.20	3,291.56	3,186.32	105.24	31.277		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,847.81	7,110.33	6,719.69	71.12	52.17	88.45	-1,477.01	94.21	3,356.48	3,250.03	106.45	31.531		
9,100.00	6,848.84	7,111.84	6,721.20	73.69	52.17	88.48	-1,477.08	94.22	3,423.09	3,315.50	107.59	31.816		
9,200.00	6,849.87	7,113.43	6,722.79	76.28	52.17	88.52	-1,477.14	94.23	3,491.30	3,382.64	108.67	32.129		
9,300.00	6,850.90	7,115.10	6,724.46	78.89	52.18	88.56	-1,477.21	94.24	3,561.01	3,451.33	109.68	32.468		
9,400.00	6,851.93	7,116.87	6,726.23	81.51	52.18	88.60	-1,477.29	94.26	3,632.13	3,521.51	110.63	32.832		
9,500.00	6,852.96	7,118.75	6,728.10	84.15	52.19	88.64	-1,477.37	94.27	3,704.59	3,593.07	111.52	33.219		
9,600.00	6,853.99	7,120.73	6,730.09	86.80	52.19	88.69	-1,477.46	94.29	3,778.30	3,665.94	112.36	33.627		
9,700.00	6,855.03	7,122.84	6,732.19	89.46	52.20	88.73	-1,477.55	94.31	3,853.20	3,740.05	113.15	34.055		
9,800.00	6,856.06	7,125.08	6,734.43	92.14	52.21	88.78	-1,477.65	94.33	3,929.21	3,815.32	113.89	34.500		
9,900.00	6,857.09	7,127.47	6,736.81	94.83	52.21	88.84	-1,477.76	94.36	4,006.28	3,891.69	114.59	34.963		
10,000.00	6,858.12	7,130.01	6,739.36	97.52	52.22	88.90	-1,477.88	94.39	4,084.34	3,969.09	115.24	35.441		
10,100.00	6,859.15	7,132.74	6,742.08	100.23	52.23	88.96	-1,478.01	94.42	4,163.33	4,047.47	115.86	35.933		
10,200.00	6,860.18	7,135.66	6,745.00	102.94	52.24	89.02	-1,478.15	94.46	4,243.21	4,126.77	116.45	36.439		
10,300.00	6,861.21	7,138.81	6,748.14	105.66	52.24	89.10	-1,478.31	94.50	4,323.93	4,206.94	117.00	36.958		
10,400.00	6,862.24	7,131.38	6,740.72	108.39	52.22	88.93	-1,477.92	94.37	4,405.46	4,288.00	117.46	37.507		
10,500.00	6,863.27	7,132.44	6,741.79	111.12	52.23	88.95	-1,477.96	94.38	4,487.71	4,369.78	117.93	38.053		
10,600.00	6,864.30	7,133.46	6,742.81	113.86	52.23	88.97	-1,478.00	94.38	4,570.68	4,452.30	118.38	38.609		
10,700.00	6,865.34	7,134.44	6,743.78	116.60	52.23	89.00	-1,478.04	94.39	4,654.31	4,535.51	118.81	39.176		
10,800.00	6,866.37	7,135.38	6,744.72	119.35	52.24	89.02	-1,478.08	94.39	4,738.58	4,619.38	119.20	39.752		
10,900.00	6,867.40	7,136.28	6,745.62	122.11	52.24	89.04	-1,478.12	94.40	4,823.45	4,703.87	119.58	40.337		
11,000.00	6,868.43	7,137.14	6,746.48	124.87	52.24	89.06	-1,478.15	94.40	4,908.89	4,788.96	119.93	40.930		
11,100.00	6,869.46	7,137.98	6,747.32	127.63	52.24	89.08	-1,478.18	94.40	4,994.87	4,874.60	120.27	41.531		
11,200.00	6,870.49	7,138.78	6,748.11	130.40	52.25	89.10	-1,478.22	94.41	5,081.37	4,960.78	120.59	42.139		
11,300.00	6,871.52	7,139.55	6,748.89	133.17	52.25	89.11	-1,478.25	94.41	5,168.35	5,047.46	120.89	42.754		
11,400.00	6,872.55	7,140.29	6,749.63	135.94	52.25	89.13	-1,478.28	94.41	5,255.79	5,134.62	121.17	43.376		
11,500.00	6,873.58	7,141.01	6,750.34	138.72	52.25	89.15	-1,478.30	94.41	5,343.67	5,222.24	121.44	44.004		
11,600.00	6,874.62	7,141.70	6,751.03	141.50	52.25	89.16	-1,478.33	94.42	5,431.97	5,310.28	121.69	44.637		
11,700.00	6,875.65	7,142.36	6,751.70	144.28	52.26	89.18	-1,478.36	94.42	5,520.68	5,398.74	121.93	45.276		
11,800.00	6,876.68	7,143.01	6,752.34	147.07	52.26	89.19	-1,478.38	94.42	5,609.76	5,487.59	122.16	45.920		
11,900.00	6,877.71	7,143.63	6,752.97	149.85	52.26	89.21	-1,478.41	94.42	5,699.20	5,576.82	122.38	46.569		
12,000.00	6,878.74	7,144.23	6,753.57	152.65	52.26	89.22	-1,478.43	94.42	5,788.99	5,666.40	122.59	47.223		
12,100.00	6,879.77	7,144.82	6,754.15	155.44	52.26	89.23	-1,478.45	94.42	5,879.11	5,756.32	122.79	47.881		
12,200.00	6,880.80	7,145.38	6,754.72	158.23	52.26	89.24	-1,478.47	94.42	5,969.54	5,846.56	122.97	48.543		
12,300.00	6,881.83	7,145.93	6,755.26	161.03	52.27	89.26	-1,478.49	94.42	6,060.27	5,937.12	123.15	49.209		
12,400.00	6,882.86	7,146.46	6,755.79	163.83	52.27	89.27	-1,478.51	94.42	6,151.29	6,027.97	123.33	49.878		
12,500.00	6,883.89	7,146.98	6,756.31	166.63	52.27	89.28	-1,478.53	94.42	6,242.59	6,119.10	123.49	50.551		
12,600.00	6,884.93	7,147.47	6,756.81	169.43	52.27	89.29	-1,478.55	94.43	6,334.15	6,210.50	123.65	51.227		
12,700.00	6,885.96	7,147.96	6,757.29	172.24	52.27	89.30	-1,478.57	94.43	6,425.96	6,302.16	123.80	51.907		
12,800.00	6,886.99	7,148.43	6,757.76	175.04	52.27	89.31	-1,478.58	94.43	6,518.01	6,394.06	123.94	52.589		
12,900.00	6,888.02	7,148.89	6,758.22	177.85	52.27	89.32	-1,478.60	94.43	6,610.29	6,486.21	124.08	53.274		
13,000.00	6,889.05	7,149.33	6,758.66	180.66	52.27	89.33	-1,478.62	94.43	6,702.79	6,578.58	124.21	53.961		
13,100.00	6,890.08	7,149.76	6,759.09	183.47	52.28	89.34	-1,478.63	94.43	6,795.51	6,671.16	124.34	54.652		
13,200.00	6,891.11	7,150.18	6,759.51	186.28	52.28	89.35	-1,478.65	94.43	6,888.42	6,763.96	124.47	55.344		
13,300.00	6,892.14	7,150.59	6,759.92	189.10	52.28	89.36	-1,478.66	94.43	6,981.54	6,856.95	124.58	56.039		
13,400.00	6,893.17	7,150.99	6,760.32	191.91	52.28	89.37	-1,478.68	94.43	7,074.84	6,950.14	124.70	56.735		
13,500.00	6,894.21	7,151.38	6,760.71	194.73	52.28	89.38	-1,478.69	94.43	7,168.32	7,043.51	124.81	57.434		
13,600.00	6,895.24	7,151.75	6,761.08	197.54	52.28	89.39	-1,478.71	94.42	7,261.98	7,137.06	124.92	58.134		
13,700.00	6,896.27	7,152.12	6,761.45	200.36	52.28	89.40	-1,478.72	94.42	7,355.80	7,230.78	125.02	58.837		
13,800.00	6,897.30	7,152.48	6,761.81	203.18	52.28	89.41	-1,478.73	94.42	7,449.79	7,324.67	125.12	59.541		
13,900.00	6,898.33	7,152.83	6,762.16	206.00	52.28	89.41	-1,478.74	94.42	7,543.93	7,418.71	125.22	60.246		
14,000.00	6,899.36	7,153.17	6,762.50	208.82	52.29	89.42	-1,478.76	94.42	7,638.21	7,512.90	125.31	60.953		
14,100.00	6,900.39	7,153.50	6,762.83	211.64	52.29	89.43	-1,478.77	94.42	7,732.65	7,607.24	125.40	61.661		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	6,901.42	7,153.83	6,763.16	214.46	52.29	89.44	-1,478.78	94.42	7,827.21	7,701.72	125.49	62.371		
14,300.00	6,902.45	7,154.14	6,763.47	217.28	52.29	89.44	-1,478.79	94.42	7,921.92	7,796.34	125.58	63.082		
14,400.00	6,903.48	7,154.45	6,763.78	220.11	52.29	89.45	-1,478.80	94.42	8,016.75	7,891.08	125.67	63.794		
14,500.00	6,904.52	7,154.75	6,764.08	222.93	52.29	89.46	-1,478.81	94.42	8,111.70	7,985.96	125.75	64.507		
14,600.00	6,905.55	7,155.05	6,764.38	225.76	52.29	89.46	-1,478.82	94.42	8,206.78	8,080.95	125.83	65.221		
14,700.00	6,906.58	7,155.34	6,764.67	228.58	52.29	89.47	-1,478.83	94.42	8,301.97	8,176.06	125.91	65.936		
14,800.00	6,907.61	7,155.62	6,764.95	231.41	52.29	89.48	-1,478.84	94.42	8,397.27	8,271.29	125.99	66.652		
14,900.00	6,908.64	7,155.90	6,765.22	234.24	52.29	89.48	-1,478.85	94.42	8,492.68	8,366.62	126.06	67.369		
15,000.00	6,909.67	7,156.17	6,765.49	237.06	52.29	89.49	-1,478.86	94.42	8,588.20	8,462.06	126.14	68.087		
15,100.00	6,910.70	7,156.43	6,765.76	239.89	52.29	89.49	-1,478.87	94.42	8,683.82	8,557.61	126.21	68.805		
15,200.00	6,911.73	7,156.69	6,766.01	242.72	52.30	89.50	-1,478.88	94.42	8,779.53	8,653.25	126.28	69.524		
15,300.00	6,912.76	7,156.94	6,766.27	245.55	52.30	89.51	-1,478.89	94.42	8,875.34	8,748.99	126.35	70.243		
15,400.00	6,913.80	7,157.19	6,766.51	248.38	52.30	89.51	-1,478.90	94.42	8,971.24	8,844.82	126.42	70.963		
15,500.00	6,914.83	7,157.43	6,766.76	251.21	52.30	89.52	-1,478.90	94.42	9,067.23	8,940.74	126.49	71.684		
15,600.00	6,915.86	7,157.67	6,766.99	254.04	52.30	89.52	-1,478.91	94.41	9,163.30	9,036.74	126.56	72.404		
15,700.00	6,916.89	7,157.90	6,767.23	256.88	52.30	89.53	-1,478.92	94.41	9,259.46	9,132.83	126.62	73.126		
15,800.00	6,917.92	7,158.13	6,767.45	259.71	52.30	89.53	-1,478.93	94.41	9,355.69	9,229.01	126.69	73.848		
15,900.00	6,918.95	7,158.35	6,767.68	262.54	52.30	89.54	-1,478.94	94.41	9,452.01	9,325.26	126.75	74.570		
16,000.00	6,919.98	7,158.57	6,767.90	265.37	52.30	89.54	-1,478.94	94.41	9,548.40	9,421.58	126.82	75.292		
16,100.00	6,921.01	7,158.78	6,768.11	268.21	52.30	89.55	-1,478.95	94.41	9,644.87	9,517.99	126.88	76.015		
16,200.00	6,922.04	7,158.99	6,768.32	271.04	52.30	89.55	-1,478.96	94.41	9,741.40	9,614.46	126.94	76.737		
16,300.00	6,923.08	7,159.20	6,768.53	273.88	52.30	89.56	-1,478.96	94.41	9,838.01	9,711.00	127.01	77.460		
16,400.00	6,924.11	7,159.40	6,768.73	276.71	52.30	89.56	-1,478.97	94.41	9,934.68	9,807.61	127.07	78.183		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-79.06	183.27	-948.13	966.39					
100.00	100.00	60.80	60.80	3.28	3.29	-79.06	183.31	-948.18	965.74	959.16	6.57	146.926		
200.00	200.00	156.13	156.13	3.34	3.34	-79.04	183.68	-948.56	966.20	959.52	6.68	144.613		
300.00	300.00	253.40	253.39	3.44	3.45	-79.01	184.40	-949.27	967.06	960.16	6.90	140.195		
400.00	399.98	349.89	349.87	3.60	3.61	-75.09	185.32	-950.27	967.81	960.60	7.21	134.212		
500.00	499.84	453.92	453.89	3.81	3.82	-75.36	186.32	-951.25	967.58	959.95	7.62	126.903		
600.00	599.45	553.11	553.08	4.06	4.06	-75.84	187.08	-952.05	966.34	958.23	8.10	119.227		
700.00	698.70	651.87	651.83	4.34	4.33	-76.53	187.94	-952.93	964.44	955.79	8.65	111.530		
775.00	772.83	725.74	725.70	4.57	4.54	-77.22	187.93	-953.68	962.58	953.49	9.09	105.926		
800.00	797.48	749.47	749.42	4.65	4.61	-77.46	187.75	-953.97	961.94	952.71	9.24	104.147		
900.00	896.11	849.11	849.04	4.97	4.92	-78.51	186.39	-955.34	959.65	949.77	9.87	97.210		
1,000.00	994.74	953.18	953.05	5.31	5.25	-79.72	183.14	-956.41	957.13	946.57	10.56	90.674		
1,100.00	1,093.37	1,050.30	1,049.94	5.68	5.58	-81.05	176.66	-957.60	954.90	943.65	11.25	84.877		
1,200.00	1,192.00	1,137.45	1,136.85	6.06	5.89	-82.29	170.29	-959.12	953.69	941.75	11.94	79.865		
1,217.04	1,208.80	1,151.92	1,151.26	6.13	5.94	-82.50	169.12	-959.48	953.67	941.61	12.06	79.078 CC, ES		
1,300.00	1,290.63	1,219.55	1,218.56	6.45	6.20	-83.55	162.79	-961.74	954.42	941.78	12.64	75.514		
1,400.00	1,389.26	1,300.69	1,299.01	6.86	6.51	-84.92	153.06	-965.71	957.42	944.06	13.35	71.695		
1,500.00	1,487.88	1,403.92	1,400.91	7.27	6.94	-86.84	137.62	-971.54	962.09	947.91	14.19	67.824		
1,600.00	1,586.51	1,527.01	1,522.10	7.69	7.48	-89.25	116.50	-975.58	965.63	950.49	15.13	63.807		
1,700.00	1,685.14	1,603.62	1,597.26	8.11	7.84	-90.84	101.82	-977.79	970.03	954.13	15.90	61.015		
1,800.00	1,783.77	1,689.63	1,681.13	8.54	8.26	-92.73	83.00	-980.74	976.60	959.88	16.72	58.393		
1,900.00	1,882.40	1,813.29	1,800.91	8.97	8.91	-95.62	52.35	-982.48	983.15	965.36	17.79	55.256		
2,000.00	1,981.03	1,908.69	1,892.57	9.41	9.44	-97.99	25.95	-981.60	989.92	971.18	18.73	52.844		
2,100.00	2,079.66	1,991.78	1,971.80	9.84	9.94	-100.15	0.96	-980.38	998.65	979.03	19.62	50.898		
2,200.00	2,178.28	2,066.99	2,042.82	10.29	10.42	-102.17	-23.76	-979.46	1,010.36	989.90	20.46	49.373		
2,300.00	2,276.91	2,133.00	2,104.49	10.73	10.86	-104.01	-47.30	-978.94	1,025.52	1,004.29	21.23	48.304		
2,400.00	2,375.54	2,190.80	2,157.93	11.18	11.28	-105.65	-69.31	-979.34	1,044.99	1,023.08	21.91	47.686		
2,500.00	2,474.17	2,250.83	2,212.86	11.62	11.74	-107.34	-93.47	-981.14	1,069.19	1,046.61	22.58	47.346		
2,600.00	2,572.80	2,324.00	2,279.25	12.07	12.32	-109.40	-124.11	-983.81	1,096.86	1,073.50	23.36	46.954		
2,700.00	2,671.43	2,408.16	2,355.31	12.52	13.01	-111.71	-160.00	-986.59	1,126.78	1,102.53	24.24	46.475		
2,800.00	2,770.05	2,474.19	2,414.96	12.97	13.57	-113.45	-188.18	-989.33	1,159.34	1,134.43	24.91	46.533		
2,900.00	2,868.68	2,549.89	2,483.35	13.43	14.22	-115.33	-220.38	-993.50	1,194.58	1,168.91	25.67	46.530		
3,000.00	2,967.31	2,627.08	2,553.06	13.88	14.90	-117.16	-253.19	-998.12	1,231.76	1,205.33	26.44	46.595		
3,100.00	3,065.94	2,698.19	2,617.21	14.34	15.53	-118.77	-283.53	-1,002.76	1,270.86	1,243.75	27.11	46.874		
3,200.00	3,164.57	2,769.81	2,681.56	14.79	16.18	-120.31	-314.52	-1,008.05	1,312.18	1,284.40	27.78	47.229		
3,300.00	3,263.20	2,862.27	2,764.74	15.25	17.02	-122.21	-354.31	-1,014.86	1,354.57	1,325.86	28.71	47.187		
3,400.00	3,361.83	2,952.11	2,845.87	15.71	17.85	-123.93	-392.40	-1,021.12	1,397.38	1,367.79	29.59	47.224		
3,500.00	3,460.45	3,039.50	2,924.71	16.17	18.65	-125.54	-429.68	-1,026.72	1,441.04	1,410.60	30.44	47.342		
3,600.00	3,559.08	3,160.37	3,034.58	16.62	19.76	-127.60	-479.56	-1,033.75	1,484.39	1,452.70	31.69	46.844		
3,700.00	3,657.71	3,247.39	3,114.27	17.08	20.54	-128.98	-514.26	-1,037.83	1,526.89	1,494.37	32.52	46.951		
3,800.00	3,756.34	3,341.17	3,199.91	17.54	21.39	-130.43	-552.28	-1,041.84	1,570.43	1,537.00	33.43	46.978		
3,900.00	3,854.97	3,437.20	3,288.17	18.00	22.26	-131.79	-589.88	-1,045.91	1,613.61	1,579.25	34.36	46.960		
4,000.00	3,953.60	3,512.55	3,357.38	18.46	22.94	-132.83	-619.55	-1,048.81	1,657.40	1,622.36	35.05	47.290		
4,100.00	4,052.23	3,604.40	3,441.61	18.92	23.77	-134.03	-655.98	-1,052.61	1,702.16	1,666.24	35.93	47.377		
4,200.00	4,150.85	3,695.76	3,525.74	19.39	24.59	-135.16	-691.44	-1,056.17	1,746.67	1,709.87	36.80	47.464		
4,300.00	4,249.48	3,758.31	3,583.30	19.85	25.15	-135.90	-715.76	-1,058.85	1,791.99	1,754.66	37.33	48.002		
4,400.00	4,348.11	3,818.00	3,637.82	20.31	25.70	-136.57	-739.82	-1,062.24	1,839.33	1,801.50	37.83	48.626		
4,500.00	4,446.74	3,876.75	3,691.15	20.77	26.26	-137.21	-764.19	-1,065.81	1,888.17	1,849.86	38.31	49.288		
4,600.00	4,545.37	3,953.04	3,760.18	21.23	26.99	-138.05	-796.41	-1,069.92	1,937.78	1,898.77	39.01	49.675		
4,700.00	4,644.00	4,035.41	3,834.56	21.70	27.79	-138.92	-831.58	-1,074.07	1,987.97	1,948.18	39.79	49.962		
4,800.00	4,742.63	4,129.96	3,919.95	22.16	28.71	-139.90	-871.97	-1,078.14	2,038.24	1,997.52	40.72	50.053		
4,900.00	4,841.25	4,267.97	4,045.47	22.62	30.02	-141.22	-929.04	-1,083.70	2,087.79	2,045.62	42.18	49.502		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,939.88	4,326.57	4,098.92	23.09	30.57	-141.75	-952.97	-1,085.62	2,136.78	2,094.11	42.67	50.076		
5,100.00	5,038.51	4,419.21	4,183.18	23.55	31.45	-142.58	-991.39	-1,088.54	2,186.57	2,143.00	43.57	50.179		
5,200.00	5,137.14	4,514.00	4,269.79	24.02	32.34	-143.38	-1,029.77	-1,091.69	2,235.90	2,191.40	44.50	50.242		
5,300.00	5,235.77	4,627.16	4,373.79	24.48	33.38	-144.22	-1,074.04	-1,096.89	2,284.92	2,239.28	45.64	50.067		
5,400.00	5,334.40	4,811.62	4,545.72	24.94	34.99	-145.36	-1,139.91	-1,107.87	2,332.10	2,284.58	47.52	49.074		
5,500.00	5,433.03	4,962.23	4,688.03	25.41	36.20	-146.20	-1,188.61	-1,115.36	2,376.03	2,327.06	48.97	48.520		
5,600.00	5,531.65	5,102.30	4,821.44	25.87	37.29	-146.92	-1,230.91	-1,121.14	2,417.96	2,367.68	50.28	48.093		
5,700.00	5,630.28	5,277.21	4,989.48	26.34	38.56	-147.74	-1,278.97	-1,127.74	2,457.66	2,405.81	51.85	47.400		
5,800.00	5,728.91	5,495.18	5,201.49	26.80	39.98	-148.60	-1,328.92	-1,135.26	2,493.38	2,439.73	53.65	46.473		
5,900.00	5,827.54	5,726.40	5,429.11	27.27	41.26	-149.34	-1,368.68	-1,142.81	2,524.07	2,468.72	55.35	45.601		
6,000.00	5,926.17	6,000.00	5,642.73	27.73	42.52	-149.92	-1,394.13	-1,147.35	2,549.30	2,492.29	57.02	44.712		
6,100.00	6,024.80	6,063.28	5,763.87	28.20	42.78	-150.23	-1,405.35	-1,148.81	2,572.31	2,514.62	57.69	44.590		
6,200.00	6,123.43	6,174.36	5,874.54	28.66	43.23	-150.49	-1,414.79	-1,150.38	2,594.88	2,536.33	58.55	44.318		
6,272.77	6,195.20	6,242.22	5,942.16	29.00	43.51	-150.64	-1,420.25	-1,151.90	2,611.29	2,552.17	59.12	44.167		
6,300.00	6,222.05	6,269.45	5,969.29	29.13	43.62	-165.76	-1,422.38	-1,152.63	2,617.69	2,558.34	59.35	44.108		
6,350.00	6,271.23	6,325.02	6,024.68	29.36	43.84	170.51	-1,426.61	-1,154.33	2,630.63	2,570.84	59.79	43.999		
6,400.00	6,319.99	6,422.98	6,122.39	29.58	44.21	154.53	-1,432.67	-1,157.51	2,644.50	2,584.10	60.40	43.782		
6,450.00	6,368.01	6,505.87	6,205.16	29.79	44.50	144.18	-1,436.50	-1,159.94	2,659.13	2,598.19	60.95	43.631		
6,500.00	6,415.02	6,596.67	6,295.89	29.99	44.80	137.22	-1,439.24	-1,162.45	2,674.47	2,612.96	61.51	43.480		
6,550.00	6,460.71	6,671.00	6,370.16	30.18	45.02	132.16	-1,440.27	-1,164.72	2,690.59	2,628.58	62.01	43.389		
6,600.00	6,504.81	6,739.84	6,438.97	30.36	45.20	128.26	-1,440.30	-1,167.08	2,707.62	2,645.13	62.49	43.327		
6,650.00	6,547.04	6,801.19	6,500.27	30.53	45.36	125.06	-1,439.66	-1,169.36	2,725.63	2,662.67	62.96	43.292		
6,700.00	6,587.14	6,860.95	6,559.98	30.69	45.50	122.34	-1,438.55	-1,171.62	2,744.71	2,681.29	63.43	43.275		
6,750.00	6,624.87	6,944.40	6,643.34	30.83	45.69	120.29	-1,435.98	-1,174.46	2,764.62	2,700.68	63.94	43.239 SF		
6,800.00	6,660.00	6,967.92	6,666.84	30.96	45.75	117.61	-1,435.19	-1,175.10	2,785.60	2,721.25	64.35	43.288		
6,850.00	6,692.30	6,991.81	6,690.71	31.07	45.80	114.99	-1,434.52	-1,175.63	2,807.92	2,743.14	64.77	43.351		
6,900.00	6,721.58	7,013.63	6,712.52	31.23	45.85	112.36	-1,434.03	-1,176.00	2,831.47	2,766.27	65.20	43.427		
6,950.00	6,747.66	7,029.00	6,727.89	31.56	45.88	109.60	-1,433.76	-1,176.20	2,856.15	2,790.52	65.63	43.521		
7,000.00	6,770.37	7,046.11	6,745.00	31.92	45.93	106.83	-1,433.55	-1,176.36	2,881.87	2,815.79	66.08	43.612		
7,050.00	6,789.58	7,057.83	6,756.72	32.33	45.96	103.92	-1,433.47	-1,176.42	2,908.49	2,841.96	66.53	43.715		
7,100.00	6,805.17	7,067.44	6,766.32	32.78	45.99	100.93	-1,433.45	-1,176.45	2,935.58	2,868.89	66.99	43.823		
7,150.00	6,817.03	7,074.83	6,773.72	33.27	46.01	97.87	-1,433.46	-1,176.46	2,963.88	2,896.42	67.46	43.932		
7,200.00	6,825.11	7,079.94	6,778.82	33.80	46.03	94.76	-1,433.48	-1,176.45	2,992.33	2,924.39	67.94	44.043		
7,250.00	6,829.35	7,082.67	6,781.56	34.37	46.03	91.62	-1,433.49	-1,176.45	3,021.07	2,952.65	68.42	44.156		
7,273.12	6,830.00	7,083.11	6,782.00	34.65	46.03	90.16	-1,433.49	-1,176.45	3,034.40	2,965.76	68.64	44.209		
7,300.00	6,830.28	7,083.33	6,782.21	34.98	46.03	90.17	-1,433.49	-1,176.45	3,049.99	2,981.09	68.90	44.269		
7,400.00	6,831.31	7,084.13	6,783.02	36.32	46.04	90.19	-1,433.50	-1,176.45	3,109.34	3,039.43	69.91	44.474		
7,500.00	6,832.34	7,084.96	6,783.84	37.83	46.04	90.21	-1,433.51	-1,176.45	3,170.74	3,099.75	70.99	44.666		
7,600.00	6,833.37	7,085.81	6,784.70	39.49	46.04	90.23	-1,433.51	-1,176.44	3,234.06	3,161.96	72.10	44.853		
7,700.00	6,834.40	7,086.69	6,785.58	41.27	46.04	90.25	-1,433.52	-1,176.44	3,299.20	3,225.95	73.24	45.043		
7,800.00	6,835.44	7,087.61	6,786.49	43.17	46.05	90.27	-1,433.52	-1,176.44	3,366.05	3,291.65	74.40	45.243		
7,900.00	6,836.47	7,088.55	6,787.44	45.17	46.05	90.29	-1,433.53	-1,176.44	3,434.50	3,358.95	75.56	45.456		
8,000.00	6,837.50	7,089.53	6,788.41	47.26	46.05	90.31	-1,433.54	-1,176.43	3,504.48	3,427.77	76.71	45.686		
8,100.00	6,838.53	7,090.54	6,789.42	49.43	46.05	90.33	-1,433.55	-1,176.43	3,575.88	3,498.03	77.85	45.935		
8,200.00	6,839.56	7,091.58	6,790.47	51.66	46.06	90.36	-1,433.56	-1,176.42	3,648.63	3,569.66	78.97	46.204		
8,300.00	6,840.59	7,092.67	6,791.55	53.95	46.06	90.38	-1,433.57	-1,176.42	3,722.64	3,642.57	80.07	46.495		
8,400.00	6,841.62	7,093.79	6,792.68	56.29	46.06	90.41	-1,433.58	-1,176.41	3,797.84	3,716.70	81.14	46.807		
8,500.00	6,842.65	7,094.96	6,793.85	58.67	46.07	90.44	-1,433.59	-1,176.41	3,874.16	3,791.97	82.19	47.139		
8,600.00	6,843.68	7,096.17	6,795.06	61.10	46.07	90.46	-1,433.60	-1,176.40	3,951.54	3,868.33	83.20	47.493		
8,700.00	6,844.71	7,097.43	6,796.32	63.56	46.07	90.49	-1,433.62	-1,176.40	4,029.91	3,945.72	84.19	47.867		
8,800.00	6,845.75	7,098.74	6,797.63	66.05	46.08	90.52	-1,433.63	-1,176.39	4,109.22	4,024.07	85.15	48.260		
8,900.00	6,846.78	7,100.11	6,798.99	68.58	46.08	90.56	-1,433.65	-1,176.38	4,189.42	4,103.34	86.07	48.672		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,847.81	7,101.53	6,800.41	71.12	46.08	90.59	-1,433.67	-1,176.37	4,270.45	4,183.48	86.97	49.101		
9,100.00	6,848.84	7,103.01	6,801.89	73.69	46.09	90.62	-1,433.69	-1,176.36	4,352.27	4,264.43	87.84	49.548		
9,200.00	6,849.87	7,104.56	6,803.44	76.28	46.09	90.66	-1,433.71	-1,176.35	4,434.83	4,346.16	88.68	50.011		
9,300.00	6,850.90	7,106.17	6,805.06	78.89	46.10	90.70	-1,433.73	-1,176.34	4,518.10	4,428.62	89.49	50.488		
9,400.00	6,851.93	7,107.86	6,806.75	81.51	46.10	90.73	-1,433.76	-1,176.33	4,602.04	4,511.77	90.27	50.980		
9,500.00	6,852.96	7,109.63	6,808.51	84.15	46.11	90.78	-1,433.79	-1,176.31	4,686.60	4,595.58	91.03	51.486		
9,600.00	6,853.99	7,111.48	6,810.37	86.80	46.11	90.82	-1,433.82	-1,176.30	4,771.76	4,680.01	91.76	52.005		
9,700.00	6,855.03	7,113.42	6,812.31	89.46	46.12	90.86	-1,433.85	-1,176.28	4,857.49	4,765.03	92.46	52.535		
9,800.00	6,856.06	7,115.46	6,814.35	92.14	46.12	90.91	-1,433.89	-1,176.26	4,943.75	4,850.61	93.14	53.077		
9,900.00	6,857.09	7,117.61	6,816.49	94.83	46.13	90.96	-1,433.93	-1,176.24	5,030.52	4,936.72	93.80	53.629		
10,000.00	6,858.12	7,119.87	6,818.75	97.52	46.14	91.01	-1,433.97	-1,176.21	5,117.77	5,023.33	94.44	54.192		
10,100.00	6,859.15	7,122.25	6,821.13	100.23	46.14	91.07	-1,434.02	-1,176.19	5,205.48	5,110.43	95.05	54.764		
10,200.00	6,860.18	7,124.76	6,823.65	102.94	46.15	91.13	-1,434.08	-1,176.16	5,293.63	5,197.98	95.65	55.344		
10,300.00	6,861.21	7,127.42	6,826.30	105.66	46.16	91.19	-1,434.14	-1,176.12	5,382.18	5,285.96	96.23	55.933		
10,400.00	6,862.24	7,130.24	6,829.12	108.39	46.16	91.25	-1,434.21	-1,176.09	5,471.13	5,374.35	96.78	56.529		
10,500.00	6,863.27	7,133.22	6,832.10	111.12	46.17	91.32	-1,434.28	-1,176.05	5,560.46	5,463.13	97.32	57.133		
10,600.00	6,864.30	7,136.40	6,835.27	113.86	46.18	91.39	-1,434.37	-1,176.00	5,650.14	5,552.29	97.85	57.744		
10,700.00	6,865.34	7,139.88	6,838.63	116.60	46.18	91.46	-1,434.46	-1,175.95	5,740.17	5,641.82	98.34	58.369		
10,800.00	6,866.37	7,143.51	6,842.19	119.35	46.19	91.53	-1,434.55	-1,175.90	5,830.51	5,731.68	98.83	58.995		
10,900.00	6,867.40	7,147.29	6,845.94	122.11	46.19	91.60	-1,434.63	-1,175.85	5,921.17	5,821.87	99.30	59.627		
11,000.00	6,868.43	7,151.12	6,849.88	124.87	46.20	91.67	-1,434.72	-1,175.80	6,012.12	5,912.36	99.76	60.265		
11,100.00	6,869.46	7,155.00	6,853.99	127.63	46.20	91.74	-1,434.81	-1,175.75	6,103.36	6,003.15	100.21	60.908		
11,200.00	6,870.49	7,158.93	6,858.26	130.40	46.21	91.81	-1,434.90	-1,175.70	6,194.86	6,094.23	100.64	61.556		
11,300.00	6,871.52	7,162.91	6,862.69	133.17	46.22	91.88	-1,434.99	-1,175.65	6,286.63	6,185.57	101.06	62.210		
11,400.00	6,872.55	7,166.94	6,867.27	135.94	46.22	91.95	-1,435.08	-1,175.60	6,378.64	6,277.18	101.46	62.867		
11,500.00	6,873.58	7,171.02	6,871.91	138.72	46.23	92.02	-1,435.17	-1,175.55	6,470.89	6,369.03	101.86	63.529		
11,600.00	6,874.62	7,175.15	6,876.74	141.50	46.23	92.09	-1,435.26	-1,175.50	6,563.36	6,461.12	102.24	64.195		
11,700.00	6,875.65	7,179.33	6,881.91	144.28	46.24	92.16	-1,435.35	-1,175.45	6,656.05	6,553.44	102.61	64.865		
11,800.00	6,876.68	7,183.56	6,887.24	147.07	46.25	92.23	-1,435.44	-1,175.40	6,748.95	6,645.97	102.98	65.539		
11,900.00	6,877.71	7,187.84	6,892.72	149.85	46.25	92.30	-1,435.53	-1,175.35	6,842.05	6,738.72	103.33	66.216		
12,000.00	6,878.74	7,192.17	6,898.35	152.65	46.26	92.37	-1,435.62	-1,175.30	6,935.34	6,831.66	103.67	66.896		
12,100.00	6,879.77	7,196.55	6,904.14	155.44	46.26	92.44	-1,435.71	-1,175.25	7,028.81	6,924.80	104.01	67.580		
12,200.00	6,880.80	7,200.98	6,910.08	158.23	46.27	92.51	-1,435.80	-1,175.20	7,122.46	7,018.13	104.33	68.266		
12,300.00	6,881.83	7,205.46	6,916.17	161.03	46.27	92.58	-1,435.89	-1,175.15	7,216.28	7,111.63	104.65	68.955		
12,400.00	6,882.86	7,210.00	6,922.40	163.83	46.28	92.65	-1,435.98	-1,175.10	7,310.27	7,205.30	104.96	69.647		
12,500.00	6,883.89	7,214.59	6,928.77	166.63	46.28	92.72	-1,436.07	-1,175.05	7,404.41	7,299.14	105.27	70.341		
12,600.00	6,884.93	7,219.13	6,935.28	169.43	46.29	92.79	-1,436.16	-1,175.00	7,498.70	7,393.14	105.56	71.037		
12,700.00	6,885.96	7,223.72	6,941.93	172.24	46.30	92.86	-1,436.25	-1,174.95	7,593.14	7,487.29	105.85	71.736		
12,800.00	6,886.99	7,228.36	6,948.72	175.04	46.30	92.93	-1,436.34	-1,174.90	7,687.72	7,581.59	106.13	72.436		
12,900.00	6,888.02	7,233.05	6,955.65	177.85	46.31	93.00	-1,436.43	-1,174.85	7,782.43	7,676.02	106.41	73.139		
13,000.00	6,889.05	7,237.79	6,962.72	180.66	46.31	93.07	-1,436.52	-1,174.80	7,877.27	7,770.60	106.68	73.843		
13,100.00	6,890.08	7,242.58	6,969.94	183.47	46.32	93.14	-1,436.61	-1,174.75	7,972.24	7,865.30	106.94	74.549		
13,200.00	6,891.11	7,247.42	6,977.31	186.28	46.32	93.21	-1,436.70	-1,174.70	8,067.33	7,960.14	107.20	75.257		
13,300.00	6,892.14	7,252.31	6,984.83	189.10	46.33	93.28	-1,436.79	-1,174.65	8,162.54	8,055.09	107.45	75.966		
13,400.00	6,893.17	7,257.25	6,992.50	191.91	46.33	93.35	-1,436.88	-1,174.60	8,257.86	8,150.16	107.70	76.677		
13,500.00	6,894.21	7,262.24	6,999.31	194.73	46.34	93.42	-1,436.97	-1,174.55	8,353.29	8,245.35	107.94	77.389		
13,600.00	6,895.24	7,267.28	7,006.26	197.54	46.34	93.49	-1,437.06	-1,174.50	8,448.83	8,340.65	108.18	78.102		
13,700.00	6,896.27	7,272.37	7,013.35	200.36	46.35	93.56	-1,437.15	-1,174.45	8,544.46	8,436.05	108.41	78.817		
13,800.00	6,897.30	7,277.50	7,020.58	203.18	46.35	93.63	-1,437.24	-1,174.40	8,640.20	8,531.56	108.64	79.532		
13,900.00	6,898.33	7,282.68	7,027.94	206.00	46.36	93.70	-1,437.33	-1,174.35	8,736.03	8,627.17	108.86	80.249		
14,000.00	6,899.36	7,287.91	7,035.43	208.82	46.36	93.77	-1,437.42	-1,174.30	8,831.95	8,722.87	109.08	80.966		
14,100.00	6,900.39	7,293.19	7,043.05	211.64	46.37	93.84	-1,437.51	-1,174.25	8,927.96	8,818.66	109.30	81.684		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	6,901.42	7,196.59	6,895.46	214.46	46.37	92.78	-1,435.24	-1,175.52	9,024.06	8,914.55	109.51	82.404		
14,300.00	6,902.45	7,198.13	6,897.00	217.28	46.38	92.82	-1,435.26	-1,175.51	9,120.24	9,010.52	109.72	83.124		
14,400.00	6,903.48	7,199.67	6,898.53	220.11	46.38	92.85	-1,435.28	-1,175.50	9,216.50	9,106.58	109.92	83.844		
14,500.00	6,904.52	7,201.19	6,900.05	222.93	46.39	92.89	-1,435.30	-1,175.49	9,312.85	9,202.72	110.13	84.565		
14,600.00	6,905.55	7,202.70	6,901.56	225.76	46.39	92.92	-1,435.32	-1,175.48	9,409.26	9,298.94	110.32	85.287		
14,700.00	6,906.58	7,204.19	6,903.06	228.58	46.39	92.96	-1,435.34	-1,175.47	9,505.75	9,395.23	110.52	86.010		
14,800.00	6,907.61	7,205.68	6,904.55	231.41	46.40	92.99	-1,435.36	-1,175.46	9,602.32	9,491.60	110.71	86.732		
14,900.00	6,908.64	7,207.16	6,906.03	234.24	46.40	93.02	-1,435.38	-1,175.45	9,698.95	9,588.05	110.90	87.456		
15,000.00	6,909.67	7,208.63	6,907.49	237.06	46.41	93.06	-1,435.40	-1,175.44	9,795.65	9,684.56	111.09	88.179		
15,100.00	6,910.70	7,208.00	6,906.87	239.89	46.41	93.04	-1,435.39	-1,175.44	9,892.41	9,781.15	111.26	88.910		
15,200.00	6,911.73	7,208.00	6,906.87	242.72	46.41	93.04	-1,435.39	-1,175.44	9,989.24	9,877.80	111.44	89.639		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-75.84	244.11	-967.62	998.66					
100.00	100.00	59.89	59.89	3.28	3.29	-75.84	244.11	-967.66	997.98	991.41	6.57	151.839		
200.00	200.00	155.30	155.30	3.34	3.34	-75.84	244.17	-968.08	998.42	991.74	6.68	149.452		
300.00	300.00	258.92	258.91	3.44	3.46	-75.79	245.25	-968.35	998.93	992.03	6.90	144.727		
400.00	399.98	352.80	352.73	3.60	3.61	-71.73	248.50	-968.19	999.07	991.86	7.21	138.583		
500.00	499.84	451.51	451.20	3.81	3.81	-71.64	255.22	-967.45	998.39	990.77	7.61	131.136		
600.00	599.45	546.49	545.62	4.06	4.05	-71.53	265.39	-966.11	996.95	988.85	8.09	123.174		
700.00	698.70	639.26	637.40	4.34	4.33	-71.42	278.82	-964.43	994.97	986.32	8.65	115.052		
775.00	772.83	706.10	703.25	4.57	4.55	-71.35	290.24	-963.34	993.39	984.28	9.10	109.132		
800.00	797.48	730.22	726.96	4.65	4.64	-71.31	294.62	-962.98	992.87	983.59	9.27	107.089		
900.00	896.11	826.67	821.68	4.97	5.02	-71.15	312.78	-961.61	991.01	981.03	9.98	99.313		
1,000.00	994.74	932.43	925.21	5.31	5.48	-70.87	334.24	-959.55	989.04	978.25	10.79	91.696		
1,100.00	1,093.37	1,032.01	1,022.18	5.68	5.96	-70.46	356.68	-956.62	986.75	975.12	11.63	84.841		
1,200.00	1,192.00	1,127.83	1,114.80	6.06	6.47	-69.90	381.01	-953.26	984.77	972.26	12.52	78.678		
1,300.00	1,290.63	1,213.41	1,196.78	6.45	6.97	-69.25	405.34	-950.14	983.70	970.29	13.40	73.395		
1,308.85	1,299.36	1,220.64	1,203.66	6.49	7.01	-69.18	407.54	-949.90	983.69	970.21	13.48	72.969		
1,400.00	1,389.26	1,306.16	1,284.63	6.86	7.56	-68.36	434.91	-947.06	984.15	969.77	14.38	68.430		
1,500.00	1,487.88	1,397.58	1,370.62	7.27	8.18	-67.38	465.76	-943.77	985.27	969.88	15.39	64.005		
1,600.00	1,586.51	1,490.85	1,458.33	7.69	8.83	-66.39	497.41	-941.11	987.47	971.03	16.44	60.072		
1,700.00	1,685.14	1,589.89	1,551.80	8.11	9.53	-65.41	530.05	-938.88	990.19	972.66	17.53	56.488		
1,800.00	1,783.77	1,687.14	1,643.91	8.54	10.22	-64.51	561.20	-937.03	993.18	974.57	18.61	53.371		
1,900.00	1,882.40	1,784.14	1,736.21	8.97	10.90	-63.70	591.00	-935.86	996.53	976.85	19.68	50.641		
2,000.00	1,981.03	1,870.19	1,818.22	9.41	11.50	-63.03	617.05	-935.79	1,000.92	980.26	20.66	48.441		
2,100.00	2,079.66	1,963.54	1,926.18	9.84	12.30	-62.14	651.58	-935.55	1,005.47	983.62	21.85	46.010		
2,200.00	2,178.28	2,102.13	2,039.85	10.29	13.12	-61.32	685.36	-933.99	1,008.33	985.26	23.07	43.712		
2,300.00	2,276.91	2,207.48	2,140.99	10.73	13.84	-60.60	714.68	-931.41	1,010.04	985.86	24.19	41.762		
2,400.00	2,375.54	2,320.12	2,249.39	11.18	14.60	-59.87	745.10	-928.17	1,011.16	985.81	25.35	39.895		
2,500.00	2,474.17	2,422.67	2,348.49	11.62	15.27	-59.27	771.23	-924.65	1,011.19	984.76	26.42	38.271		
2,600.00	2,572.80	2,508.72	2,431.44	12.07	15.85	-58.74	794.02	-922.24	1,012.33	984.93	27.40	36.946		
2,700.00	2,671.43	2,604.93	2,523.66	12.52	16.53	-58.04	821.21	-918.97	1,013.97	985.50	28.46	35.622		
2,800.00	2,770.05	2,687.11	2,601.61	12.97	17.14	-57.30	847.05	-915.86	1,017.01	987.56	29.45	34.539		
2,900.00	2,868.68	2,774.37	2,683.68	13.43	17.82	-56.43	876.55	-912.92	1,021.86	991.39	30.47	33.537		
3,000.00	2,967.31	2,876.31	2,780.19	13.88	18.59	-55.54	909.27	-910.63	1,027.07	995.47	31.60	32.501		
3,100.00	3,065.94	2,974.68	2,873.82	14.34	19.32	-54.79	939.43	-909.31	1,032.50	999.81	32.68	31.592		
3,200.00	3,164.57	3,079.63	2,973.94	14.79	20.08	-54.03	970.85	-908.13	1,037.89	1,004.09	33.80	30.705		
3,300.00	3,263.20	3,180.34	3,070.50	15.25	20.80	-53.40	999.46	-907.38	1,042.89	1,008.01	34.87	29.904		
3,400.00	3,361.83	3,290.60	3,176.24	15.71	21.57	-52.71	1,030.65	-906.06	1,047.57	1,011.56	36.01	29.087		
3,500.00	3,460.45	3,390.65	3,272.34	16.17	22.28	-52.10	1,058.47	-904.41	1,051.72	1,014.65	37.07	28.370		
3,600.00	3,559.08	3,493.29	3,371.21	16.62	22.97	-51.55	1,086.01	-903.58	1,056.12	1,017.99	38.13	27.698		
3,700.00	3,657.71	3,611.77	3,486.28	17.08	23.74	-51.09	1,114.23	-903.05	1,059.08	1,019.80	39.28	26.965		
3,800.00	3,756.34	3,711.66	3,583.34	17.54	24.38	-50.70	1,137.79	-901.68	1,061.22	1,020.93	40.29	26.338		
3,900.00	3,854.97	3,804.27	3,673.00	18.00	24.99	-50.26	1,160.90	-899.97	1,063.85	1,022.59	41.27	25.779		
4,000.00	3,953.60	3,896.22	3,762.11	18.46	25.59	-49.87	1,183.56	-899.31	1,067.28	1,025.05	42.23	25.275		
4,100.00	4,052.23	4,009.91	3,872.99	18.92	26.28	-49.60	1,208.58	-900.74	1,070.77	1,027.46	43.31	24.724		
4,200.00	4,150.85	4,207.21	4,067.87	19.39	27.29	-49.60	1,238.53	-899.51	1,068.42	1,023.76	44.65	23.926		
4,300.00	4,249.48	4,341.58	4,201.86	19.85	27.81	-50.00	1,247.94	-896.41	1,059.91	1,014.33	45.58	23.254		
4,400.00	4,348.11	4,432.46	4,292.67	20.31	28.12	-50.45	1,251.27	-895.27	1,050.42	1,003.98	46.44	22.619		
4,500.00	4,446.74	4,545.53	4,405.72	20.77	28.47	-51.18	1,252.96	-895.57	1,041.01	993.72	47.29	22.014		
4,600.00	4,545.37	4,640.03	4,500.21	21.23	28.74	-51.90	1,252.74	-896.47	1,031.30	983.18	48.12	21.432		
4,700.00	4,644.00	4,740.45	4,600.60	21.70	29.00	-52.76	1,251.19	-898.25	1,021.73	972.79	48.94	20.876		
4,800.00	4,742.63	4,842.49	4,702.60	22.16	29.27	-53.69	1,248.95	-900.18	1,012.15	962.38	49.77	20.338		
4,900.00	4,841.25	4,940.78	4,800.87	22.62	29.54	-54.55	1,247.36	-901.33	1,002.51	951.92	50.59	19.815		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,939.88	5,036.04	4,896.11	23.09	29.81	-55.39	1,246.17	-902.53	993.37	941.95	51.43	19.316		
5,100.00	5,038.51	5,132.80	4,992.86	23.55	30.09	-56.23	1,245.33	-903.79	984.69	932.43	52.26	18.841		
5,200.00	5,137.14	5,226.75	5,086.80	24.02	30.37	-57.05	1,244.95	-905.07	976.52	923.42	53.11	18.387		
5,300.00	5,235.77	5,320.84	5,180.88	24.48	30.66	-57.86	1,245.09	-906.64	969.10	915.15	53.95	17.961		
5,400.00	5,334.40	5,416.71	5,276.73	24.94	30.96	-58.69	1,245.54	-908.46	962.24	907.44	54.80	17.558		
5,500.00	5,433.03	5,517.70	5,377.70	25.41	31.28	-59.56	1,246.11	-910.37	955.64	899.98	55.66	17.169		
5,600.00	5,531.65	5,614.51	5,474.49	25.87	31.59	-60.42	1,246.54	-912.13	949.14	892.63	56.51	16.796		
5,700.00	5,630.28	5,709.49	5,569.45	26.34	31.90	-61.30	1,246.74	-914.40	943.29	885.93	57.36	16.445		
5,800.00	5,728.91	5,808.11	5,668.04	26.80	32.22	-62.20	1,247.34	-916.76	937.85	879.63	58.22	16.109		
5,900.00	5,827.54	5,903.12	5,763.02	27.27	32.55	-63.05	1,248.43	-918.99	932.81	873.74	59.07	15.791		
6,000.00	5,926.17	6,005.62	5,865.47	27.73	32.90	-63.97	1,249.75	-921.66	928.30	868.36	59.94	15.487		
6,100.00	6,024.80	6,115.80	5,975.64	28.20	33.27	-64.96	1,250.86	-923.18	922.76	861.94	60.82	15.173		
6,200.00	6,123.43	6,210.93	6,070.76	28.66	33.60	-65.82	1,251.79	-924.26	917.22	855.55	61.68	14.871		
6,272.77	6,195.20	6,278.93	6,138.74	29.00	33.84	-66.44	1,252.61	-925.26	913.62	851.32	62.30	14.665		
6,300.00	6,222.05	6,304.25	6,164.05	29.13	33.93	-81.24	1,252.98	-925.69	912.94	850.41	62.53	14.599		
6,302.34	6,224.36	6,306.42	6,166.23	29.14	33.94	-82.47	1,253.02	-925.73	912.94	850.38	62.55	14.594 CC, ES		
6,350.00	6,271.23	6,350.59	6,210.38	29.36	34.10	-104.30	1,253.78	-926.56	914.73	851.76	62.96	14.528		
6,400.00	6,319.99	6,398.48	6,258.25	29.58	34.27	-119.67	1,254.70	-927.55	920.40	857.01	63.39	14.520 SF		
6,450.00	6,368.01	6,445.96	6,305.71	29.79	34.44	-129.39	1,255.64	-928.54	929.89	866.08	63.81	14.573		
6,500.00	6,415.02	6,493.07	6,352.80	29.99	34.61	-135.79	1,256.60	-929.53	943.16	878.94	64.22	14.687		
6,550.00	6,460.71	6,545.70	6,405.41	30.18	34.80	-140.32	1,257.47	-930.47	959.94	895.31	64.63	14.853		
6,600.00	6,504.81	6,596.59	6,456.30	30.36	34.98	-143.62	1,257.98	-931.09	980.04	915.02	65.02	15.073		
6,650.00	6,547.04	6,645.48	6,505.19	30.53	35.15	-146.10	1,258.15	-931.41	1,003.38	937.99	65.39	15.344		
6,700.00	6,587.14	6,690.93	6,550.63	30.69	35.30	-147.93	1,258.28	-931.44	1,029.93	964.19	65.73	15.669		
6,750.00	6,624.87	6,734.44	6,594.15	30.83	35.45	-149.28	1,258.36	-931.24	1,059.54	993.49	66.05	16.041		
6,800.00	6,660.00	6,775.37	6,635.07	30.96	35.59	-150.21	1,258.40	-930.83	1,092.08	1,025.73	66.35	16.459		
6,850.00	6,692.30	6,804.23	6,663.93	31.07	35.69	-150.49	1,258.45	-930.58	1,127.56	1,060.95	66.61	16.927		
6,900.00	6,721.58	6,832.81	6,692.52	31.23	35.79	-150.40	1,258.50	-930.33	1,165.73	1,098.88	66.85	17.438		
6,950.00	6,747.66	6,858.27	6,717.97	31.56	35.88	-149.80	1,258.56	-930.13	1,206.36	1,139.30	67.06	17.989		
7,000.00	6,770.37	6,880.44	6,740.15	31.92	35.95	-148.56	1,258.61	-929.97	1,249.16	1,181.91	67.24	18.576		
7,050.00	6,789.58	6,899.46	6,759.16	32.33	36.02	-146.44	1,258.66	-929.85	1,293.84	1,226.44	67.40	19.196		
7,100.00	6,805.17	6,915.35	6,775.05	32.78	36.07	-142.99	1,258.71	-929.75	1,340.10	1,272.57	67.54	19.843		
7,150.00	6,817.03	6,927.54	6,787.23	33.27	36.11	-137.25	1,258.74	-929.67	1,387.64	1,320.00	67.64	20.514		
7,200.00	6,825.11	6,935.93	6,795.63	33.80	36.14	-127.25	1,258.76	-929.62	1,436.14	1,368.42	67.73	21.205		
7,250.00	6,829.35	6,940.49	6,800.19	34.37	36.16	-109.04	1,258.78	-929.59	1,485.29	1,417.51	67.78	21.912		
7,273.12	6,830.00	6,941.29	6,800.99	34.65	36.16	-96.53	1,258.78	-929.58	1,508.16	1,440.35	67.80	22.243		
7,300.00	6,830.28	6,941.74	6,801.44	34.98	36.16	-96.65	1,258.78	-929.58	1,534.77	1,466.94	67.82	22.629		
7,400.00	6,831.31	6,943.41	6,803.11	36.32	36.17	-97.09	1,258.79	-929.57	1,633.84	1,565.95	67.89	24.066		
7,500.00	6,832.34	6,945.08	6,804.78	37.83	36.17	-97.53	1,258.79	-929.56	1,733.03	1,665.07	67.95	25.503		
7,600.00	6,833.37	6,946.75	6,806.45	39.49	36.18	-97.97	1,258.79	-929.55	1,832.30	1,764.28	68.01	26.940		
7,700.00	6,834.40	6,948.42	6,808.12	41.27	36.19	-98.41	1,258.80	-929.54	1,931.64	1,863.57	68.07	28.377		
7,800.00	6,835.44	6,950.10	6,809.79	43.17	36.19	-98.85	1,258.80	-929.53	2,031.05	1,962.92	68.13	29.813		
7,900.00	6,836.47	6,951.77	6,811.47	45.17	36.20	-99.29	1,258.81	-929.52	2,130.51	2,062.33	68.18	31.249		
8,000.00	6,837.50	6,953.44	6,813.14	47.26	36.20	-99.73	1,258.81	-929.51	2,230.01	2,161.78	68.23	32.684		
8,100.00	6,838.53	6,955.11	6,814.81	49.43	36.21	-100.16	1,258.82	-929.49	2,329.56	2,261.28	68.28	34.118		
8,200.00	6,839.56	6,956.78	6,816.48	51.66	36.21	-100.60	1,258.82	-929.48	2,429.15	2,360.82	68.33	35.550		
8,300.00	6,840.59	6,958.45	6,818.15	53.95	36.22	-101.03	1,258.83	-929.47	2,528.76	2,460.39	68.38	36.982		
8,400.00	6,841.62	6,960.12	6,819.82	56.29	36.23	-101.46	1,258.83	-929.46	2,628.41	2,559.98	68.43	38.413		
8,500.00	6,842.65	6,961.79	6,821.49	58.67	36.23	-101.90	1,258.84	-929.45	2,728.08	2,659.60	68.47	39.842		
8,600.00	6,843.68	6,963.47	6,823.16	61.10	36.24	-102.32	1,258.84	-929.44	2,827.77	2,759.25	68.52	41.269		
8,700.00	6,844.71	6,965.14	6,824.84	63.56	36.24	-102.75	1,258.85	-929.43	2,927.48	2,858.91	68.57	42.695		
8,800.00	6,845.75	6,966.81	6,826.51	66.05	36.25	-103.18	1,258.85	-929.42	3,027.21	2,958.60	68.61	44.120		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,846.78	6,968.48	6,828.18	68.58	36.25	-103.60	1,258.86	-929.41	3,126.96	3,058.30	68.66	45.542		
9,000.00	6,847.81	6,970.15	6,829.85	71.12	36.26	-104.03	1,258.86	-929.40	3,226.72	3,158.01	68.71	46.963		
9,100.00	6,848.84	6,971.82	6,831.52	73.69	36.27	-104.45	1,258.86	-929.39	3,326.49	3,257.74	68.75	48.382		
9,200.00	6,849.87	6,973.49	6,833.19	76.28	36.27	-104.87	1,258.87	-929.38	3,426.28	3,357.48	68.80	49.799		
9,300.00	6,850.90	6,975.16	6,834.86	78.89	36.28	-105.29	1,258.87	-929.37	3,526.08	3,457.23	68.85	51.214		
9,400.00	6,851.93	6,976.83	6,836.53	81.51	36.28	-105.70	1,258.88	-929.36	3,625.89	3,556.99	68.90	52.627		
9,500.00	6,852.96	6,978.50	6,838.20	84.15	36.29	-106.12	1,258.88	-929.34	3,725.71	3,656.76	68.95	54.038		
9,600.00	6,853.99	6,980.17	6,839.87	86.80	36.30	-106.53	1,258.89	-929.33	3,825.53	3,756.54	69.00	55.446		
9,700.00	6,855.03	6,981.84	6,841.54	89.46	36.30	-106.94	1,258.89	-929.32	3,925.37	3,856.32	69.04	56.852		
9,800.00	6,856.06	6,983.52	6,843.21	92.14	36.31	-107.35	1,258.90	-929.31	4,025.21	3,956.11	69.10	58.256		
9,900.00	6,857.09	6,985.19	6,844.88	94.83	36.31	-107.76	1,258.90	-929.30	4,125.06	4,055.91	69.15	59.657		
10,000.00	6,858.12	6,986.86	6,846.55	97.52	36.32	-108.17	1,258.91	-929.29	4,224.91	4,155.72	69.20	61.056		
10,100.00	6,859.15	6,988.53	6,848.22	100.23	36.32	-108.57	1,258.91	-929.28	4,324.78	4,255.53	69.25	62.453		
10,200.00	6,860.18	6,990.20	6,849.89	102.94	36.33	-108.97	1,258.92	-929.27	4,424.64	4,355.34	69.30	63.846		
10,300.00	6,861.21	6,991.87	6,851.56	105.66	36.34	-109.37	1,258.92	-929.26	4,524.52	4,455.16	69.35	65.237		
10,400.00	6,862.24	6,993.54	6,853.23	108.39	36.34	-109.77	1,258.93	-929.25	4,624.39	4,554.99	69.41	66.625		
10,500.00	6,863.27	6,995.21	6,854.90	111.12	36.35	-110.17	1,258.93	-929.24	4,724.28	4,654.81	69.46	68.011		
10,600.00	6,864.30	6,996.88	6,856.58	113.86	36.35	-110.56	1,258.93	-929.23	4,824.16	4,754.64	69.52	69.393		
10,700.00	6,865.34	6,998.55	6,858.25	116.60	36.36	-110.95	1,258.94	-929.22	4,924.05	4,854.48	69.58	70.773		
10,800.00	6,866.37	7,000.22	6,859.92	119.35	36.36	-111.34	1,258.94	-929.21	5,023.95	4,954.32	69.63	72.150		
10,900.00	6,867.40	7,001.89	6,861.59	122.11	36.37	-111.73	1,258.95	-929.20	5,123.85	5,054.16	69.69	73.524		
11,000.00	6,868.43	7,003.56	6,863.25	124.87	36.38	-112.12	1,258.95	-929.18	5,223.75	5,154.00	69.75	74.894		
11,100.00	6,869.46	7,005.23	6,864.92	127.63	36.38	-112.50	1,258.96	-929.17	5,323.65	5,253.84	69.81	76.262		
11,200.00	6,870.49	7,006.90	6,866.59	130.40	36.39	-112.88	1,258.96	-929.16	5,423.56	5,353.69	69.87	77.626		
11,300.00	6,871.52	7,008.57	6,868.26	133.17	36.39	-113.26	1,258.97	-929.15	5,523.47	5,453.54	69.93	78.988		
11,400.00	6,872.55	7,010.24	6,869.93	135.94	36.40	-113.64	1,258.97	-929.14	5,623.38	5,553.39	69.99	80.346		
11,500.00	6,873.58	7,011.91	6,871.60	138.72	36.40	-114.01	1,258.98	-929.13	5,723.30	5,653.25	70.05	81.700		
11,600.00	6,874.62	7,013.58	6,873.27	141.50	36.41	-114.39	1,258.98	-929.12	5,823.22	5,753.10	70.12	83.052		
11,700.00	6,875.65	7,015.25	6,874.94	144.28	36.42	-114.76	1,258.99	-929.11	5,923.14	5,852.96	70.18	84.400		
11,800.00	6,876.68	7,016.92	6,876.61	147.07	36.42	-115.13	1,258.99	-929.10	6,023.06	5,952.81	70.24	85.744		
11,900.00	6,877.71	7,018.59	6,878.28	149.85	36.43	-115.49	1,259.00	-929.09	6,122.98	6,052.67	70.31	87.085		
12,000.00	6,878.74	7,020.25	6,879.95	152.65	36.43	-115.86	1,259.00	-929.08	6,222.91	6,152.53	70.38	88.423		
12,100.00	6,879.77	7,021.92	6,881.62	155.44	36.44	-116.22	1,259.01	-929.07	6,322.84	6,252.39	70.44	89.757		
12,200.00	6,880.80	7,023.59	6,883.29	158.23	36.45	-116.58	1,259.01	-929.06	6,422.77	6,352.26	70.51	91.087		
12,300.00	6,881.83	7,025.26	6,884.96	161.03	36.45	-116.93	1,259.01	-929.05	6,522.70	6,452.12	70.58	92.414		
12,400.00	6,882.86	7,026.93	6,886.63	163.83	36.46	-117.29	1,259.02	-929.04	6,622.63	6,551.98	70.65	93.737		
12,500.00	6,883.89	7,028.60	6,888.30	166.63	36.46	-117.64	1,259.02	-929.02	6,722.57	6,651.85	70.72	95.057		
12,600.00	6,884.93	7,030.27	6,889.97	169.43	36.47	-117.99	1,259.03	-929.01	6,822.51	6,751.71	70.79	96.372		
12,700.00	6,885.96	7,031.94	6,891.64	172.24	36.47	-118.34	1,259.03	-929.00	6,922.44	6,851.58	70.87	97.684		
12,800.00	6,886.99	7,033.61	6,893.31	175.04	36.48	-118.69	1,259.04	-928.99	7,022.38	6,951.44	70.94	98.992		
12,900.00	6,888.02	7,035.28	6,894.97	177.85	36.49	-119.03	1,259.04	-928.98	7,122.32	7,051.31	71.01	100.296		
13,000.00	6,889.05	7,036.95	6,896.64	180.66	36.49	-119.37	1,259.05	-928.97	7,222.27	7,151.18	71.09	101.597		
13,100.00	6,890.08	7,038.62	6,898.31	183.47	36.50	-119.71	1,259.05	-928.96	7,322.21	7,251.05	71.16	102.893		
13,200.00	6,891.11	7,040.28	6,899.98	186.28	36.50	-120.05	1,259.06	-928.95	7,422.15	7,350.91	71.24	104.186		
13,300.00	6,892.14	7,041.95	6,901.65	189.10	36.51	-120.38	1,259.06	-928.94	7,522.10	7,450.78	71.32	105.474		
13,400.00	6,893.17	7,029.00	6,888.70	191.91	36.46	-117.73	1,259.03	-929.02	7,622.06	7,550.72	71.33	106.849		
13,500.00	6,894.21	7,029.00	6,888.70	194.73	36.46	-117.73	1,259.03	-929.02	7,722.01	7,650.60	71.41	108.141		
13,600.00	6,895.24	7,029.00	6,888.70	197.54	36.46	-117.73	1,259.03	-929.02	7,821.96	7,750.48	71.48	109.429		
13,700.00	6,896.27	7,029.00	6,888.70	200.36	36.46	-117.73	1,259.03	-929.02	7,921.92	7,850.36	71.55	110.713		
13,800.00	6,897.30	7,029.00	6,888.70	203.18	36.46	-117.73	1,259.03	-929.02	8,021.87	7,950.24	71.63	111.994		
13,900.00	6,898.33	7,029.00	6,888.70	206.00	36.46	-117.73	1,259.03	-929.02	8,121.83	8,050.12	71.70	113.270		
14,000.00	6,899.36	7,044.83	6,904.53	208.82	36.52	-120.95	1,259.07	-928.93	8,221.76	8,149.91	71.85	114.436		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #29-5 - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
14,100.00	6,900.39	7,045.83	6,905.53	211.64	36.52	-121.15	1,259.08	-928.92	8,321.71	8,249.79	71.93	115.697	
14,200.00	6,901.42	7,046.82	6,906.52	214.46	36.53	-121.34	1,259.08	-928.92	8,421.67	8,349.66	72.01	116.953	
14,300.00	6,902.45	7,047.81	6,907.50	217.28	36.53	-121.53	1,259.08	-928.91	8,521.62	8,449.53	72.09	118.206	
14,400.00	6,903.48	7,048.78	6,908.48	220.11	36.53	-121.72	1,259.09	-928.91	8,621.58	8,549.41	72.17	119.454	
14,500.00	6,904.52	7,049.75	6,909.44	222.93	36.54	-121.91	1,259.09	-928.90	8,721.54	8,649.28	72.26	120.698	
14,600.00	6,905.55	7,050.71	6,910.40	225.76	36.54	-122.09	1,259.09	-928.90	8,821.50	8,749.16	72.34	121.938	
14,700.00	6,906.58	7,051.66	6,911.35	228.58	36.54	-122.28	1,259.10	-928.89	8,921.46	8,849.03	72.43	123.174	
14,800.00	6,907.61	7,052.60	6,912.30	231.41	36.55	-122.46	1,259.10	-928.89	9,021.42	8,948.90	72.52	124.406	
14,900.00	6,908.64	7,053.53	6,913.23	234.24	36.55	-122.63	1,259.10	-928.89	9,121.38	9,048.78	72.60	125.633	
15,000.00	6,909.67	7,054.46	6,914.16	237.06	36.55	-122.81	1,259.11	-928.88	9,221.34	9,148.65	72.69	126.857	
15,100.00	6,910.70	7,055.38	6,915.08	239.89	36.56	-122.98	1,259.11	-928.88	9,321.30	9,248.52	72.78	128.076	
15,200.00	6,911.73	7,056.29	6,915.99	242.72	36.56	-123.16	1,259.11	-928.87	9,421.27	9,348.40	72.87	129.291	
15,300.00	6,912.76	7,057.20	6,916.89	245.55	36.56	-123.33	1,259.12	-928.87	9,521.23	9,448.27	72.96	130.501	
15,400.00	6,913.80	7,058.09	6,917.79	248.38	36.57	-123.49	1,259.12	-928.86	9,621.20	9,548.15	73.05	131.708	
15,500.00	6,914.83	7,058.98	6,918.68	251.21	36.57	-123.66	1,259.12	-928.86	9,721.16	9,648.02	73.14	132.909	
15,600.00	6,915.86	7,059.87	6,919.56	254.04	36.57	-123.82	1,259.13	-928.86	9,821.13	9,747.89	73.23	134.107	
15,700.00	6,916.89	7,060.74	6,920.44	256.88	36.58	-123.98	1,259.13	-928.85	9,921.09	9,847.77	73.33	135.301	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-77.44	213.51	-958.71	982.93					
100.00	100.00	57.78	57.78	3.28	3.29	-77.44	213.56	-958.79	982.29	975.72	6.57	149.463		
200.00	200.00	148.60	148.60	3.34	3.34	-77.43	214.02	-959.52	983.19	976.51	6.68	147.262		
300.00	300.00	270.30	270.27	3.44	3.47	-77.32	215.95	-959.79	983.82	976.90	6.92	142.180		
400.00	399.98	439.22	438.74	3.60	3.79	-73.06	223.65	-950.82	979.27	971.84	7.43	131.796		
500.00	499.84	552.80	551.60	3.81	4.07	-73.10	229.64	-939.66	969.38	961.46	7.92	122.391		
600.00	599.45	663.24	661.07	4.06	4.41	-73.33	236.17	-926.57	956.59	948.11	8.48	112.756		
700.00	698.70	765.81	762.42	4.34	4.77	-73.64	244.91	-913.55	942.63	933.54	9.09	103.685		
775.00	772.83	844.17	839.45	4.57	5.09	-73.86	254.15	-902.54	931.05	921.44	9.60	96.971		
800.00	797.48	869.88	864.69	4.65	5.20	-73.86	257.40	-898.82	927.03	917.26	9.78	94.808		
900.00	896.11	1,005.91	997.42	4.97	5.83	-73.72	276.56	-876.18	909.32	898.63	10.69	85.038		
1,000.00	994.74	1,129.27	1,116.23	5.31	6.50	-73.30	296.73	-849.85	887.32	875.70	11.62	76.340		
1,100.00	1,093.37	1,256.04	1,237.84	5.68	7.26	-72.88	316.22	-819.83	863.07	850.45	12.61	68.420		
1,200.00	1,192.00	1,350.86	1,328.45	6.06	7.87	-72.54	330.38	-795.75	837.03	823.55	13.48	62.099		
1,300.00	1,290.63	1,440.34	1,413.91	6.45	8.46	-72.15	344.46	-773.30	811.49	797.13	14.35	56.535		
1,400.00	1,389.26	1,532.99	1,502.36	6.86	9.09	-71.66	360.06	-750.53	786.75	771.46	15.28	51.478		
1,500.00	1,487.88	1,635.31	1,599.58	7.27	9.82	-70.95	378.90	-724.78	761.89	745.59	16.30	46.736		
1,600.00	1,586.51	1,735.90	1,695.07	7.69	10.55	-70.22	396.86	-698.79	736.35	719.01	17.34	42.475		
1,700.00	1,685.14	1,841.93	1,795.72	8.11	11.33	-69.44	415.15	-670.91	710.36	691.95	18.41	38.587		
1,800.00	1,783.77	1,931.51	1,880.57	8.54	12.00	-68.72	430.44	-646.60	683.63	664.19	19.43	35.176		
1,900.00	1,882.40	2,018.52	1,963.42	8.97	12.65	-68.02	445.18	-624.49	658.57	638.11	20.46	32.181		
2,000.00	1,981.03	2,116.36	2,056.53	9.41	13.38	-67.12	462.65	-600.06	634.35	612.79	21.56	29.420		
2,100.00	2,079.66	2,210.29	2,145.94	9.84	14.08	-66.19	479.19	-576.46	610.06	587.40	22.66	26.922		
2,200.00	2,178.28	2,309.77	2,240.75	10.29	14.82	-65.18	496.40	-551.76	586.11	562.32	23.79	24.636		
2,300.00	2,276.91	2,410.15	2,336.61	10.73	15.56	-64.20	512.39	-526.66	561.67	536.76	24.92	22.542		
2,400.00	2,375.54	2,492.86	2,415.88	11.18	16.16	-63.38	525.45	-507.01	538.47	512.46	26.00	20.709		
2,500.00	2,474.17	2,599.83	2,518.24	11.62	16.95	-62.13	543.23	-481.51	515.70	488.52	27.18	18.977		
2,600.00	2,572.80	2,704.77	2,618.06	12.07	17.75	-60.68	560.25	-453.98	490.79	462.42	28.37	17.299		
2,700.00	2,671.43	2,794.81	2,703.56	12.52	18.45	-59.24	575.38	-430.14	466.26	436.68	29.58	15.762		
2,800.00	2,770.05	2,890.18	2,794.75	12.97	19.16	-57.77	590.65	-406.78	443.42	412.64	30.78	14.404		
2,900.00	2,868.68	2,985.56	2,886.31	13.43	19.85	-56.38	604.18	-383.74	420.32	388.35	31.97	13.148		
3,000.00	2,967.31	3,075.80	2,973.40	13.88	20.47	-55.12	616.52	-363.61	398.79	365.66	33.13	12.036		
3,100.00	3,065.94	3,164.45	3,059.68	14.34	21.04	-54.14	627.50	-346.50	379.35	345.10	34.24	11.078		
3,200.00	3,164.57	3,255.06	3,148.58	14.79	21.56	-53.46	637.72	-332.27	362.40	327.11	35.29	10.270		
3,300.00	3,263.20	3,346.14	3,238.40	15.25	22.05	-53.08	647.23	-320.56	347.43	311.16	36.27	9.580		
3,400.00	3,361.83	3,440.92	3,332.31	15.71	22.50	-53.09	656.05	-311.34	334.42	297.24	37.19	8.993		
3,500.00	3,460.45	3,537.40	3,428.23	16.17	22.93	-53.57	663.33	-304.06	322.30	284.26	38.04	8.474		
3,600.00	3,559.08	3,635.21	3,525.79	16.62	23.31	-54.71	668.25	-299.06	310.90	272.10	38.80	8.013		
3,700.00	3,657.71	3,733.67	3,624.17	17.08	23.65	-56.58	670.51	-295.97	299.98	260.51	39.46	7.601		
3,800.00	3,756.34	3,833.12	3,723.59	17.54	23.97	-58.91	671.37	-293.41	289.24	249.16	40.07	7.218		
3,900.00	3,854.97	3,924.92	3,815.37	18.00	24.25	-61.40	671.96	-292.67	280.47	239.87	40.60	6.907		
4,000.00	3,953.60	4,024.26	3,914.72	18.46	24.55	-64.34	672.50	-292.84	273.24	232.12	41.13	6.644		
4,100.00	4,052.23	4,122.23	4,012.68	18.92	24.85	-67.30	673.45	-292.98	266.88	225.24	41.64	6.409		
4,200.00	4,150.85	4,220.81	4,111.25	19.39	25.17	-70.24	675.17	-293.08	261.46	219.29	42.16	6.201		
4,300.00	4,249.48	4,318.89	4,209.31	19.85	25.48	-73.27	676.99	-293.29	256.90	214.23	42.67	6.020		
4,400.00	4,348.11	4,417.23	4,307.62	20.31	25.80	-76.32	679.24	-293.81	253.50	210.31	43.19	5.870		
4,500.00	4,446.74	4,515.58	4,405.95	20.77	26.12	-79.49	681.31	-294.53	251.03	207.33	43.69	5.745		
4,600.00	4,545.37	4,613.99	4,504.33	21.23	26.43	-82.78	683.11	-295.53	249.64	205.44	44.20	5.649		
4,674.75	4,619.09	4,687.37	4,577.69	21.58	26.67	-85.26	684.40	-296.43	249.31	204.74	44.57	5.593 CC		
4,700.00	4,644.00	4,712.14	4,602.46	21.70	26.75	-86.10	684.84	-296.77	249.35	204.65	44.70	5.578 ES		
4,800.00	4,742.63	4,811.11	4,701.41	22.16	27.06	-89.54	686.15	-298.19	250.12	204.90	45.22	5.531		
4,900.00	4,841.25	4,913.52	4,803.82	22.62	27.38	-93.42	686.03	-298.86	251.22	205.42	45.80	5.486		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,939.88	5,015.96	4,906.23	23.09	27.70	-97.72	684.20	-297.17	251.49	205.12	46.37	5.424		
5,100.00	5,038.51	5,113.77	5,003.99	23.55	28.02	-101.80	682.58	-295.19	252.74	205.81	46.93	5.386		
5,200.00	5,137.14	5,210.98	5,101.19	24.02	28.34	-105.63	681.53	-293.71	255.57	208.03	47.53	5.377 SF		
5,300.00	5,235.77	5,308.59	5,198.79	24.48	28.66	-109.28	680.78	-292.84	260.02	211.82	48.20	5.395		
5,400.00	5,334.40	5,409.41	5,299.61	24.94	29.00	-112.94	679.93	-291.71	265.39	216.40	48.98	5.418		
5,500.00	5,433.03	5,507.52	5,397.70	25.41	29.34	-116.28	679.69	-290.23	271.12	221.36	49.77	5.448		
5,600.00	5,531.65	5,605.54	5,495.72	25.87	29.68	-119.32	679.96	-289.43	278.06	227.48	50.59	5.497		
5,700.00	5,630.28	5,705.14	5,595.31	26.34	30.04	-122.06	681.07	-289.09	285.65	234.18	51.47	5.550		
5,800.00	5,728.91	5,803.68	5,693.84	26.80	30.40	-124.49	682.76	-289.11	293.76	241.42	52.35	5.612		
5,900.00	5,827.54	5,901.82	5,791.96	27.27	30.75	-126.72	684.61	-289.45	302.51	249.29	53.22	5.684		
6,000.00	5,926.17	5,997.44	5,887.56	27.73	31.08	-128.75	686.12	-290.22	312.25	258.21	54.04	5.778		
6,100.00	6,024.80	6,092.17	5,982.29	28.20	31.40	-130.81	685.96	-291.36	323.87	269.03	54.83	5.906		
6,200.00	6,123.43	6,191.05	6,081.15	28.66	31.73	-132.99	684.71	-292.11	336.41	280.67	55.74	6.036		
6,272.77	6,195.20	6,264.07	6,154.16	29.00	31.97	-134.62	683.48	-291.92	345.57	289.14	56.43	6.124		
6,300.00	6,222.05	6,291.47	6,181.57	29.13	32.06	-149.92	683.15	-291.87	349.36	292.67	56.69	6.163		
6,350.00	6,271.23	6,341.05	6,231.14	29.36	32.23	-173.63	682.80	-291.91	358.21	301.08	57.13	6.270		
6,400.00	6,319.99	6,389.55	6,279.63	29.58	32.40	170.71	682.70	-292.25	369.53	312.01	57.53	6.423		
6,450.00	6,368.01	6,437.14	6,327.22	29.79	32.56	160.95	682.78	-292.85	383.30	325.40	57.90	6.620		
6,500.00	6,415.02	6,483.57	6,373.65	29.99	32.72	154.70	682.92	-293.56	399.53	341.28	58.25	6.859		
6,550.00	6,460.71	6,529.99	6,420.06	30.18	32.88	150.56	683.15	-294.35	418.20	359.59	58.61	7.135		
6,600.00	6,504.81	6,575.13	6,465.19	30.36	33.04	147.69	683.58	-295.11	439.24	380.28	58.96	7.450		
6,650.00	6,547.04	6,617.34	6,507.40	30.53	33.19	145.54	684.14	-295.87	462.75	403.48	59.28	7.807		
6,700.00	6,587.14	6,657.04	6,547.08	30.69	33.33	143.78	684.79	-296.67	488.86	429.29	59.58	8.206		
6,750.00	6,624.87	6,694.42	6,584.44	30.83	33.47	142.20	685.51	-297.52	517.57	457.70	59.86	8.646		
6,800.00	6,660.00	6,729.18	6,619.19	30.96	33.59	140.59	686.30	-298.37	548.81	488.67	60.14	9.125		
6,850.00	6,692.30	6,760.93	6,650.91	31.07	33.71	138.78	687.12	-299.20	582.50	522.10	60.40	9.644		
6,900.00	6,721.58	6,789.77	6,679.73	31.23	33.81	136.62	687.93	-299.98	618.52	557.88	60.64	10.199		
6,950.00	6,747.66	6,815.27	6,705.21	31.56	33.90	133.92	688.70	-300.68	656.70	595.83	60.87	10.789		
7,000.00	6,770.37	6,837.27	6,727.19	31.92	33.98	130.49	689.40	-301.28	696.82	635.76	61.07	11.411		
7,050.00	6,789.58	6,855.76	6,745.66	32.33	34.05	126.10	690.02	-301.80	738.66	677.42	61.24	12.062		
7,100.00	6,805.17	6,871.26	6,761.15	32.78	34.11	120.60	690.53	-302.21	781.96	720.56	61.40	12.736		
7,150.00	6,817.03	6,882.87	6,772.75	33.27	34.15	113.65	690.91	-302.49	826.43	764.90	61.53	13.431		
7,200.00	6,825.11	6,890.45	6,780.32	33.80	34.18	105.11	691.16	-302.67	871.78	810.16	61.63	14.146		
7,250.00	6,829.35	6,893.87	6,783.74	34.37	34.19	95.11	691.27	-302.75	917.73	856.04	61.70	14.875		
7,273.12	6,830.00	6,894.01	6,783.88	34.65	34.19	90.13	691.27	-302.76	939.10	877.38	61.72	15.216		
7,300.00	6,830.28	6,893.65	6,783.52	34.98	34.19	90.08	691.26	-302.75	964.01	902.27	61.74	15.614		
7,400.00	6,831.31	6,892.26	6,782.13	36.32	34.18	89.85	691.22	-302.72	1,057.55	995.72	61.82	17.106		
7,500.00	6,832.34	6,890.83	6,780.70	37.83	34.18	89.62	691.17	-302.68	1,152.17	1,090.26	61.90	18.612		
7,600.00	6,833.37	6,889.36	6,779.23	39.49	34.17	89.39	691.12	-302.65	1,247.62	1,185.64	61.98	20.129		
7,700.00	6,834.40	6,887.84	6,777.72	41.27	34.17	89.15	691.07	-302.61	1,343.74	1,281.68	62.06	21.654		
7,800.00	6,835.44	6,886.29	6,776.16	43.17	34.16	88.90	691.02	-302.58	1,440.39	1,378.26	62.13	23.185		
7,900.00	6,836.47	6,884.68	6,774.56	45.17	34.16	88.64	690.97	-302.54	1,537.46	1,475.27	62.19	24.722		
8,000.00	6,837.50	6,883.03	6,772.91	47.26	34.15	88.38	690.92	-302.50	1,634.88	1,572.63	62.25	26.263		
8,100.00	6,838.53	6,881.33	6,771.21	49.43	34.14	88.10	690.86	-302.46	1,732.60	1,670.29	62.31	27.807		
8,200.00	6,839.56	6,879.58	6,769.46	51.66	34.14	87.82	690.80	-302.41	1,830.56	1,768.20	62.36	29.354		
8,300.00	6,840.59	6,877.77	6,767.65	53.95	34.13	87.53	690.75	-302.37	1,928.73	1,866.32	62.41	30.903		
8,400.00	6,841.62	6,875.90	6,765.79	56.29	34.12	87.24	690.68	-302.32	2,027.08	1,964.62	62.46	32.454		
8,500.00	6,842.65	6,873.98	6,763.86	58.67	34.12	86.93	690.62	-302.28	2,125.58	2,063.07	62.51	34.005		
8,600.00	6,843.68	6,871.99	6,761.87	61.10	34.11	86.61	690.56	-302.22	2,224.21	2,161.66	62.55	35.558		
8,700.00	6,844.71	6,869.93	6,759.82	63.56	34.10	86.29	690.49	-302.17	2,322.96	2,260.36	62.59	37.112		
8,800.00	6,845.75	6,867.80	6,757.69	66.05	34.09	85.95	690.42	-302.12	2,421.81	2,359.17	62.64	38.665		
8,900.00	6,846.78	6,865.60	6,755.49	68.58	34.09	85.60	690.34	-302.06	2,520.75	2,458.07	62.68	40.219		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,847.81	6,863.32	6,753.21	71.12	34.08	85.24	690.27	-302.00	2,619.76	2,557.05	62.71	41.773		
9,100.00	6,848.84	6,860.96	6,750.85	73.69	34.07	84.86	690.19	-301.94	2,718.85	2,656.10	62.75	43.327		
9,200.00	6,849.87	6,858.51	6,748.41	76.28	34.06	84.48	690.11	-301.87	2,818.00	2,755.22	62.79	44.881		
9,300.00	6,850.90	6,855.97	6,745.87	78.89	34.05	84.08	690.02	-301.80	2,917.21	2,854.39	62.83	46.434		
9,400.00	6,851.93	6,853.33	6,743.24	81.51	34.04	83.66	689.93	-301.73	3,016.47	2,953.61	62.86	47.987		
9,500.00	6,852.96	6,851.49	6,741.39	84.15	34.03	83.37	689.87	-301.68	3,115.78	3,052.87	62.90	49.534		
9,600.00	6,853.99	6,849.76	6,739.67	86.80	34.03	83.10	689.81	-301.63	3,215.12	3,152.18	62.94	51.079		
9,700.00	6,855.03	6,848.04	6,737.95	89.46	34.02	82.83	689.76	-301.58	3,314.51	3,251.52	62.99	52.623		
9,800.00	6,856.06	6,846.32	6,736.23	92.14	34.02	82.56	689.70	-301.53	3,413.93	3,350.90	63.03	54.165		
9,900.00	6,857.09	6,844.61	6,734.52	94.83	34.01	82.29	689.64	-301.49	3,513.38	3,450.31	63.07	55.706		
10,000.00	6,858.12	6,842.90	6,732.81	97.52	34.00	82.03	689.59	-301.44	3,612.87	3,549.75	63.11	57.244		
10,100.00	6,859.15	6,841.19	6,731.11	100.23	34.00	81.76	689.53	-301.39	3,712.37	3,649.22	63.16	58.781		
10,200.00	6,860.18	6,839.49	6,729.40	102.94	33.99	81.50	689.48	-301.34	3,811.91	3,748.71	63.20	60.315		
10,300.00	6,861.21	6,837.79	6,727.70	105.66	33.98	81.23	689.42	-301.30	3,911.47	3,848.22	63.24	61.847		
10,400.00	6,862.24	6,836.09	6,726.01	108.39	33.98	80.97	689.36	-301.25	4,011.04	3,947.76	63.29	63.377		
10,500.00	6,863.27	6,834.39	6,724.31	111.12	33.97	80.71	689.31	-301.20	4,110.64	4,047.31	63.33	64.904		
10,600.00	6,864.30	6,832.70	6,722.62	113.86	33.97	80.45	689.26	-301.16	4,210.26	4,146.88	63.38	66.429		
10,700.00	6,865.34	6,831.01	6,720.94	116.60	33.96	80.19	689.20	-301.11	4,309.89	4,246.47	63.43	67.952		
10,800.00	6,866.37	6,829.33	6,719.25	119.35	33.95	79.93	689.15	-301.06	4,409.54	4,346.07	63.47	69.472		
10,900.00	6,867.40	6,827.65	6,717.57	122.11	33.95	79.67	689.09	-301.02	4,509.21	4,445.69	63.52	70.989		
11,000.00	6,868.43	6,825.97	6,715.90	124.87	33.94	79.41	689.04	-300.97	4,608.88	4,545.32	63.57	72.503		
11,100.00	6,869.46	6,824.29	6,714.22	127.63	33.94	79.16	688.99	-300.92	4,708.58	4,644.96	63.62	74.014		
11,200.00	6,870.49	6,822.62	6,712.55	130.40	33.93	78.90	688.93	-300.88	4,808.28	4,744.61	63.67	75.523		
11,300.00	6,871.52	6,820.95	6,710.88	133.17	33.92	78.65	688.88	-300.83	4,907.99	4,844.28	63.72	77.028		
11,400.00	6,872.55	6,819.28	6,709.22	135.94	33.92	78.39	688.83	-300.79	5,007.72	4,943.95	63.77	78.531		
11,500.00	6,873.58	6,817.62	6,707.56	138.72	33.91	78.14	688.78	-300.74	5,107.46	5,043.64	63.82	80.030		
11,600.00	6,874.62	6,815.96	6,705.90	141.50	33.91	77.89	688.73	-300.70	5,207.20	5,143.33	63.87	81.526		
11,700.00	6,875.65	6,814.30	6,704.24	144.28	33.90	77.64	688.67	-300.65	5,306.96	5,243.03	63.93	83.018		
11,800.00	6,876.68	6,812.65	6,702.59	147.07	33.89	77.39	688.62	-300.61	5,406.72	5,342.74	63.98	84.507		
11,900.00	6,877.71	6,811.00	6,700.94	149.85	33.89	77.14	688.57	-300.56	5,506.49	5,442.46	64.03	85.993		
12,000.00	6,878.74	6,809.35	6,699.29	152.65	33.88	76.89	688.52	-300.51	5,606.27	5,542.18	64.09	87.476		
12,100.00	6,879.77	6,807.71	6,697.65	155.44	33.88	76.65	688.47	-300.47	5,706.06	5,641.91	64.15	88.954		
12,200.00	6,880.80	6,806.06	6,696.01	158.23	33.87	76.40	688.42	-300.42	5,805.85	5,741.65	64.20	90.430		
12,300.00	6,881.83	6,804.43	6,694.37	161.03	33.86	76.16	688.37	-300.38	5,905.65	5,841.39	64.26	91.901		
12,400.00	6,882.86	6,802.79	6,692.74	163.83	33.86	75.92	688.32	-300.34	6,005.45	5,941.13	64.32	93.369		
12,500.00	6,883.89	6,801.16	6,691.11	166.63	33.85	75.67	688.27	-300.29	6,105.27	6,040.89	64.38	94.833		
12,600.00	6,884.93	6,799.53	6,689.48	169.43	33.85	75.43	688.22	-300.25	6,205.08	6,140.64	64.44	96.293		
12,700.00	6,885.96	6,797.90	6,687.86	172.24	33.84	75.19	688.18	-300.20	6,304.91	6,240.41	64.50	97.750		
12,800.00	6,886.99	6,796.28	6,686.23	175.04	33.83	74.95	688.13	-300.16	6,404.73	6,340.17	64.56	99.202		
12,900.00	6,888.02	6,794.66	6,684.61	177.85	33.83	74.72	688.08	-300.11	6,504.57	6,439.94	64.63	100.650		
13,000.00	6,889.05	6,793.04	6,683.00	180.66	33.82	74.48	688.03	-300.07	6,604.40	6,539.72	64.69	102.095		
13,100.00	6,890.08	6,791.43	6,681.39	183.47	33.82	74.24	687.98	-300.03	6,704.25	6,639.49	64.75	103.535		
13,200.00	6,891.11	6,789.82	6,679.78	186.28	33.81	74.01	687.94	-299.98	6,804.09	6,739.27	64.82	104.972		
13,300.00	6,892.14	6,788.21	6,678.17	189.10	33.80	73.77	687.89	-299.94	6,903.94	6,839.06	64.88	106.404		
13,400.00	6,893.17	6,786.60	6,676.56	191.91	33.80	73.54	687.84	-299.89	7,003.80	6,938.84	64.95	107.831		
13,500.00	6,894.21	6,785.00	6,674.96	194.73	33.79	73.31	687.80	-299.85	7,103.65	7,038.63	65.02	109.255		
13,600.00	6,895.24	6,783.40	6,673.36	197.54	33.79	73.08	687.75	-299.81	7,203.51	7,138.43	65.09	110.674		
13,700.00	6,896.27	6,781.80	6,671.77	200.36	33.78	72.85	687.70	-299.76	7,303.38	7,238.22	65.16	112.090		
13,800.00	6,897.30	6,780.21	6,670.18	203.18	33.78	72.62	687.66	-299.72	7,403.25	7,338.02	65.23	113.500		
13,900.00	6,898.33	6,778.62	6,668.59	206.00	33.77	72.39	687.61	-299.68	7,503.12	7,437.82	65.30	114.906		
14,000.00	6,899.36	6,777.03	6,667.00	208.82	33.76	72.17	687.57	-299.64	7,602.99	7,537.62	65.37	116.308		
14,100.00	6,900.39	6,775.45	6,665.42	211.64	33.76	71.94	687.52	-299.59	7,702.87	7,637.43	65.44	117.706		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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-MWDD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,901.42	6,773.86	6,663.84	214.46	33.75	71.72	687.48	-299.55	7,802.75	7,737.23	65.52	119.098		
14,300.00	6,902.45	6,772.29	6,662.26	217.28	33.75	71.49	687.43	-299.51	7,902.63	7,837.04	65.59	120.487		
14,400.00	6,903.48	6,770.71	6,660.68	220.11	33.74	71.27	687.39	-299.46	8,002.52	7,936.85	65.66	121.870		
14,500.00	6,904.52	6,769.14	6,659.11	222.93	33.74	71.05	687.35	-299.42	8,102.41	8,036.67	65.74	123.250		
14,600.00	6,905.55	6,767.57	6,657.54	225.76	33.73	70.83	687.30	-299.38	8,202.30	8,136.48	65.82	124.624		
14,700.00	6,906.58	6,766.00	6,655.98	228.58	33.72	70.61	687.26	-299.34	8,302.19	8,236.29	65.89	125.994		
14,800.00	6,907.61	6,764.43	6,654.41	231.41	33.72	70.39	687.21	-299.30	8,402.08	8,336.11	65.97	127.359		
14,900.00	6,908.64	6,762.87	6,652.85	234.24	33.71	70.17	687.17	-299.25	8,501.98	8,435.93	66.05	128.719		
15,000.00	6,909.67	6,762.00	6,651.98	237.06	33.71	70.05	687.15	-299.23	8,601.88	8,535.75	66.13	130.068		
15,100.00	6,910.70	6,762.00	6,651.98	239.89	33.71	70.05	687.15	-299.23	8,701.78	8,635.56	66.22	131.404		
15,200.00	6,911.73	6,762.00	6,651.98	242.72	33.71	70.05	687.15	-299.23	8,801.68	8,735.37	66.31	132.735		
15,300.00	6,912.76	6,762.00	6,651.98	245.55	33.71	70.05	687.15	-299.23	8,901.59	8,835.19	66.40	134.062		
15,400.00	6,913.80	6,762.00	6,651.98	248.38	33.71	70.05	687.15	-299.23	9,001.50	8,935.01	66.49	135.383		
15,500.00	6,914.83	6,755.60	6,645.59	251.21	33.69	69.17	686.97	-299.06	9,101.40	9,034.85	66.55	136.761		
15,600.00	6,915.86	6,754.45	6,644.44	254.04	33.68	69.01	686.94	-299.03	9,201.31	9,134.68	66.64	138.083		
15,700.00	6,916.89	6,753.31	6,643.30	256.88	33.68	68.86	686.91	-299.00	9,301.23	9,234.50	66.72	139.401		
15,800.00	6,917.92	6,752.17	6,642.16	259.71	33.67	68.70	686.88	-298.97	9,401.14	9,334.33	66.81	140.713		
15,900.00	6,918.95	6,751.05	6,641.04	262.54	33.67	68.55	686.85	-298.94	9,501.06	9,434.16	66.90	142.021		
16,000.00	6,919.98	6,749.93	6,639.92	265.37	33.67	68.40	686.82	-298.91	9,600.97	9,533.99	66.99	143.323		
16,100.00	6,921.01	6,748.82	6,638.81	268.21	33.66	68.25	686.80	-298.88	9,700.89	9,633.81	67.08	144.621		
16,200.00	6,922.04	6,747.71	6,637.70	271.04	33.66	68.10	686.77	-298.85	9,800.81	9,733.64	67.17	145.913		
16,300.00	6,923.08	6,746.61	6,636.61	273.88	33.65	67.95	686.74	-298.82	9,900.73	9,833.47	67.26	147.200		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-76.63	228.81	-962.88	990.50					
100.00	100.00	56.68	56.68	3.28	3.29	-76.63	228.91	-962.93	989.77	983.20	6.57	150.609 CC, ES		
200.00	200.00	149.11	149.11	3.34	3.34	-76.58	229.86	-963.39	990.49	983.81	6.68	148.361		
300.00	300.00	247.35	247.32	3.44	3.44	-76.48	231.79	-964.17	991.72	984.83	6.89	143.924		
400.00	399.98	331.99	331.92	3.60	3.58	-72.46	234.08	-965.37	993.22	986.03	7.18	138.242		
500.00	499.84	405.63	405.46	3.81	3.72	-72.50	236.95	-967.75	995.72	988.17	7.54	132.015		
600.00	599.45	481.15	480.73	4.06	3.89	-72.59	241.28	-971.98	999.87	991.90	7.97	125.483		
700.00	698.70	557.06	556.23	4.34	4.09	-72.76	246.80	-977.68	1,005.26	996.81	8.45	118.959		
775.00	772.83	614.00	612.72	4.57	4.26	-72.96	251.29	-983.20	1,010.33	1,001.49	8.84	114.251		
800.00	797.48	631.77	630.33	4.65	4.32	-73.07	252.73	-985.14	1,012.24	1,003.26	8.98	112.755		
900.00	896.11	712.69	710.39	4.97	4.59	-73.54	259.35	-994.85	1,021.06	1,011.51	9.56	106.826		
1,000.00	994.74	798.21	794.77	5.31	4.91	-74.02	267.03	-1,006.40	1,031.62	1,021.43	10.19	101.261		
1,100.00	1,093.37	887.98	883.22	5.68	5.27	-74.50	275.36	-1,019.26	1,043.15	1,032.29	10.86	96.075		
1,200.00	1,192.00	954.40	948.50	6.06	5.56	-74.90	280.86	-1,030.22	1,056.75	1,045.27	11.48	92.085		
1,300.00	1,290.63	1,016.57	1,009.27	6.45	5.86	-75.33	285.14	-1,042.62	1,073.63	1,061.55	12.09	88.833		
1,400.00	1,389.26	1,077.55	1,068.37	6.86	6.17	-75.71	290.16	-1,056.75	1,094.00	1,081.31	12.69	86.202		
1,500.00	1,487.88	1,145.41	1,133.62	7.27	6.55	-76.11	296.54	-1,074.28	1,117.32	1,103.99	13.33	83.829		
1,600.00	1,586.51	1,242.68	1,226.72	7.69	7.13	-76.64	305.99	-1,100.78	1,142.19	1,128.07	14.12	80.909		
1,700.00	1,685.14	1,321.31	1,301.88	8.11	7.64	-77.04	313.89	-1,122.49	1,167.56	1,152.73	14.83	78.738		
1,800.00	1,783.77	1,433.51	1,408.87	8.54	8.39	-77.46	327.92	-1,153.22	1,193.09	1,177.34	15.75	75.739		
1,900.00	1,882.40	1,504.95	1,476.78	8.97	8.89	-77.65	338.14	-1,172.89	1,219.04	1,202.59	16.46	74.080		
2,000.00	1,981.03	1,587.56	1,554.87	9.41	9.50	-77.85	350.49	-1,196.87	1,246.59	1,229.35	17.24	72.315		
2,100.00	2,079.66	1,702.00	1,662.91	9.84	10.37	-78.05	368.75	-1,229.86	1,274.13	1,255.87	18.25	69.796		
2,200.00	2,178.28	1,819.99	1,774.69	10.29	11.26	-78.17	389.03	-1,261.74	1,299.99	1,280.67	19.32	67.286		
2,300.00	2,276.91	1,927.26	1,876.58	10.73	12.06	-78.23	408.37	-1,289.11	1,324.46	1,304.13	20.33	65.163		
2,400.00	2,375.54	2,039.09	1,983.08	11.18	12.90	-78.31	428.02	-1,317.03	1,348.34	1,326.97	21.37	63.090		
2,500.00	2,474.17	2,114.96	2,055.34	11.62	13.47	-78.37	441.20	-1,335.98	1,372.22	1,350.05	22.17	61.906		
2,600.00	2,572.80	2,228.93	2,163.73	12.07	14.34	-78.46	460.90	-1,365.19	1,396.78	1,373.53	23.25	60.082		
2,700.00	2,671.43	2,311.58	2,242.58	12.52	14.96	-78.57	474.07	-1,386.18	1,420.87	1,396.77	24.09	58.970		
2,800.00	2,770.05	2,395.37	2,322.29	12.97	15.61	-78.68	487.60	-1,408.17	1,445.84	1,420.89	24.95	57.940		
2,900.00	2,868.68	2,494.18	2,416.02	13.43	16.39	-78.75	504.68	-1,434.37	1,471.23	1,445.29	25.94	56.713		
3,000.00	2,967.31	2,571.63	2,489.17	13.88	17.02	-78.76	519.31	-1,455.17	1,497.17	1,470.40	26.77	55.934		
3,100.00	3,065.94	2,657.09	2,569.24	14.34	17.74	-78.67	537.80	-1,478.62	1,524.06	1,496.39	27.67	55.075		
3,200.00	3,164.57	3,200.00	2,785.94	14.79	21.89	-78.30	591.30	-1,535.75	1,550.56	1,518.96	31.60	49.068		
3,300.00	3,263.20	3,132.30	3,023.84	15.25	21.13	-78.32	635.09	-1,571.25	1,563.03	1,531.40	31.63	49.415		
3,400.00	3,361.83	3,286.18	3,175.95	15.71	21.90	-78.67	652.52	-1,586.50	1,571.17	1,538.36	32.81	47.883		
3,500.00	3,460.45	3,448.87	3,337.87	16.17	22.58	-79.30	662.96	-1,597.99	1,576.15	1,542.22	33.93	46.450		
3,600.00	3,559.08	3,580.09	3,468.94	16.62	23.04	-79.96	666.79	-1,603.19	1,577.47	1,542.57	34.90	45.204		
3,700.00	3,657.71	3,704.54	3,593.35	17.08	23.42	-80.72	666.39	-1,605.56	1,576.43	1,540.62	35.81	44.022		
3,800.00	3,756.34	3,809.86	3,698.65	17.54	23.72	-81.40	665.12	-1,607.18	1,575.28	1,538.61	36.68	42.949		
3,900.00	3,854.97	3,910.00	3,798.78	18.00	24.00	-82.04	663.70	-1,608.33	1,573.93	1,536.39	37.54	41.929		
4,000.00	3,953.60	4,005.40	3,894.15	18.46	24.28	-82.68	661.98	-1,609.53	1,572.85	1,534.46	38.39	40.970		
4,052.06	4,004.95	4,044.30	3,933.04	18.70	24.39	-82.94	661.18	-1,610.22	1,572.64	1,533.82	38.82	40.514		
4,100.00	4,052.23	4,080.92	3,969.64	18.92	24.50	-83.19	660.41	-1,611.13	1,572.82	1,533.61	39.21	40.113		
4,200.00	4,150.85	4,200.66	4,089.33	19.39	24.87	-83.97	658.64	-1,614.07	1,573.45	1,533.33	40.12	39.217		
4,300.00	4,249.48	4,334.70	4,223.36	19.85	25.28	-84.75	659.26	-1,613.63	1,571.30	1,530.25	41.04	38.284		
4,400.00	4,348.11	4,433.15	4,321.80	20.31	25.59	-85.29	660.70	-1,612.73	1,568.95	1,527.03	41.91	37.432		
4,500.00	4,446.74	4,523.26	4,411.89	20.77	25.88	-85.78	662.13	-1,612.14	1,567.01	1,524.22	42.78	36.629		
4,600.00	4,545.37	4,626.85	4,515.47	21.23	26.22	-86.33	664.04	-1,611.70	1,565.43	1,521.76	43.67	35.845		
4,700.00	4,644.00	4,715.46	4,604.06	21.70	26.51	-86.81	665.61	-1,611.47	1,564.15	1,519.61	44.54	35.117		
4,800.00	4,742.63	4,841.79	4,730.38	22.16	26.90	-87.58	665.47	-1,609.82	1,561.90	1,516.45	45.45	34.365		
4,900.00	4,841.25	4,932.04	4,820.61	22.62	27.17	-88.16	664.69	-1,608.45	1,559.77	1,513.46	46.30	33.686		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,939.88	5,021.80	4,910.36	23.09	27.45	-88.71	664.40	-1,607.56	1,558.31	1,511.16	47.16	33.046		
5,100.00	5,038.51	5,111.82	5,000.38	23.55	27.74	-89.26	664.32	-1,607.22	1,557.65	1,509.63	48.02	32.440		
5,156.09	5,093.83	5,163.37	5,051.94	23.81	27.91	-89.57	664.37	-1,607.23	1,557.55	1,509.05	48.50	32.113		
5,200.00	5,137.14	5,201.76	5,090.32	24.02	28.04	-89.80	664.47	-1,607.35	1,557.64	1,508.76	48.89	31.863		
5,300.00	5,235.77	5,294.28	5,182.84	24.48	28.37	-90.35	664.92	-1,608.04	1,558.38	1,508.62	49.76	31.316		
5,400.00	5,334.40	5,384.27	5,272.82	24.94	28.68	-90.88	665.09	-1,608.95	1,559.58	1,508.95	50.63	30.801		
5,500.00	5,433.03	5,474.00	5,362.53	25.41	29.01	-91.40	665.64	-1,610.59	1,561.69	1,510.18	51.51	30.320		
5,600.00	5,531.65	5,581.57	5,470.06	25.87	29.42	-91.97	667.67	-1,612.77	1,564.04	1,511.61	52.44	29.828		
5,700.00	5,630.28	5,710.70	5,599.17	26.34	29.88	-92.69	669.34	-1,613.47	1,565.12	1,511.72	53.40	29.310		
5,778.95	5,708.15	5,798.56	5,687.02	26.71	30.16	-93.24	668.96	-1,612.64	1,565.09	1,510.99	54.11	28.927		
5,800.00	5,728.91	5,811.94	5,700.40	26.80	30.21	-93.32	668.90	-1,612.54	1,565.13	1,510.86	54.28	28.836		
5,900.00	5,827.54	5,897.43	5,785.89	27.27	30.49	-93.85	668.60	-1,612.30	1,565.93	1,510.80	55.13	28.407		
6,000.00	5,926.17	5,990.85	5,879.31	27.73	30.81	-94.42	668.41	-1,612.53	1,567.40	1,511.41	56.00	27.991		
6,100.00	6,024.80	6,082.66	5,971.12	28.20	31.14	-94.96	668.47	-1,613.12	1,569.41	1,512.54	56.87	27.597		
6,200.00	6,123.43	6,171.19	6,059.64	28.66	31.48	-95.47	669.05	-1,614.26	1,572.11	1,514.38	57.74	27.229		
6,272.77	6,195.20	6,234.60	6,123.03	29.00	31.72	-95.81	669.87	-1,615.56	1,574.64	1,516.28	58.36	26.979		
6,300.00	6,222.05	6,262.67	6,151.08	29.13	31.83	-110.52	670.36	-1,616.22	1,576.23	1,517.62	58.62	26.891		
6,350.00	6,271.23	6,314.07	6,202.46	29.36	32.03	-133.47	671.52	-1,617.42	1,582.10	1,523.03	59.07	26.784		
6,400.00	6,319.99	6,387.31	6,275.67	29.58	32.32	-148.88	672.93	-1,618.47	1,591.41	1,531.84	59.58	26.712 SF		
6,450.00	6,368.01	6,437.99	6,326.36	29.79	32.50	-158.67	673.25	-1,618.55	1,604.00	1,544.01	60.00	26.735		
6,500.00	6,415.02	6,480.42	6,368.79	29.99	32.65	-165.23	672.98	-1,618.60	1,620.41	1,560.03	60.38	26.838		
6,550.00	6,460.71	6,521.50	6,409.86	30.18	32.79	-169.94	672.38	-1,618.70	1,640.53	1,579.79	60.74	27.011		
6,600.00	6,504.81	6,561.03	6,449.39	30.36	32.93	-173.54	671.86	-1,618.92	1,664.24	1,603.16	61.07	27.249		
6,650.00	6,547.04	6,609.13	6,497.48	30.53	33.10	-176.50	671.28	-1,619.24	1,691.30	1,629.87	61.42	27.535		
6,700.00	6,587.14	6,667.67	6,556.01	30.69	33.30	-179.07	670.30	-1,619.06	1,721.13	1,659.35	61.78	27.858		
6,750.00	6,624.87	6,711.71	6,600.04	30.83	33.45	-178.60	669.41	-1,618.56	1,753.65	1,691.57	62.08	28.248		
6,800.00	6,660.00	6,752.07	6,640.39	30.96	33.58	-176.36	668.59	-1,617.98	1,788.84	1,726.49	62.35	28.690		
6,850.00	6,692.30	6,787.26	6,675.57	31.07	33.70	-174.07	667.93	-1,617.41	1,826.54	1,763.95	62.59	29.184		
6,900.00	6,721.58	6,818.58	6,706.88	31.23	33.81	-171.60	667.54	-1,616.91	1,866.55	1,803.76	62.79	29.725		
6,950.00	6,747.66	6,846.61	6,734.90	31.56	33.90	-168.76	667.34	-1,616.47	1,908.65	1,845.68	62.97	30.310		
7,000.00	6,770.37	6,868.09	6,756.39	31.92	33.98	-165.26	667.28	-1,616.16	1,952.61	1,889.50	63.11	30.940		
7,050.00	6,789.58	6,885.72	6,774.01	32.33	34.04	-160.67	667.25	-1,615.92	1,998.18	1,934.96	63.22	31.607		
7,100.00	6,805.17	6,900.05	6,788.34	32.78	34.09	-154.28	667.24	-1,615.75	2,045.08	1,981.78	63.30	32.307		
7,150.00	6,817.03	6,911.02	6,799.31	33.27	34.13	-144.80	667.24	-1,615.63	2,093.02	2,029.66	63.36	33.036		
7,200.00	6,825.11	6,918.59	6,806.88	33.80	34.15	-130.14	667.25	-1,615.55	2,141.69	2,078.30	63.39	33.788		
7,250.00	6,829.35	6,922.75	6,811.04	34.37	34.17	-108.49	667.25	-1,615.50	2,190.80	2,127.41	63.39	34.559		
7,273.12	6,830.00	6,923.52	6,811.81	34.65	34.17	-96.72	667.25	-1,615.50	2,213.58	2,150.19	63.39	34.921		
7,300.00	6,830.28	6,923.99	6,812.28	34.98	34.17	-96.79	667.25	-1,615.49	2,240.07	2,176.68	63.38	35.343		
7,400.00	6,831.31	6,925.73	6,814.02	36.32	34.18	-97.06	667.25	-1,615.48	2,338.69	2,275.33	63.36	36.912		
7,500.00	6,832.34	6,927.44	6,815.73	37.83	34.19	-97.31	667.26	-1,615.46	2,437.42	2,374.08	63.34	38.479		
7,600.00	6,833.37	6,929.14	6,817.43	39.49	34.19	-97.57	667.26	-1,615.44	2,536.26	2,472.92	63.34	40.045		
7,700.00	6,834.40	6,930.81	6,819.10	41.27	34.20	-97.82	667.26	-1,615.43	2,635.17	2,571.84	63.33	41.608		
7,800.00	6,835.44	6,932.46	6,820.75	43.17	34.20	-98.07	667.27	-1,615.41	2,734.17	2,670.84	63.33	43.170		
7,900.00	6,836.47	6,934.09	6,822.38	45.17	34.21	-98.31	667.27	-1,615.40	2,833.24	2,769.90	63.34	44.730		
8,000.00	6,837.50	6,935.70	6,823.99	47.26	34.21	-98.55	667.27	-1,615.38	2,932.36	2,869.01	63.35	46.288		
8,100.00	6,838.53	6,937.29	6,825.58	49.43	34.22	-98.79	667.28	-1,615.37	3,031.55	2,968.19	63.36	47.844		
8,200.00	6,839.56	6,938.86	6,827.15	51.66	34.23	-99.02	667.28	-1,615.36	3,130.78	3,067.41	63.38	49.398		
8,300.00	6,840.59	6,940.41	6,828.69	53.95	34.23	-99.25	667.28	-1,615.34	3,230.07	3,166.67	63.40	50.950		
8,400.00	6,841.62	6,942.00	6,830.29	56.29	34.24	-99.49	667.29	-1,615.33	3,329.39	3,265.97	63.42	52.499		
8,500.00	6,842.65	6,943.74	6,832.03	58.67	34.24	-99.74	667.29	-1,615.32	3,428.75	3,365.31	63.44	54.046		
8,600.00	6,843.68	6,945.55	6,833.84	61.10	34.25	-100.01	667.30	-1,615.30	3,528.15	3,464.68	63.47	55.590		
8,700.00	6,844.71	6,947.36	6,835.65	63.56	34.26	-100.28	667.30	-1,615.29	3,627.58	3,564.08	63.50	57.131		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,845.75	6,949.17	6,837.46	66.05	34.26	100.55	667.31	-1,615.27	3,727.04	3,663.51	63.53	58.669		
8,900.00	6,846.78	6,950.96	6,839.25	68.58	34.27	100.81	667.31	-1,615.26	3,826.52	3,762.97	63.56	60.206		
9,000.00	6,847.81	6,952.76	6,841.05	71.12	34.28	101.08	667.32	-1,615.24	3,926.04	3,862.44	63.59	61.739		
9,100.00	6,848.84	6,954.54	6,842.83	73.69	34.28	101.34	667.33	-1,615.23	4,025.57	3,961.95	63.63	63.270		
9,200.00	6,849.87	6,956.33	6,844.61	76.28	34.29	101.60	667.33	-1,615.21	4,125.13	4,061.47	63.66	64.797		
9,300.00	6,850.90	6,958.10	6,846.39	78.89	34.30	101.86	667.34	-1,615.20	4,224.70	4,161.00	63.70	66.322		
9,400.00	6,851.93	6,959.87	6,848.16	81.51	34.30	102.12	667.34	-1,615.18	4,324.30	4,260.56	63.74	67.845		
9,500.00	6,852.96	6,961.64	6,849.93	84.15	34.31	102.38	667.35	-1,615.17	4,423.91	4,360.13	63.78	69.364		
9,600.00	6,853.99	6,963.40	6,851.69	86.80	34.32	102.63	667.36	-1,615.15	4,523.54	4,459.72	63.82	70.880		
9,700.00	6,855.03	6,965.16	6,853.45	89.46	34.32	102.89	667.37	-1,615.14	4,623.19	4,559.32	63.86	72.392		
9,800.00	6,856.06	6,966.91	6,855.20	92.14	34.33	103.14	667.37	-1,615.13	4,722.85	4,658.94	63.91	73.902		
9,900.00	6,857.09	6,968.66	6,856.94	94.83	34.33	103.39	667.38	-1,615.11	4,822.52	4,758.57	63.95	75.409		
10,000.00	6,858.12	6,970.40	6,858.69	97.52	34.34	103.64	667.39	-1,615.10	4,922.20	4,858.21	64.00	76.912		
10,100.00	6,859.15	6,972.13	6,860.42	100.23	34.35	103.89	667.40	-1,615.09	5,021.90	4,957.86	64.05	78.412		
10,200.00	6,860.18	6,973.86	6,862.15	102.94	34.35	104.14	667.40	-1,615.07	5,121.61	5,057.52	64.09	79.908		
10,300.00	6,861.21	6,975.59	6,863.88	105.66	34.36	104.39	667.41	-1,615.06	5,221.33	5,157.19	64.14	81.401		
10,400.00	6,862.24	6,977.31	6,865.60	108.39	34.37	104.64	667.42	-1,615.04	5,321.06	5,256.86	64.19	82.890		
10,500.00	6,863.27	6,979.03	6,867.31	111.12	34.37	104.88	667.43	-1,615.03	5,420.80	5,356.55	64.25	84.376		
10,600.00	6,864.30	6,980.74	6,869.03	113.86	34.38	105.13	667.44	-1,615.02	5,520.54	5,456.24	64.30	85.858		
10,700.00	6,865.34	6,982.44	6,870.73	116.60	34.38	105.37	667.45	-1,615.00	5,620.30	5,555.95	64.35	87.337		
10,800.00	6,866.37	6,984.14	6,872.43	119.35	34.39	105.61	667.46	-1,614.99	5,720.06	5,655.66	64.41	88.812		
10,900.00	6,867.40	6,985.84	6,874.13	122.11	34.40	105.85	667.47	-1,614.98	5,819.83	5,755.37	64.46	90.283		
11,000.00	6,868.43	6,987.53	6,875.82	124.87	34.40	106.09	667.47	-1,614.97	5,919.61	5,855.09	64.52	91.750		
11,100.00	6,869.46	6,989.22	6,877.51	127.63	34.41	106.33	667.48	-1,614.95	6,019.40	5,954.82	64.58	93.213		
11,200.00	6,870.49	6,990.90	6,879.19	130.40	34.42	106.56	667.49	-1,614.94	6,119.19	6,054.55	64.64	94.672		
11,300.00	6,871.52	6,992.58	6,880.87	133.17	34.42	106.80	667.50	-1,614.93	6,218.99	6,154.29	64.70	96.128		
11,400.00	6,872.55	6,994.25	6,882.54	135.94	34.43	107.03	667.51	-1,614.91	6,318.79	6,254.03	64.76	97.579		
11,500.00	6,873.58	6,995.92	6,884.21	138.72	34.43	107.27	667.52	-1,614.90	6,418.60	6,353.78	64.82	99.026		
11,600.00	6,874.62	6,997.58	6,885.87	141.50	34.44	107.50	667.54	-1,614.89	6,518.41	6,453.53	64.88	100.469		
11,700.00	6,875.65	6,999.24	6,887.53	144.28	34.45	107.73	667.55	-1,614.88	6,618.23	6,553.29	64.94	101.908		
11,800.00	6,876.68	7,000.89	6,889.18	147.07	34.45	107.96	667.56	-1,614.87	6,718.06	6,653.05	65.01	103.342		
11,900.00	6,877.71	7,002.54	6,890.83	149.85	34.46	108.18	667.57	-1,614.85	6,817.89	6,752.82	65.07	104.773		
12,000.00	6,878.74	7,004.19	6,892.47	152.65	34.46	108.41	667.58	-1,614.84	6,917.72	6,852.58	65.14	106.199		
12,100.00	6,879.77	7,005.83	6,894.11	155.44	34.47	108.64	667.59	-1,614.83	7,017.56	6,952.36	65.21	107.620		
12,200.00	6,880.80	7,007.46	6,895.75	158.23	34.48	108.86	667.60	-1,614.82	7,117.40	7,052.13	65.27	109.038		
12,300.00	6,881.83	7,009.09	6,897.38	161.03	34.48	109.08	667.61	-1,614.80	7,217.25	7,151.91	65.34	110.450		
12,400.00	6,882.86	7,010.72	6,899.00	163.83	34.49	109.31	667.62	-1,614.79	7,317.10	7,251.69	65.41	111.859		
12,500.00	6,883.89	7,012.34	6,900.62	166.63	34.49	109.53	667.64	-1,614.78	7,416.96	7,351.47	65.48	113.262		
12,600.00	6,884.93	7,013.95	6,902.24	169.43	34.50	109.75	667.65	-1,614.77	7,516.81	7,451.26	65.56	114.662		
12,700.00	6,885.96	7,015.57	6,903.85	172.24	34.51	109.96	667.66	-1,614.76	7,616.67	7,551.04	65.63	116.056		
12,800.00	6,886.99	7,017.17	6,905.46	175.04	34.51	110.18	667.67	-1,614.75	7,716.54	7,650.84	65.70	117.447		
12,900.00	6,888.02	7,018.78	6,907.06	177.85	34.52	110.40	667.69	-1,614.73	7,816.41	7,750.63	65.78	118.832		
13,000.00	6,889.05	7,020.38	6,908.66	180.66	34.52	110.61	667.70	-1,614.72	7,916.28	7,850.42	65.85	120.213		
13,100.00	6,890.08	7,021.97	6,910.26	183.47	34.53	110.83	667.71	-1,614.71	8,016.15	7,950.22	65.93	121.589		
13,200.00	6,891.11	7,023.56	6,911.85	186.28	34.54	111.04	667.72	-1,614.70	8,116.02	8,050.02	66.01	122.960		
13,300.00	6,892.14	7,025.15	6,913.43	189.10	34.54	111.25	667.74	-1,614.69	8,215.90	8,149.82	66.08	124.327		
13,400.00	6,893.17	7,026.73	6,915.01	191.91	34.55	111.46	667.75	-1,614.68	8,315.78	8,249.62	66.16	125.688		
13,500.00	6,894.21	7,028.30	6,916.59	194.73	34.55	111.67	667.76	-1,614.67	8,415.67	8,349.43	66.24	127.045		
13,600.00	6,895.24	7,029.88	6,918.16	197.54	34.56	111.88	667.78	-1,614.66	8,515.55	8,449.23	66.32	128.397		
13,700.00	6,896.27	7,031.44	6,919.73	200.36	34.56	112.08	667.79	-1,614.65	8,615.44	8,549.04	66.40	129.744		
13,800.00	6,897.30	7,033.01	6,921.29	203.18	34.57	112.29	667.80	-1,614.63	8,715.33	8,648.85	66.49	131.087		
13,900.00	6,898.33	7,034.57	6,922.85	206.00	34.58	112.49	667.82	-1,614.62	8,815.23	8,748.66	66.57	132.424		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
14,000.00	6,899.36	7,036.12	6,924.41	208.82	34.58	112.69	667.83	-1,614.61	8,915.12	8,848.47	66.65	133.756	
14,100.00	6,900.39	7,037.67	6,925.96	211.64	34.59	112.90	667.85	-1,614.60	9,015.02	8,948.28	66.74	135.084	
14,200.00	6,901.42	7,039.22	6,927.50	214.46	34.59	113.10	667.86	-1,614.59	9,114.92	9,048.09	66.82	136.406	
14,300.00	6,902.45	7,040.76	6,929.05	217.28	34.60	113.30	667.87	-1,614.58	9,214.82	9,147.91	66.91	137.724	
14,400.00	6,903.48	7,042.30	6,930.59	220.11	34.60	113.50	667.89	-1,614.57	9,314.72	9,247.72	67.00	139.036	
14,500.00	6,904.52	7,043.83	6,932.12	222.93	34.61	113.69	667.90	-1,614.56	9,414.62	9,347.54	67.08	140.343	
14,600.00	6,905.55	7,045.36	6,933.65	225.76	34.62	113.89	667.92	-1,614.55	9,514.53	9,447.36	67.17	141.646	
14,700.00	6,906.58	7,046.89	6,935.17	228.58	34.62	114.09	667.93	-1,614.54	9,614.44	9,547.18	67.26	142.943	
14,800.00	6,907.61	7,048.41	6,936.70	231.41	34.63	114.28	667.95	-1,614.53	9,714.35	9,647.00	67.35	144.235	
14,900.00	6,908.64	7,049.93	6,938.21	234.24	34.63	114.47	667.96	-1,614.52	9,814.26	9,746.82	67.44	145.522	
15,000.00	6,909.67	7,051.44	6,939.73	237.06	34.64	114.67	667.98	-1,614.51	9,914.17	9,846.64	67.53	146.803	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-78.29	197.84	-954.26	975.29					
100.00	100.00	57.14	57.14	3.28	3.29	-78.29	197.86	-954.36	974.66	968.09	6.57	148.304	CC, ES	
200.00	200.00	146.57	146.56	3.34	3.34	-78.29	198.03	-955.27	975.70	969.03	6.68	146.160		
300.00	300.00	250.16	250.15	3.44	3.45	-78.28	198.43	-956.78	977.21	970.32	6.89	141.743		
400.00	399.98	339.71	339.68	3.60	3.59	-74.40	198.54	-958.34	978.47	971.28	7.20	135.982		
500.00	499.84	438.73	438.65	3.81	3.79	-74.77	197.32	-960.95	979.43	971.83	7.59	128.987		
600.00	599.45	536.89	536.68	4.06	4.02	-75.52	193.33	-964.04	979.52	971.46	8.06	121.458		
609.10	608.50	544.47	544.25	4.08	4.04	-75.59	192.88	-964.32	979.52	971.41	8.11	120.804		
700.00	698.70	619.73	619.21	4.34	4.25	-76.45	187.48	-967.89	979.95	971.38	8.57	114.383		
775.00	772.83	682.16	681.29	4.57	4.44	-77.31	182.09	-971.78	981.00	972.02	8.98	109.203		
800.00	797.48	702.84	701.84	4.65	4.50	-77.62	180.22	-973.22	981.53	972.41	9.13	107.540		
900.00	896.11	795.29	793.57	4.97	4.82	-79.07	171.06	-980.14	984.44	974.68	9.77	100.812		
1,000.00	994.74	887.09	884.56	5.31	5.16	-80.53	161.33	-987.47	988.51	978.06	10.44	94.646		
1,100.00	1,093.37	974.17	970.71	5.68	5.51	-81.95	151.19	-995.03	993.96	982.81	11.14	89.192		
1,200.00	1,192.00	1,043.30	1,038.82	6.06	5.81	-83.15	141.79	-1,002.24	1,001.86	990.06	11.80	84.868		
1,300.00	1,290.63	1,115.37	1,109.39	6.45	6.14	-84.47	130.63	-1,011.67	1,013.16	1,000.67	12.49	81.091		
1,400.00	1,389.26	1,194.48	1,186.50	6.86	6.54	-85.94	117.42	-1,023.43	1,027.19	1,013.96	13.23	77.649		
1,500.00	1,487.88	1,276.15	1,265.78	7.27	6.98	-87.48	102.66	-1,036.33	1,043.25	1,029.26	13.99	74.575		
1,600.00	1,586.51	1,353.59	1,340.58	7.69	7.42	-88.96	87.54	-1,049.50	1,061.63	1,046.90	14.74	72.042		
1,700.00	1,685.14	1,433.25	1,417.21	8.11	7.89	-90.47	71.35	-1,064.01	1,082.31	1,066.81	15.50	69.824		
1,800.00	1,783.77	1,522.84	1,503.12	8.54	8.46	-92.16	52.18	-1,080.67	1,104.58	1,088.24	16.33	67.626		
1,900.00	1,882.40	1,611.72	1,588.01	8.97	9.04	-93.86	31.63	-1,097.14	1,128.18	1,111.00	17.17	65.701		
2,000.00	1,981.03	1,716.79	1,688.53	9.41	9.75	-95.80	7.29	-1,115.62	1,151.96	1,133.83	18.13	63.547		
2,100.00	2,079.66	1,792.45	1,760.74	9.84	10.27	-97.19	-11.09	-1,128.77	1,176.95	1,158.07	18.88	62.352		
2,200.00	2,178.28	1,850.84	1,816.03	10.29	10.69	-98.26	-26.20	-1,139.90	1,204.86	1,185.37	19.49	61.833		
2,300.00	2,276.91	1,932.47	1,892.92	10.73	11.30	-99.71	-47.67	-1,156.95	1,235.46	1,215.20	20.27	60.958		
2,400.00	2,375.54	2,034.94	1,989.85	11.18	12.07	-101.37	-73.03	-1,178.44	1,266.59	1,245.37	21.22	59.701		
2,500.00	2,474.17	2,124.88	2,075.16	11.62	12.74	-102.75	-94.74	-1,196.87	1,297.87	1,275.82	22.05	58.849		
2,600.00	2,572.80	2,219.29	2,164.74	12.07	13.45	-104.13	-117.44	-1,216.18	1,329.80	1,306.87	22.93	57.997		
2,700.00	2,671.43	2,327.92	2,268.05	12.52	14.27	-105.65	-143.42	-1,237.47	1,361.62	1,337.70	23.92	56.921		
2,800.00	2,770.05	2,391.05	2,328.08	12.97	14.74	-106.47	-157.97	-1,250.50	1,394.50	1,369.98	24.52	56.870		
2,900.00	2,868.68	2,494.78	2,426.67	13.43	15.53	-107.74	-181.60	-1,272.43	1,428.34	1,402.87	25.47	56.086		
3,000.00	2,967.31	2,584.86	2,512.36	13.88	16.21	-108.82	-202.55	-1,290.66	1,462.10	1,435.81	26.30	55.601		
3,100.00	3,065.94	2,644.14	2,568.60	14.34	16.68	-109.49	-216.33	-1,303.39	1,497.33	1,470.49	26.85	55.771		
3,200.00	3,164.57	2,715.19	2,635.67	14.79	17.24	-110.26	-233.01	-1,319.84	1,534.49	1,506.99	27.50	55.796		
3,300.00	3,263.20	2,877.56	2,789.37	15.25	18.52	-112.04	-272.91	-1,353.59	1,570.88	1,541.89	28.99	54.183		
3,400.00	3,361.83	2,969.30	2,876.87	15.71	19.22	-113.02	-295.10	-1,369.98	1,604.93	1,575.10	29.84	53.788		
3,500.00	3,460.45	3,069.73	2,972.44	16.17	19.98	-114.10	-320.56	-1,387.34	1,639.58	1,608.82	30.76	53.300		
3,600.00	3,559.08	3,195.24	3,092.66	16.62	20.90	-115.33	-350.08	-1,408.04	1,673.03	1,641.14	31.89	52.458		
3,700.00	3,657.71	3,253.75	3,148.88	17.08	21.33	-115.83	-362.31	-1,418.63	1,706.78	1,674.34	32.44	52.606		
3,800.00	3,756.34	3,380.70	3,270.60	17.54	22.27	-116.85	-389.36	-1,442.44	1,741.79	1,708.21	33.58	51.863		
3,900.00	3,854.97	3,506.33	3,391.63	18.00	23.15	-117.98	-418.02	-1,460.00	1,773.79	1,739.09	34.70	51.111		
4,000.00	3,953.60	3,585.92	3,468.21	18.46	23.71	-118.72	-437.39	-1,469.85	1,805.93	1,770.48	35.45	50.948		
4,100.00	4,052.23	3,642.00	3,522.08	18.92	24.11	-119.22	-450.95	-1,477.46	1,839.40	1,803.41	35.98	51.116		
4,200.00	4,150.85	3,700.32	3,577.88	19.39	24.55	-119.71	-465.31	-1,486.46	1,874.82	1,838.29	36.53	51.319		
4,300.00	4,249.48	3,751.92	3,626.91	19.85	24.95	-120.13	-478.65	-1,495.51	1,912.58	1,875.58	37.01	51.681		
4,400.00	4,348.11	3,811.98	3,683.63	20.31	25.43	-120.62	-494.96	-1,506.60	1,952.12	1,914.57	37.56	51.980		
4,500.00	4,446.74	3,887.47	3,754.62	20.77	26.05	-121.23	-516.24	-1,520.96	1,992.95	1,954.69	38.26	52.095		
4,600.00	4,545.37	3,976.11	3,837.87	21.23	26.79	-121.92	-541.53	-1,537.90	2,034.32	1,995.23	39.09	52.040		
4,700.00	4,644.00	4,201.09	4,051.66	21.70	28.55	-123.42	-597.65	-1,579.17	2,073.60	2,032.39	41.21	50.318		
4,800.00	4,742.63	4,266.00	4,114.14	22.16	29.02	-123.71	-609.44	-1,592.27	2,109.81	2,068.00	41.81	50.457		
4,900.00	4,841.25	4,330.47	4,175.95	22.62	29.49	-123.97	-621.24	-1,606.26	2,147.30	2,104.89	42.41	50.632		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,939.88	4,452.46	4,292.67	23.09	30.41	-124.52	-645.92	-1,631.69	2,185.56	2,142.03	43.54	50.202		
5,100.00	5,038.51	4,577.94	4,413.30	23.55	31.32	-125.12	-671.37	-1,655.12	2,222.35	2,177.67	44.68	49.736		
5,200.00	5,137.14	4,687.03	4,715.54	24.02	33.22	-126.55	-721.29	-1,694.68	2,249.25	2,202.10	47.15	47.705		
5,300.00	5,235.77	5,030.48	4,857.08	24.48	34.00	-127.12	-738.99	-1,709.95	2,275.43	2,227.13	48.29	47.116		
5,400.00	5,334.40	5,281.25	5,106.12	24.94	35.17	-128.09	-761.82	-1,727.61	2,296.50	2,246.57	49.93	45.995		
5,500.00	5,433.03	5,450.55	5,274.89	25.41	35.86	-128.75	-773.58	-1,733.66	2,314.65	2,263.59	51.05	45.339		
5,600.00	5,531.65	5,630.30	5,454.52	25.87	36.46	-129.42	-779.71	-1,734.80	2,327.47	2,275.33	52.13	44.646		
5,700.00	5,630.28	5,715.13	5,539.31	26.34	36.73	-129.73	-782.17	-1,734.92	2,340.16	2,287.25	52.92	44.223		
5,800.00	5,728.91	5,896.78	5,720.93	26.80	37.27	-130.30	-783.48	-1,735.43	2,351.75	2,297.82	53.93	43.610		
5,900.00	5,827.54	5,985.61	5,809.74	27.27	37.50	-130.54	-781.65	-1,735.96	2,361.50	2,306.80	54.70	43.172		
6,000.00	5,926.17	6,082.44	5,906.54	27.73	37.76	-130.78	-779.56	-1,736.96	2,371.54	2,316.05	55.49	42.735		
6,100.00	6,024.80	6,177.87	6,001.94	28.20	38.02	-131.01	-777.45	-1,738.06	2,381.67	2,325.38	56.29	42.311		
6,200.00	6,123.43	6,268.84	6,092.87	28.66	38.27	-131.22	-775.26	-1,739.70	2,392.16	2,335.08	57.08	41.908		
6,272.77	6,195.20	6,341.62	6,165.62	29.00	38.48	-131.39	-773.59	-1,741.13	2,399.96	2,342.28	57.67	41.613		
6,300.00	6,222.05	6,373.26	6,197.24	29.13	38.57	-146.20	-772.81	-1,741.73	2,403.24	2,345.33	57.91	41.502		
6,350.00	6,271.23	6,423.28	6,247.23	29.36	38.71	-169.39	-771.46	-1,742.65	2,411.27	2,352.96	58.31	41.351		
6,400.00	6,319.99	6,464.48	6,288.41	29.58	38.83	174.96	-770.42	-1,743.47	2,422.09	2,363.40	58.70	41.265		
6,450.00	6,368.01	6,505.28	6,329.19	29.79	38.95	164.75	-769.49	-1,744.36	2,435.68	2,376.60	59.07	41.230 SF		
6,500.00	6,415.02	6,545.86	6,369.76	29.99	39.07	157.67	-768.67	-1,745.30	2,451.93	2,392.48	59.45	41.243		
6,550.00	6,460.71	6,585.43	6,409.31	30.18	39.19	152.34	-767.97	-1,746.25	2,470.76	2,410.94	59.82	41.305		
6,600.00	6,504.81	6,627.85	6,451.71	30.36	39.32	148.03	-767.27	-1,747.30	2,492.02	2,431.83	60.19	41.404		
6,650.00	6,547.04	6,668.35	6,492.19	30.53	39.45	144.28	-766.62	-1,748.31	2,515.58	2,455.03	60.55	41.547		
6,700.00	6,587.14	6,711.79	6,535.61	30.69	39.58	140.89	-765.89	-1,749.40	2,541.29	2,480.38	60.91	41.723		
6,750.00	6,624.87	6,753.39	6,577.18	30.83	39.71	137.63	-765.08	-1,750.45	2,568.98	2,507.73	61.26	41.937		
6,800.00	6,660.00	6,794.40	6,618.17	30.96	39.84	134.41	-764.14	-1,751.50	2,598.55	2,536.95	61.60	42.184		
6,850.00	6,692.30	6,832.58	6,656.33	31.07	39.95	131.10	-763.09	-1,752.50	2,629.84	2,567.91	61.93	42.465		
6,900.00	6,721.58	6,866.98	6,690.69	31.23	40.06	127.60	-762.00	-1,753.42	2,662.74	2,600.50	62.24	42.780		
6,950.00	6,747.66	6,888.59	6,712.29	31.56	40.12	123.65	-761.31	-1,754.03	2,697.17	2,634.65	62.51	43.145		
7,000.00	6,770.37	6,909.56	6,733.23	31.92	40.18	119.41	-760.61	-1,754.62	2,732.94	2,670.16	62.78	43.531		
7,050.00	6,789.58	6,927.00	6,750.66	32.33	40.24	114.81	-760.03	-1,755.13	2,769.88	2,706.84	63.04	43.942		
7,100.00	6,805.17	6,940.83	6,764.47	32.78	40.28	109.84	-759.56	-1,755.54	2,807.78	2,744.50	63.28	44.373		
7,150.00	6,817.03	6,953.91	6,777.55	33.27	40.32	104.61	-759.11	-1,755.93	2,846.43	2,782.91	63.51	44.816		
7,200.00	6,825.11	6,962.81	6,786.43	33.80	40.34	99.10	-758.80	-1,756.18	2,885.60	2,821.86	63.74	45.273		
7,250.00	6,829.35	6,966.61	6,790.23	34.37	40.35	93.38	-758.67	-1,756.29	2,925.07	2,861.13	63.94	45.745		
7,273.12	6,830.00	6,966.61	6,790.23	34.65	40.35	90.71	-758.67	-1,756.29	2,943.36	2,879.33	64.03	45.967		
7,300.00	6,830.28	6,965.97	6,789.59	34.98	40.35	90.69	-758.69	-1,756.27	2,964.66	2,900.53	64.13	46.226		
7,400.00	6,831.31	6,963.54	6,787.16	36.32	40.34	90.61	-758.77	-1,756.21	3,044.69	2,980.15	64.55	47.170		
7,500.00	6,832.34	6,961.06	6,784.69	37.83	40.34	90.53	-758.86	-1,756.13	3,125.88	3,060.88	65.00	48.092		
7,600.00	6,833.37	6,958.54	6,782.17	39.49	40.33	90.45	-758.95	-1,756.06	3,208.12	3,142.64	65.48	48.997		
7,700.00	6,834.40	6,955.97	6,779.60	41.27	40.32	90.37	-759.04	-1,755.99	3,291.35	3,225.37	65.97	49.889		
7,800.00	6,835.44	6,953.35	6,776.98	43.17	40.31	90.29	-759.13	-1,755.91	3,375.48	3,309.00	66.48	50.772		
7,900.00	6,836.47	6,950.68	6,774.31	45.17	40.31	90.20	-759.22	-1,755.83	3,460.46	3,393.46	67.00	51.648		
8,000.00	6,837.50	6,947.95	6,771.59	47.26	40.30	90.11	-759.32	-1,755.75	3,546.22	3,478.70	67.52	52.520		
8,100.00	6,838.53	6,945.17	6,768.81	49.43	40.29	90.03	-759.41	-1,755.67	3,632.71	3,564.66	68.04	53.389		
8,200.00	6,839.56	6,942.57	6,766.22	51.66	40.28	89.94	-759.50	-1,755.59	3,719.87	3,651.31	68.56	54.257		
8,300.00	6,840.59	6,940.75	6,764.40	53.95	40.28	89.89	-759.56	-1,755.54	3,807.66	3,738.59	69.08	55.123		
8,400.00	6,841.62	6,938.95	6,762.60	56.29	40.27	89.83	-759.62	-1,755.48	3,896.04	3,826.46	69.58	55.990		
8,500.00	6,842.65	6,937.15	6,760.80	58.67	40.27	89.77	-759.68	-1,755.43	3,984.97	3,914.89	70.09	56.859		
8,600.00	6,843.68	6,935.37	6,759.02	61.10	40.26	89.71	-759.75	-1,755.38	4,074.41	4,003.84	70.58	57.730		
8,700.00	6,844.71	6,933.60	6,757.25	63.56	40.25	89.66	-759.81	-1,755.32	4,164.33	4,093.28	71.06	58.605		
8,800.00	6,845.75	6,931.84	6,755.49	66.05	40.25	89.60	-759.86	-1,755.27	4,254.70	4,183.17	71.53	59.482		
8,900.00	6,846.78	6,930.09	6,753.74	68.58	40.24	89.55	-759.92	-1,755.22	4,345.49	4,273.51	71.99	60.363		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,847.81	6,928.35	6,752.00	71.12	40.24	89.49	-759.98	-1,755.17	4,436.68	4,364.24	72.44	61.248		
9,100.00	6,848.84	6,926.62	6,750.28	73.69	40.23	89.44	-760.04	-1,755.12	4,528.24	4,455.36	72.88	62.136		
9,200.00	6,849.87	6,924.90	6,748.56	76.28	40.23	89.38	-760.10	-1,755.07	4,620.15	4,546.84	73.30	63.028		
9,300.00	6,850.90	6,923.19	6,746.85	78.89	40.22	89.33	-760.16	-1,755.02	4,712.38	4,638.66	73.72	63.923		
9,400.00	6,851.93	6,921.49	6,745.16	81.51	40.22	89.27	-760.21	-1,754.97	4,804.93	4,730.80	74.12	64.822		
9,500.00	6,852.96	6,919.80	6,743.47	84.15	40.21	89.22	-760.27	-1,754.92	4,897.77	4,823.25	74.52	65.724		
9,600.00	6,853.99	6,918.12	6,741.79	86.80	40.21	89.17	-760.33	-1,754.87	4,990.88	4,915.98	74.90	66.630		
9,700.00	6,855.03	6,916.46	6,740.13	89.46	40.20	89.11	-760.38	-1,754.82	5,084.26	5,008.98	75.28	67.539		
9,800.00	6,856.06	6,914.80	6,738.47	92.14	40.20	89.06	-760.44	-1,754.77	5,177.88	5,102.24	75.64	68.451		
9,900.00	6,857.09	6,913.15	6,736.82	94.83	40.19	89.01	-760.49	-1,754.73	5,271.74	5,195.74	76.00	69.366		
10,000.00	6,858.12	6,911.51	6,735.19	97.52	40.19	88.96	-760.55	-1,754.68	5,365.81	5,289.47	76.34	70.284		
10,100.00	6,859.15	6,909.88	6,733.56	100.23	40.18	88.91	-760.60	-1,754.63	5,460.10	5,383.42	76.68	71.205		
10,200.00	6,860.18	6,908.26	6,731.94	102.94	40.18	88.85	-760.66	-1,754.59	5,554.59	5,477.58	77.01	72.128		
10,300.00	6,861.21	6,906.66	6,730.34	105.66	40.17	88.80	-760.71	-1,754.54	5,649.26	5,571.93	77.33	73.053		
10,400.00	6,862.24	6,905.06	6,728.74	108.39	40.17	88.75	-760.76	-1,754.49	5,744.12	5,666.48	77.64	73.981		
10,500.00	6,863.27	6,903.46	6,727.15	111.12	40.16	88.70	-760.82	-1,754.45	5,839.15	5,761.20	77.95	74.911		
10,600.00	6,864.30	6,901.88	6,725.57	113.86	40.16	88.65	-760.87	-1,754.40	5,934.34	5,856.09	78.24	75.843		
10,700.00	6,865.34	6,900.31	6,724.00	116.60	40.16	88.60	-760.92	-1,754.36	6,029.68	5,951.15	78.53	76.777		
10,800.00	6,866.37	6,898.75	6,722.44	119.35	40.15	88.55	-760.97	-1,754.31	6,125.17	6,046.36	78.82	77.713		
10,900.00	6,867.40	6,897.19	6,720.88	122.11	40.15	88.50	-761.02	-1,754.27	6,220.81	6,141.71	79.09	78.650		
11,000.00	6,868.43	6,895.65	6,719.34	124.87	40.14	88.45	-761.07	-1,754.22	6,316.58	6,237.21	79.36	79.589		
11,100.00	6,869.46	6,894.11	6,717.81	127.63	40.14	88.41	-761.13	-1,754.18	6,412.47	6,332.85	79.63	80.529		
11,200.00	6,870.49	6,892.59	6,716.28	130.40	40.13	88.36	-761.18	-1,754.14	6,508.50	6,428.61	79.89	81.471		
11,300.00	6,871.52	6,891.07	6,714.76	133.17	40.13	88.31	-761.23	-1,754.10	6,604.63	6,524.49	80.14	82.414		
11,400.00	6,872.55	6,889.56	6,713.25	135.94	40.12	88.26	-761.28	-1,754.05	6,700.89	6,620.50	80.39	83.358		
11,500.00	6,873.58	6,888.06	6,711.75	138.72	40.12	88.21	-761.32	-1,754.01	6,797.24	6,716.62	80.63	84.303		
11,600.00	6,874.62	6,886.56	6,710.26	141.50	40.11	88.17	-761.37	-1,753.97	6,893.71	6,812.84	80.87	85.248		
11,700.00	6,875.65	6,885.08	6,708.78	144.28	40.11	88.12	-761.42	-1,753.93	6,990.27	6,909.17	81.10	86.195		
11,800.00	6,876.68	6,883.60	6,707.30	147.07	40.11	88.07	-761.47	-1,753.89	7,086.93	7,005.60	81.33	87.142		
11,900.00	6,877.71	6,882.13	6,705.84	149.85	40.10	88.03	-761.52	-1,753.84	7,183.67	7,102.12	81.55	88.090		
12,000.00	6,878.74	6,880.67	6,704.38	152.65	40.10	87.98	-761.57	-1,753.80	7,280.51	7,198.74	81.77	89.038		
12,100.00	6,879.77	6,879.22	6,702.93	155.44	40.09	87.93	-761.61	-1,753.76	7,377.43	7,295.44	81.98	89.987		
12,200.00	6,880.80	6,877.78	6,701.49	158.23	40.09	87.89	-761.66	-1,753.72	7,474.43	7,392.23	82.19	90.936		
12,300.00	6,881.83	6,876.34	6,700.05	161.03	40.08	87.84	-761.71	-1,753.68	7,571.51	7,489.10	82.40	91.885		
12,400.00	6,882.86	6,874.92	6,698.63	163.83	40.08	87.80	-761.75	-1,753.64	7,668.66	7,586.05	82.61	92.835		
12,500.00	6,883.89	6,873.50	6,697.21	166.63	40.07	87.75	-761.80	-1,753.61	7,765.88	7,683.08	82.81	93.785		
12,600.00	6,884.93	6,872.09	6,695.80	169.43	40.07	87.71	-761.85	-1,753.57	7,863.18	7,780.17	83.00	94.735		
12,700.00	6,885.96	6,870.68	6,694.40	172.24	40.07	87.66	-761.89	-1,753.53	7,960.54	7,877.34	83.20	95.685		
12,800.00	6,886.99	6,869.29	6,693.00	175.04	40.06	87.62	-761.94	-1,753.49	8,057.96	7,974.58	83.39	96.635		
12,900.00	6,888.02	6,867.90	6,691.61	177.85	40.06	87.58	-761.98	-1,753.45	8,155.45	8,071.88	83.57	97.584		
13,000.00	6,889.05	6,866.52	6,690.23	180.66	40.05	87.53	-762.03	-1,753.41	8,253.00	8,169.24	83.76	98.534		
13,100.00	6,890.08	6,865.14	6,688.86	183.47	40.05	87.49	-762.07	-1,753.38	8,350.60	8,266.66	83.94	99.483		
13,200.00	6,891.11	6,863.78	6,687.50	186.28	40.05	87.44	-762.12	-1,753.34	8,448.26	8,364.14	84.12	100.432		
13,300.00	6,892.14	6,862.42	6,686.14	189.10	40.05	87.40	-762.16	-1,753.30	8,545.97	8,461.67	84.31	101.389		
13,400.00	6,893.17	6,861.06	6,684.78	191.91	40.05	87.36	-762.20	-1,753.26	8,643.74	8,559.26	84.48	102.349		
13,500.00	6,894.21	6,859.70	6,683.42	194.73	40.04	87.32	-762.24	-1,753.22	8,741.56	8,656.91	84.65	103.298		
13,600.00	6,895.24	6,858.34	6,682.06	197.54	40.04	87.28	-762.28	-1,753.18	8,839.42	8,754.60	84.82	104.247		
13,700.00	6,896.27	6,856.98	6,680.70	200.36	40.03	87.24	-762.32	-1,753.14	8,937.33	8,852.35	84.98	105.196		
13,800.00	6,897.30	6,855.62	6,679.34	203.18	40.02	87.20	-762.36	-1,753.10	9,035.29	8,950.15	85.15	106.144		
13,900.00	6,898.33	6,854.26	6,677.98	206.00	40.02	87.16	-762.40	-1,753.06	9,133.29	9,047.98	85.31	107.091		
14,000.00	6,899.36	6,852.90	6,676.62	208.82	40.01	87.12	-762.44	-1,753.02	9,231.34	9,145.87	85.47	108.037		
14,100.00	6,900.39	6,851.54	6,675.26	211.64	40.01	87.08	-762.48	-1,752.98	9,329.42	9,243.80	85.63	108.983		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #5-5 - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
14,200.00	6,901.42	6,849.66	6,673.40	214.46	40.00	87.00	-762.57	-1,752.96	9,427.55	9,341.77	85.78	109.898	
14,300.00	6,902.45	6,847.93	6,671.67	217.28	40.00	86.94	-762.62	-1,752.91	9,525.71	9,439.77	85.94	110.843	
14,400.00	6,903.48	6,846.20	6,669.94	220.11	39.99	86.89	-762.68	-1,752.86	9,623.92	9,537.82	86.09	111.786	
14,500.00	6,904.52	6,844.48	6,668.22	222.93	39.99	86.84	-762.73	-1,752.82	9,722.15	9,635.91	86.24	112.729	
14,600.00	6,905.55	6,842.77	6,666.51	225.76	39.98	86.78	-762.78	-1,752.77	9,820.43	9,734.03	86.39	113.671	
14,700.00	6,906.58	6,841.06	6,664.80	228.58	39.98	86.73	-762.84	-1,752.73	9,918.73	9,832.19	86.54	114.612	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-81.63	137.37	-933.94	944.71					
100.00	100.00	60.82	60.82	3.28	3.29	-81.63	137.41	-933.98	944.04	937.47	6.57	143.625		
200.00	200.00	156.17	156.16	3.34	3.34	-81.61	137.76	-934.39	944.52	937.84	6.68	141.366		
300.00	300.00	265.33	265.33	3.44	3.46	-81.65	137.15	-934.81	944.82	937.91	6.91	136.757		
400.00	399.98	435.30	434.88	3.60	3.77	-78.51	127.36	-931.39	942.45	935.04	7.41	127.169		
500.00	499.84	567.10	564.85	3.81	4.12	-80.20	108.49	-920.54	931.25	923.26	7.99	116.515		
600.00	599.45	661.53	657.78	4.06	4.44	-81.78	94.12	-911.97	919.21	910.69	8.52	107.910		
700.00	698.70	754.66	749.53	4.34	4.79	-83.54	80.46	-903.65	907.52	898.41	9.11	99.598		
775.00	772.83	825.87	819.70	4.57	5.08	-85.03	70.06	-897.45	899.19	889.59	9.61	93.597		
800.00	797.48	849.76	843.23	4.65	5.18	-85.50	66.48	-895.37	896.50	886.72	9.78	91.659		
900.00	896.11	953.39	945.02	4.97	5.65	-87.67	49.54	-885.98	886.08	875.52	10.56	83.888		
1,000.00	994.74	1,070.26	1,058.59	5.31	6.26	-90.51	25.18	-873.09	875.15	863.65	11.50	76.093		
1,100.00	1,093.37	1,177.53	1,161.72	5.68	6.89	-93.41	-0.40	-858.42	863.53	851.04	12.48	69.166		
1,200.00	1,192.00	1,272.68	1,252.44	6.06	7.51	-96.18	-25.27	-844.17	852.93	839.45	13.47	63.303		
1,300.00	1,290.63	1,367.05	1,342.02	6.45	8.16	-99.06	-50.97	-829.27	844.01	829.49	14.52	58.135		
1,400.00	1,389.26	1,460.31	1,430.48	6.86	8.82	-101.95	-76.26	-814.05	836.99	821.40	15.59	53.672		
1,500.00	1,487.88	1,553.59	1,519.13	7.27	9.49	-104.83	-100.79	-798.53	831.96	815.27	16.70	49.830		
1,600.00	1,586.51	1,642.73	1,603.73	7.69	10.14	-107.63	-124.40	-783.32	829.06	811.27	17.79	46.606		
1,656.97	1,642.70	1,692.01	1,650.59	7.93	10.50	-109.16	-137.26	-775.09	828.63	810.22	18.41	45.021 CC		
1,700.00	1,685.14	1,733.49	1,690.04	8.11	10.81	-110.45	-148.02	-768.15	828.78	809.88	18.90	43.846 ES		
1,800.00	1,783.77	1,827.72	1,779.66	8.54	11.51	-113.37	-172.21	-751.94	830.41	810.37	20.04	41.442		
1,900.00	1,882.40	1,920.81	1,868.61	8.97	12.19	-116.15	-194.68	-736.20	833.99	812.84	21.15	39.432		
2,000.00	1,981.03	1,999.60	1,943.99	9.41	12.76	-118.46	-213.52	-723.13	839.98	817.83	22.15	37.931		
2,100.00	2,079.66	2,072.80	2,013.86	9.84	13.30	-120.61	-232.30	-712.00	849.99	826.92	23.07	36.839		
2,200.00	2,178.28	2,154.23	2,091.68	10.29	13.91	-122.93	-253.55	-700.93	863.53	839.49	24.04	35.920		
2,300.00	2,276.91	2,253.26	2,186.46	10.73	14.63	-125.65	-279.02	-687.65	878.98	853.85	25.14	34.969		
2,400.00	2,375.54	2,352.85	2,281.72	11.18	15.37	-128.32	-304.05	-672.93	894.99	868.77	26.22	34.131		
2,500.00	2,474.17	2,440.57	2,366.63	11.62	16.02	-130.60	-325.95	-659.77	912.59	885.40	27.19	33.566		
2,600.00	2,572.80	2,530.99	2,452.09	12.07	16.70	-132.88	-348.80	-646.40	932.20	904.04	28.16	33.107		
2,700.00	2,671.43	2,611.91	2,529.52	12.52	17.30	-134.84	-369.05	-634.48	953.31	924.29	29.02	32.851		
2,800.00	2,770.05	2,683.42	2,597.62	12.97	17.85	-136.54	-388.42	-624.42	977.69	947.93	29.77	32.846		
2,900.00	2,868.68	2,771.98	2,681.54	13.43	18.55	-138.63	-413.66	-611.63	1,004.39	973.71	30.68	32.743		
3,000.00	2,967.31	2,884.41	2,788.30	13.88	19.43	-141.14	-444.50	-594.59	1,031.36	999.54	31.82	32.414		
3,100.00	3,065.94	2,966.36	2,866.78	14.34	20.05	-142.79	-465.06	-583.01	1,058.25	1,025.63	32.62	32.441		
3,200.00	3,164.57	3,036.77	2,933.86	14.79	20.59	-144.17	-484.26	-573.62	1,088.17	1,054.89	33.28	32.699		
3,300.00	3,263.20	3,146.77	3,038.74	15.25	21.43	-146.22	-514.03	-558.97	1,119.05	1,084.70	34.35	32.575		
3,400.00	3,361.83	3,268.80	3,155.94	15.71	22.33	-148.28	-543.64	-542.28	1,148.29	1,112.77	35.52	32.324		
3,500.00	3,460.45	3,380.55	3,263.91	16.17	23.11	-150.01	-568.10	-527.13	1,176.41	1,139.84	36.56	32.176		
3,600.00	3,559.08	3,371.00	3,254.65	16.62	23.04	-149.87	-566.12	-528.35	1,208.67	1,172.34	36.34	33.264		
3,700.00	3,657.71	3,371.00	3,254.65	17.08	23.04	-149.87	-566.12	-528.35	1,248.10	1,212.09	36.01	34.657		
3,800.00	3,756.34	3,371.00	3,254.65	17.54	23.04	-149.87	-566.12	-528.35	1,294.08	1,258.54	35.54	36.409		
3,900.00	3,854.97	3,371.00	3,254.65	18.00	23.04	-149.87	-566.12	-528.35	1,345.93	1,310.97	34.96	38.497		
4,000.00	3,953.60	4,000.45	3,727.47	18.46	27.55	-160.32	-767.04	-398.68	1,397.50	1,356.37	41.13	33.974		
4,100.00	4,052.23	4,128.26	3,853.09	18.92	28.28	-161.34	-786.73	-385.90	1,425.39	1,383.20	42.19	33.789		
4,200.00	4,150.85	4,248.89	3,972.56	19.39	28.88	-162.05	-801.47	-378.35	1,451.27	1,408.13	43.14	33.641		
4,300.00	4,249.48	4,406.05	4,128.83	19.85	29.58	-162.82	-815.84	-370.17	1,474.65	1,430.39	44.26	33.317		
4,400.00	4,348.11	4,534.05	4,256.58	20.31	30.08	-163.27	-822.65	-366.16	1,494.85	1,449.68	45.17	33.092		
4,500.00	4,446.74	4,683.75	4,406.22	20.77	30.55	-163.65	-826.28	-364.24	1,512.84	1,466.74	46.11	32.811		
4,600.00	4,545.37	4,790.44	4,512.90	21.23	30.83	-163.82	-825.86	-364.51	1,528.35	1,481.50	46.85	32.621		
4,700.00	4,644.00	4,889.36	4,611.82	21.70	31.08	-163.95	-825.36	-365.50	1,543.94	1,496.37	47.57	32.456		
4,800.00	4,742.63	4,995.86	4,718.30	22.16	31.34	-164.07	-824.40	-367.05	1,559.25	1,510.94	48.31	32.275		
4,900.00	4,841.25	5,101.01	4,823.43	22.62	31.60	-164.17	-822.99	-368.79	1,574.17	1,525.12	49.05	32.091		

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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,939.88	5,205.04	4,927.40	23.09	31.85	-164.24	-820.93	-371.29	1,588.63	1,538.83	49.79	31.904		
5,100.00	5,038.51	5,290.19	5,012.51	23.55	32.06	-164.29	-819.36	-373.41	1,603.26	1,552.77	50.49	31.754		
5,200.00	5,137.14	5,372.13	5,094.44	24.02	32.28	-164.36	-818.96	-375.16	1,619.10	1,567.92	51.18	31.637		
5,300.00	5,235.77	5,485.14	5,207.42	24.48	32.58	-164.45	-818.80	-377.48	1,635.33	1,583.36	51.97	31.468		
5,400.00	5,334.40	5,606.19	5,328.44	24.94	32.91	-164.56	-816.78	-379.49	1,649.94	1,597.15	52.78	31.260		
5,500.00	5,433.03	5,716.54	5,438.75	25.41	33.20	-164.68	-813.99	-380.27	1,663.53	1,609.97	53.56	31.056		
5,600.00	5,531.65	5,805.35	5,527.52	25.87	33.44	-164.77	-811.64	-381.20	1,677.11	1,622.81	54.29	30.890		
5,700.00	5,630.28	5,881.25	5,603.41	26.34	33.65	-164.83	-810.43	-382.30	1,691.78	1,636.80	54.98	30.769		
5,800.00	5,728.91	5,955.00	5,677.16	26.80	33.88	-164.93	-810.44	-382.75	1,707.86	1,652.19	55.66	30.681		
5,900.00	5,827.54	6,032.40	5,754.53	27.27	34.15	-165.07	-811.74	-382.05	1,725.28	1,668.91	56.37	30.607		
6,000.00	5,926.17	6,148.57	5,870.67	27.73	34.57	-165.31	-814.21	-380.26	1,743.07	1,685.82	57.25	30.446		
6,100.00	6,024.80	6,266.32	5,988.41	28.20	34.97	-165.49	-814.68	-379.76	1,759.33	1,701.21	58.13	30.267		
6,200.00	6,123.43	6,370.79	6,092.88	28.66	35.30	-165.63	-814.57	-379.66	1,775.22	1,716.28	58.94	30.119		
6,272.77	6,195.20	6,464.90	6,186.97	29.00	35.58	-165.72	-813.54	-380.74	1,786.26	1,726.67	59.59	29.978		
6,300.00	6,222.05	6,503.28	6,225.34	29.13	35.70	179.39	-812.66	-381.48	1,790.20	1,730.36	59.84	29.918		
6,350.00	6,271.23	6,559.17	6,281.19	29.36	35.85	156.22	-811.06	-382.84	1,797.75	1,737.50	60.26	29.834		
6,400.00	6,319.99	6,615.20	6,337.16	29.58	36.01	140.82	-809.14	-384.55	1,805.74	1,745.05	60.69	29.752		
6,450.00	6,368.01	6,669.38	6,391.26	29.79	36.15	131.11	-807.04	-386.46	1,814.23	1,753.09	61.14	29.675		
6,500.00	6,415.02	6,722.40	6,444.21	29.99	36.30	124.74	-804.85	-388.09	1,823.24	1,761.65	61.59	29.602		
6,550.00	6,460.71	6,774.45	6,496.21	30.18	36.44	120.33	-802.66	-388.89	1,832.82	1,770.77	62.05	29.537		
6,600.00	6,504.81	6,799.14	6,520.88	30.36	36.52	116.74	-801.83	-389.15	1,843.39	1,780.94	62.45	29.517		
6,650.00	6,547.04	6,827.96	6,549.70	30.53	36.61	113.93	-801.04	-389.36	1,855.05	1,792.18	62.87	29.507 SF		
6,700.00	6,587.14	6,851.00	6,572.73	30.69	36.67	111.48	-800.58	-389.47	1,867.83	1,804.56	63.27	29.521		
6,750.00	6,624.87	6,879.59	6,601.32	30.83	36.76	109.44	-800.20	-389.64	1,881.72	1,818.01	63.71	29.536		
6,800.00	6,660.00	6,902.14	6,623.87	30.96	36.84	107.49	-800.05	-389.85	1,896.73	1,832.60	64.14	29.573		
6,850.00	6,692.30	6,922.67	6,644.39	31.07	36.90	105.62	-800.03	-390.10	1,912.86	1,848.29	64.57	29.624		
6,900.00	6,721.58	6,941.11	6,662.83	31.23	36.96	103.77	-800.11	-390.38	1,930.07	1,865.05	65.02	29.686		
6,950.00	6,747.66	6,967.51	6,689.23	31.56	37.04	102.19	-800.25	-390.88	1,948.25	1,882.72	65.52	29.734		
7,000.00	6,770.37	6,989.96	6,711.67	31.92	37.12	100.53	-800.32	-391.40	1,967.32	1,901.28	66.04	29.792		
7,050.00	6,789.58	7,008.40	6,730.10	32.33	37.18	98.78	-800.34	-391.91	1,987.27	1,920.71	66.55	29.860		
7,100.00	6,805.17	7,022.79	6,744.49	32.78	37.22	96.90	-800.34	-392.35	2,008.04	1,940.97	67.07	29.938		
7,150.00	6,817.03	7,034.40	6,756.09	33.27	37.26	94.92	-800.32	-392.73	2,029.58	1,961.98	67.60	30.024		
7,200.00	6,825.11	7,042.70	6,764.38	33.80	37.28	92.84	-800.30	-393.01	2,051.77	1,983.65	68.12	30.119		
7,250.00	6,829.35	7,045.90	6,767.58	34.37	37.29	90.60	-800.29	-393.13	2,074.51	2,005.88	68.63	30.227		
7,273.12	6,830.00	7,045.69	6,767.37	34.65	37.29	89.51	-800.29	-393.12	2,085.18	2,016.32	68.86	30.282		
7,300.00	6,830.28	7,044.83	6,766.51	34.98	37.29	89.49	-800.29	-393.09	2,097.76	2,028.63	69.12	30.348		
7,400.00	6,831.31	7,041.71	6,763.39	36.32	37.28	89.39	-800.30	-392.98	2,146.86	2,076.72	70.14	30.608		
7,500.00	6,832.34	7,038.69	6,760.38	37.83	37.27	89.30	-800.31	-392.88	2,199.41	2,128.23	71.18	30.900		
7,600.00	6,833.37	7,035.77	6,757.46	39.49	37.26	89.21	-800.32	-392.78	2,255.16	2,182.94	72.22	31.225		
7,700.00	6,834.40	7,032.95	6,754.64	41.27	37.25	89.12	-800.33	-392.68	2,313.90	2,240.65	73.25	31.588		
7,800.00	6,835.44	7,030.21	6,751.90	43.17	37.25	89.03	-800.33	-392.59	2,375.39	2,301.13	74.26	31.988		
7,900.00	6,836.47	7,027.90	6,749.60	45.17	37.24	88.96	-800.34	-392.51	2,439.43	2,364.20	75.23	32.424		
8,000.00	6,837.50	7,025.95	6,747.65	47.26	37.23	88.90	-800.34	-392.45	2,505.83	2,429.65	76.17	32.896		
8,100.00	6,838.53	7,024.06	6,745.76	49.43	37.23	88.84	-800.34	-392.39	2,574.39	2,497.32	77.07	33.404		
8,200.00	6,839.56	7,022.24	6,743.94	51.66	37.22	88.79	-800.34	-392.33	2,644.96	2,567.04	77.92	33.944		
8,300.00	6,840.59	7,020.47	6,742.17	53.95	37.21	88.73	-800.34	-392.27	2,717.37	2,638.65	78.73	34.516		
8,400.00	6,841.62	7,018.75	6,740.45	56.29	37.21	88.68	-800.34	-392.22	2,791.49	2,712.00	79.49	35.117		
8,500.00	6,842.65	7,017.09	6,738.79	58.67	37.20	88.63	-800.34	-392.17	2,867.18	2,786.97	80.21	35.746		
8,600.00	6,843.68	7,015.48	6,737.18	61.10	37.20	88.58	-800.34	-392.12	2,944.32	2,863.43	80.89	36.400		
8,700.00	6,844.71	7,013.92	6,735.62	63.56	37.19	88.53	-800.34	-392.07	3,022.79	2,941.27	81.53	37.078		
8,800.00	6,845.75	7,012.40	6,734.10	66.05	37.19	88.48	-800.34	-392.02	3,102.51	3,020.38	82.13	37.777		
8,900.00	6,846.78	7,010.93	6,732.63	68.58	37.18	88.44	-800.34	-391.98	3,183.37	3,100.68	82.69	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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,847.81	7,009.50	6,731.20	71.12	37.18	88.39	-800.34	-391.94	3,265.29	3,182.06	83.22	39.236		
9,100.00	6,848.84	7,008.10	6,729.81	73.69	37.17	88.35	-800.34	-391.90	3,348.19	3,264.47	83.72	39.992		
9,200.00	6,849.87	7,006.75	6,728.46	76.28	37.17	88.31	-800.34	-391.86	3,432.00	3,347.81	84.19	40.764		
9,300.00	6,850.90	7,005.43	6,727.14	78.89	37.17	88.27	-800.34	-391.82	3,516.65	3,432.02	84.63	41.551		
9,400.00	6,851.93	7,004.15	6,725.86	81.51	37.16	88.23	-800.34	-391.78	3,602.10	3,517.04	85.05	42.352		
9,500.00	6,852.96	7,002.91	6,724.61	84.15	37.16	88.19	-800.34	-391.75	3,688.27	3,602.82	85.45	43.165		
9,600.00	6,853.99	7,001.69	6,723.40	86.80	37.15	88.15	-800.34	-391.72	3,775.13	3,689.31	85.82	43.990		
9,700.00	6,855.03	7,000.51	6,722.22	89.46	37.15	88.11	-800.34	-391.68	3,862.62	3,776.45	86.17	44.826		
9,800.00	6,856.06	6,999.36	6,721.06	92.14	37.15	88.08	-800.33	-391.65	3,950.70	3,864.20	86.50	45.672		
9,900.00	6,857.09	6,998.23	6,719.94	94.83	37.14	88.04	-800.33	-391.62	4,039.34	3,952.52	86.82	46.527		
10,000.00	6,858.12	6,997.14	6,718.85	97.52	37.14	88.01	-800.33	-391.59	4,128.49	4,041.38	87.12	47.391		
10,100.00	6,859.15	6,996.07	6,717.78	100.23	37.14	87.98	-800.33	-391.56	4,218.14	4,130.74	87.40	48.262		
10,200.00	6,860.18	6,995.03	6,716.74	102.94	37.13	87.94	-800.33	-391.53	4,308.24	4,220.57	87.67	49.142		
10,300.00	6,861.21	6,994.01	6,715.72	105.66	37.13	87.91	-800.33	-391.51	4,398.76	4,310.84	87.93	50.028		
10,400.00	6,862.24	6,993.02	6,714.73	108.39	37.13	87.88	-800.32	-391.48	4,489.69	4,401.52	88.17	50.920		
10,500.00	6,863.27	6,992.05	6,713.76	111.12	37.12	87.85	-800.32	-391.46	4,580.99	4,492.59	88.40	51.818		
10,600.00	6,864.30	6,991.10	6,712.81	113.86	37.12	87.82	-800.32	-391.43	4,672.66	4,584.03	88.63	52.722		
10,700.00	6,865.34	6,990.17	6,711.88	116.60	37.12	87.79	-800.32	-391.41	4,764.65	4,675.81	88.84	53.631		
10,800.00	6,866.37	6,989.27	6,710.98	119.35	37.11	87.77	-800.32	-391.38	4,856.96	4,767.92	89.04	54.545		
10,900.00	6,867.40	6,988.38	6,710.10	122.11	37.11	87.74	-800.31	-391.36	4,949.57	4,860.33	89.24	55.463		
11,000.00	6,868.43	6,987.52	6,709.23	124.87	37.11	87.71	-800.31	-391.34	5,042.47	4,953.04	89.43	56.385		
11,100.00	6,869.46	6,986.67	6,708.39	127.63	37.11	87.69	-800.31	-391.32	5,135.63	5,046.02	89.61	57.311		
11,200.00	6,870.49	6,985.85	6,707.56	130.40	37.10	87.66	-800.31	-391.30	5,229.04	5,139.26	89.78	58.241		
11,300.00	6,871.52	6,985.04	6,706.75	133.17	37.10	87.64	-800.31	-391.28	5,322.69	5,232.74	89.95	59.174		
11,400.00	6,872.55	6,984.24	6,705.96	135.94	37.10	87.61	-800.30	-391.26	5,416.57	5,326.46	90.11	60.109		
11,500.00	6,873.58	6,983.47	6,705.18	138.72	37.10	87.59	-800.30	-391.24	5,510.66	5,420.39	90.27	61.048		
11,600.00	6,874.62	6,982.71	6,704.42	141.50	37.09	87.56	-800.30	-391.22	5,604.96	5,514.54	90.42	61.989		
11,700.00	6,875.65	6,981.96	6,703.68	144.28	37.09	87.54	-800.30	-391.20	5,699.45	5,608.89	90.56	62.932		
11,800.00	6,876.68	6,981.23	6,702.95	147.07	37.09	87.52	-800.30	-391.19	5,794.13	5,703.42	90.71	63.878		
11,900.00	6,877.71	6,980.52	6,702.23	149.85	37.09	87.50	-800.29	-391.17	5,888.98	5,798.14	90.84	64.826		
12,000.00	6,878.74	6,979.82	6,701.53	152.65	37.08	87.47	-800.29	-391.15	5,984.00	5,893.02	90.98	65.775		
12,100.00	6,879.77	6,979.13	6,700.85	155.44	37.08	87.45	-800.29	-391.14	6,079.18	5,988.07	91.11	66.726		
12,200.00	6,880.80	6,978.46	6,700.17	158.23	37.08	87.43	-800.29	-391.12	6,174.51	6,083.28	91.23	67.679		
12,300.00	6,881.83	6,977.80	6,699.51	161.03	37.08	87.41	-800.29	-391.10	6,269.99	6,178.63	91.36	68.633		
12,400.00	6,882.86	6,977.15	6,698.87	163.83	37.08	87.39	-800.28	-391.09	6,365.60	6,274.13	91.47	69.588		
12,500.00	6,883.89	6,976.52	6,698.23	166.63	37.07	87.37	-800.28	-391.07	6,461.35	6,369.76	91.59	70.545		
12,600.00	6,884.93	6,975.89	6,697.61	169.43	37.07	87.35	-800.28	-391.06	6,557.22	6,465.52	91.71	71.502		
12,700.00	6,885.96	6,975.28	6,697.00	172.24	37.07	87.33	-800.28	-391.05	6,653.22	6,561.40	91.82	72.461		
12,800.00	6,886.99	6,974.68	6,696.40	175.04	37.07	87.32	-800.27	-391.03	6,749.33	6,657.41	91.93	73.420		
12,900.00	6,888.02	6,974.09	6,695.81	177.85	37.07	87.30	-800.27	-391.02	6,845.56	6,753.52	92.04	74.380		
13,000.00	6,889.05	6,973.52	6,695.23	180.66	37.06	87.28	-800.27	-391.01	6,941.89	6,849.75	92.14	75.340		
13,100.00	6,890.08	6,972.95	6,694.66	183.47	37.06	87.26	-800.27	-390.99	7,038.32	6,946.08	92.24	76.301		
13,200.00	6,891.11	6,972.39	6,694.11	186.28	37.06	87.24	-800.27	-390.98	7,134.85	7,042.50	92.35	77.262		
13,300.00	6,892.14	6,971.84	6,693.56	189.10	37.06	87.23	-800.26	-390.97	7,231.48	7,139.03	92.45	78.224		
13,400.00	6,893.17	6,971.30	6,693.02	191.91	37.06	87.21	-800.26	-390.96	7,328.19	7,235.65	92.54	79.186		
13,500.00	6,894.21	6,970.77	6,692.49	194.73	37.06	87.19	-800.26	-390.95	7,424.99	7,332.35	92.64	80.148		
13,600.00	6,895.24	6,970.25	6,691.97	197.54	37.05	87.18	-800.26	-390.93	7,521.88	7,429.14	92.74	81.110		
13,700.00	6,896.27	6,969.74	6,691.46	200.36	37.05	87.16	-800.26	-390.92	7,618.85	7,526.01	92.83	82.072		
13,800.00	6,897.30	6,969.24	6,690.96	203.18	37.05	87.15	-800.25	-390.91	7,715.89	7,622.97	92.92	83.034		
13,900.00	6,898.33	6,968.75	6,690.46	206.00	37.05	87.13	-800.25	-390.90	7,813.01	7,719.99	93.02	83.996		
14,000.00	6,899.36	6,968.26	6,689.98	208.82	37.05	87.12	-800.25	-390.89	7,910.20	7,817.09	93.11	84.958		
14,100.00	6,900.39	6,967.78	6,689.50	211.64	37.05	87.10	-800.25	-390.88	8,007.46	7,914.26	93.20	85.919		

CC - Min 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 25N-3A-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 25N-3A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

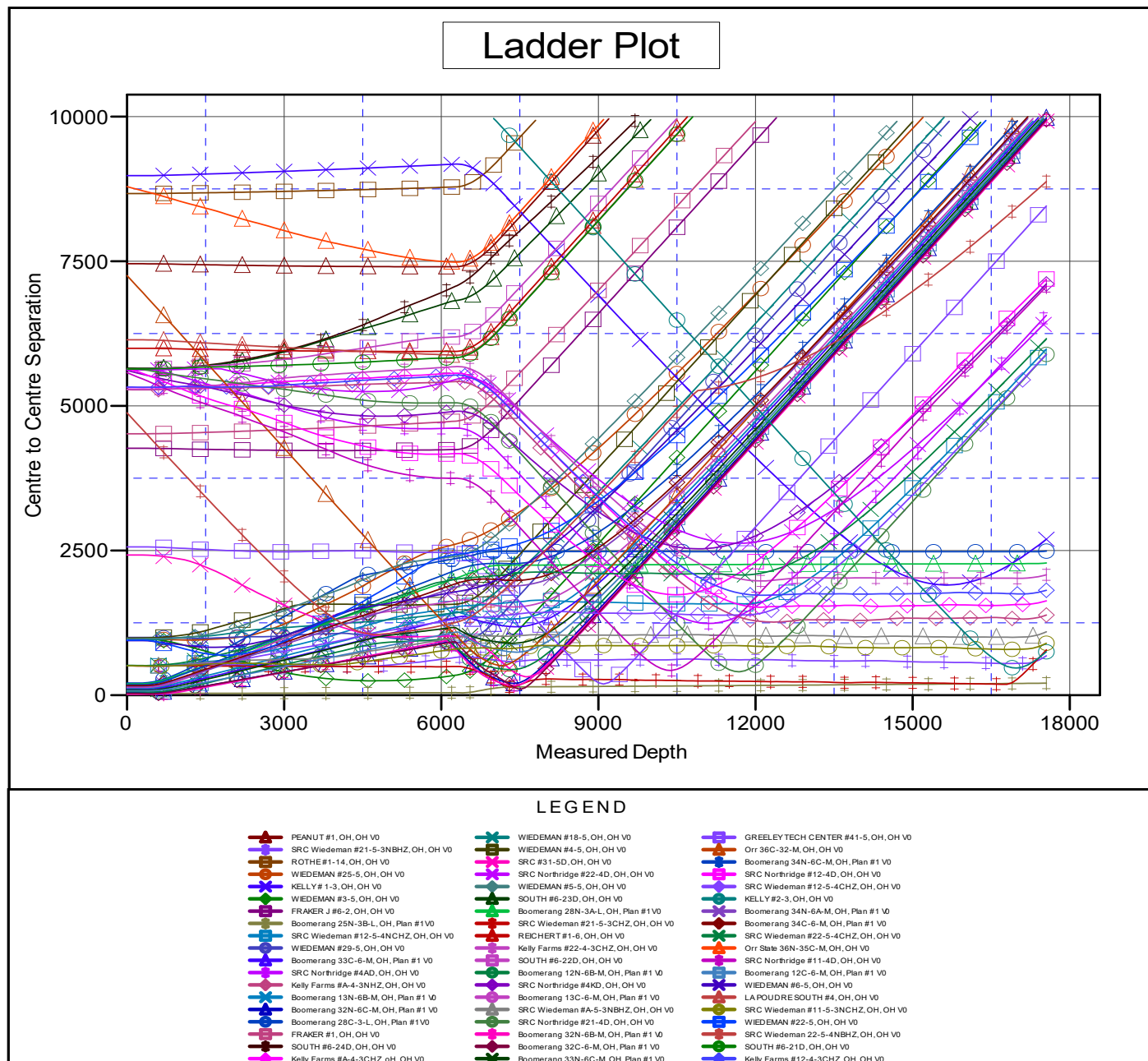
Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,901.42	6,967.31	6,689.03	214.46	37.04	87.09	-800.25	-390.87	8,104.78	8,011.50	93.29	86.881		
14,300.00	6,902.45	6,966.85	6,688.57	217.28	37.04	87.07	-800.24	-390.86	8,202.17	8,108.80	93.37	87.842		
14,400.00	6,903.48	6,966.39	6,688.11	220.11	37.04	87.06	-800.24	-390.85	8,299.62	8,206.16	93.46	88.802		
14,500.00	6,904.52	6,965.95	6,687.67	222.93	37.04	87.05	-800.24	-390.84	8,397.14	8,303.59	93.55	89.762		
14,600.00	6,905.55	6,965.51	6,687.22	225.76	37.04	87.03	-800.24	-390.83	8,494.71	8,401.07	93.63	90.722		
14,700.00	6,906.58	6,965.07	6,686.79	228.58	37.04	87.02	-800.24	-390.82	8,592.33	8,498.61	93.72	91.680		
14,800.00	6,907.61	6,964.65	6,686.36	231.41	37.04	87.00	-800.24	-390.82	8,690.01	8,596.21	93.81	92.639		
14,900.00	6,908.64	6,964.23	6,685.94	234.24	37.03	86.99	-800.23	-390.81	8,787.74	8,693.85	93.89	93.596		
15,000.00	6,909.67	6,941.00	6,662.72	237.06	36.96	86.27	-800.11	-390.38	8,885.60	8,791.72	93.88	94.653		
15,100.00	6,910.70	6,941.00	6,662.72	239.89	36.96	86.27	-800.11	-390.38	8,983.43	8,889.46	93.96	95.608		
15,200.00	6,911.73	6,941.00	6,662.72	242.72	36.96	86.27	-800.11	-390.38	9,081.30	8,987.26	94.05	96.563		
15,300.00	6,912.76	6,941.00	6,662.72	245.55	36.96	86.27	-800.11	-390.38	9,179.22	9,085.09	94.13	97.516		
15,400.00	6,913.80	6,941.00	6,662.72	248.38	36.96	86.27	-800.11	-390.38	9,277.19	9,182.97	94.21	98.469		
15,500.00	6,914.83	6,941.00	6,662.72	251.21	36.96	86.27	-800.11	-390.38	9,375.20	9,280.90	94.30	99.421		
15,600.00	6,915.86	6,941.00	6,662.72	254.04	36.96	86.27	-800.11	-390.38	9,473.25	9,378.86	94.38	100.372		
15,700.00	6,916.89	6,941.00	6,662.72	256.88	36.96	86.27	-800.11	-390.38	9,571.34	9,476.87	94.46	101.322		
15,800.00	6,917.92	6,941.00	6,662.72	259.71	36.96	86.27	-800.11	-390.38	9,669.47	9,574.92	94.55	102.271		
15,900.00	6,918.95	6,941.00	6,662.72	262.54	36.96	86.27	-800.11	-390.38	9,767.63	9,673.00	94.63	103.219		
16,000.00	6,919.98	6,941.00	6,662.72	265.37	36.96	86.27	-800.11	-390.38	9,865.84	9,771.12	94.71	104.166		
16,100.00	6,921.01	6,941.00	6,662.72	268.21	36.96	86.27	-800.11	-390.38	9,964.08	9,869.28	94.80	105.111		

Company: Synergy Resources Corporation
Project: SEC 5-T5N-R66W
Reference Site: Boomerang 21-5
Site Error: 3.28 ft
Reference Well: Boomerang 25N-3A-L
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Boomerang 25N-3A-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 25N-3A-L
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.45°



Company: Synergy Resources Corporation
Project: SEC 5-T5N-R66W
Reference Site: Boomerang 21-5
Site Error: 3.28 ft
Reference Well: Boomerang 25N-3A-L
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Boomerang 25N-3A-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

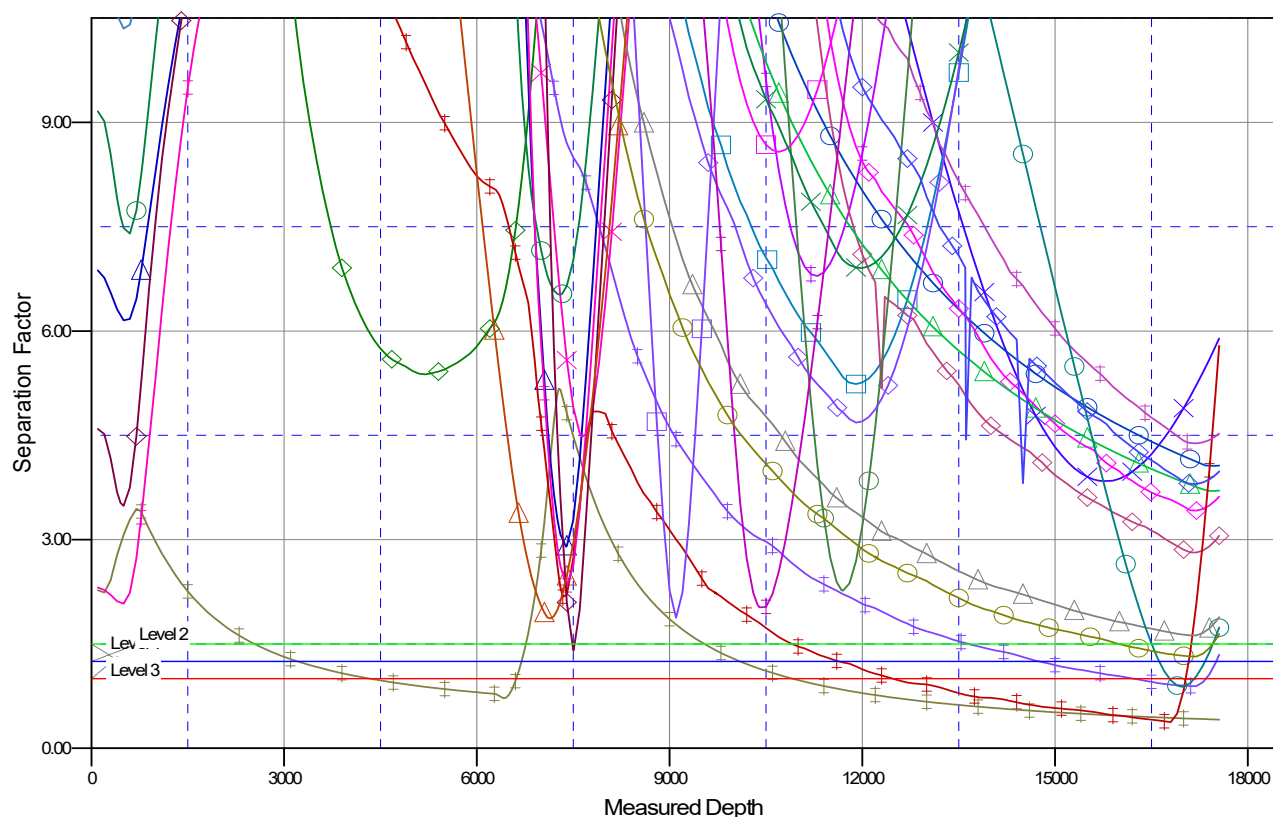
Central Meridian is -105.5000000

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