



Synergy Resources Corporation

SEC 5-T5N-R66W

Boomerang 21-5

Boomerang 34C-6-M

OH

Plan #1

Anticollision Report

05 April, 2017

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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	15,647.29	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	90.02	83.13	13.066	CC, ES
Boomerang 12C-6-M - OH - Plan #1	15,647.29	15,703.90	1,188.05	694.20	2.406	SF
Boomerang 12N-6B-M - OH - Plan #1	200.00	200.00	105.03	98.36	15.738	CC, ES
Boomerang 12N-6B-M - OH - Plan #1	15,647.29	15,618.10	1,420.53	929.11	2.891	SF
Boomerang 13C-6-M - OH - Plan #1	300.00	300.00	30.00	23.11	4.355	CC
Boomerang 13C-6-M - OH - Plan #1	15,645.11	15,695.13	413.43	-80.00	0.838	Level 1, ES, SF
Boomerang 13N-6B-M - OH - Plan #1	303.76	303.82	44.92	38.03	6.514	CC, ES
Boomerang 13N-6B-M - OH - Plan #1	15,647.29	15,460.74	615.19	145.31	1.309	Level 3, SF
Boomerang 25N-3A-L - OH - Plan #1	300.00	300.00	165.20	158.31	23.977	CC, ES
Boomerang 25N-3A-L - OH - Plan #1	500.00	488.49	176.28	168.68	23.182	SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	180.09	173.42	26.984	CC, ES
Boomerang 25N-3B-L - OH - Plan #1	400.00	387.92	187.73	180.51	26.016	SF
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	45.03	38.36	6.748	CC, ES
Boomerang 28C-3-L - OH - Plan #1	7,700.00	7,504.25	396.01	325.41	5.610	SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	30.03	23.36	4.499	CC, ES
Boomerang 28N-3A-L - OH - Plan #1	7,042.56	7,588.65	236.67	165.91	3.345	SF
Boomerang 32C-6-M - OH - Plan #1	200.00	200.00	135.06	128.39	20.237	CC, ES
Boomerang 32C-6-M - OH - Plan #1	15,647.29	15,846.35	1,812.84	1,316.60	3.653	SF
Boomerang 32N-6B-M - OH - Plan #1	300.00	300.00	150.06	143.17	21.780	CC, ES
Boomerang 32N-6B-M - OH - Plan #1	15,647.29	15,738.53	2,020.22	1,525.04	4.080	SF
Boomerang 32N-6C-M - OH - Plan #1	300.00	300.00	120.06	113.17	17.426	CC, ES
Boomerang 32N-6C-M - OH - Plan #1	15,647.29	15,706.13	1,631.75	1,137.43	3.301	SF
Boomerang 33C-6-M - OH - Plan #1	300.00	300.00	60.03	53.14	8.713	CC, ES
Boomerang 33C-6-M - OH - Plan #1	15,647.29	15,648.52	749.78	257.51	1.523	SF
Boomerang 33N-6C-M - OH - Plan #1	200.00	200.00	75.03	68.36	11.242	CC, ES
Boomerang 33N-6C-M - OH - Plan #1	15,647.29	15,589.88	976.03	451.75	1.862	SF
Boomerang 34N-6A-M - OH - Plan #1	300.00	300.00	15.00	8.11	2.177	CC
Boomerang 34N-6A-M - OH - Plan #1	400.00	400.30	15.14	7.94	2.104	ES
Boomerang 34N-6A-M - OH - Plan #1	15,647.29	15,326.70	360.86	56.61	1.186	Level 2, SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	15.03	8.36	2.253	CC
Boomerang 34N-6C-M - OH - Plan #1	15,647.29	15,513.75	374.40	-89.63	0.807	Level 1, ES, SF
FRAKER #1 - OH - OH	12,149.43	7,128.56	198.16	-195.74	0.503	Level 1, CC, ES, SF
FRAKER J #6-2 - OH - OH	11,956.16	7,088.07	1,371.23	984.12	3.542	CC
FRAKER J #6-2 - OH - OH	12,000.00	7,087.28	1,371.93	983.71	3.534	ES
FRAKER J #6-2 - OH - OH	12,100.00	7,085.46	1,378.75	988.51	3.533	SF
GREELEY TECH CENTER #41-5 - OH - OH	6,090.59	6,006.30	2,439.33	2,384.50	44.485	CC
GREELEY TECH CENTER #41-5 - OH - OH	6,200.00	6,089.97	2,439.94	2,384.22	43.792	ES

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
GREELEY TECH CENTER #41-5 - OH - OH	6,850.00	6,728.30	2,488.84	2,427.52	40.590	SF
KELLY # 1-3 - OH - OH	6,657.06	6,541.39	8,243.28	7,985.43	31.969	CC
KELLY # 1-3 - OH - OH	6,700.00	6,583.96	8,244.73	7,985.21	31.770	ES
KELLY # 1-3 - OH - OH	7,200.00	7,016.77	8,461.32	8,185.51	30.677	SF
KELLY #2-3 - OH - OH	6,645.17	6,513.60	9,681.08	9,423.99	37.657	CC
KELLY #2-3 - OH - OH	6,650.00	6,518.39	9,681.09	9,423.82	37.630	ES
KELLY #2-3 - OH - OH	7,250.00	7,031.85	9,945.01	9,668.32	35.943	SF
Kelly Farms #12-4-3CHZ - OH - OH	6,628.55	6,342.00	4,538.70	4,480.46	77.928	CC, ES
Kelly Farms #12-4-3CHZ - OH - OH	6,850.00	6,431.00	4,580.68	4,521.26	77.079	SF
Kelly Farms #22-4-3CHZ - OH - OH	6,643.91	6,438.00	4,603.57	4,544.42	77.820	CC, ES
Kelly Farms #22-4-3CHZ - OH - OH	6,850.00	6,477.53	4,640.23	4,580.11	77.187	SF
Kelly Farms #A-4-3CHZ - OH - OH	6,635.65	6,441.00	4,648.52	4,589.15	78.298	CC, ES
Kelly Farms #A-4-3CHZ - OH - OH	6,850.00	6,530.00	4,687.60	4,627.05	77.410	SF
Kelly Farms #A-4-3NHZ - OH - OH	6,608.98	6,260.00	4,593.35	4,533.45	76.686	CC, ES
Kelly Farms #A-4-3NHZ - OH - OH	6,850.00	6,300.64	4,642.33	4,581.44	76.248	SF
LA POUDRE SOUTH #4 - OH - OH	13,553.28	7,126.05	2,883.94	2,450.98	6.661	CC
LA POUDRE SOUTH #4 - OH - OH	13,600.00	7,125.20	2,884.32	2,450.10	6.643	ES
LA POUDRE SOUTH #4 - OH - OH	13,900.00	7,119.75	2,904.70	2,463.62	6.585	SF
Orr 36C-32-M - OH - OH	7,250.00	16,175.00	2,448.68	2,117.30	7.389	SF
Orr 36C-32-M - OH - OH	15,647.29	7,716.31	2,280.25	1,997.03	8.051	CC, ES
Orr State 36N-35C-M - OH - OH	15,647.29	7,445.54	2,196.76	1,916.07	7.826	CC, ES, SF
PEANUT #1 - OH - OH	15,144.30	7,051.14	1,514.43	1,039.37	3.188	CC
PEANUT #1 - OH - OH	15,200.00	7,050.13	1,515.46	1,039.02	3.181	ES, SF
REICHERT #1-6 - OH - OH	13,678.11	7,125.78	1,516.38	1,079.93	3.474	CC
REICHERT #1-6 - OH - OH	13,700.00	7,125.39	1,516.54	1,079.51	3.470	ES
REICHERT #1-6 - OH - OH	13,800.00	7,123.57	1,521.27	1,082.10	3.464	SF
ROTHE #1-14 - OH - OH	15,647.29	7,088.00	671.75	389.36	2.379	CC, ES, SF
SOUTH #6-21D - OH - OH	13,580.87	7,350.00	1,557.87	1,336.78	7.046	CC
SOUTH #6-21D - OH - OH	13,600.00	7,350.00	1,557.98	1,336.27	7.027	ES
SOUTH #6-21D - OH - OH	13,800.00	7,350.00	1,573.20	1,346.26	6.932	SF
SOUTH #6-22D - OH - OH	13,705.52	7,150.75	228.17	5.41	1.024	Level 2, CC, ES, SF
SOUTH #6-23D - OH - OH	13,824.10	7,207.90	1,179.54	951.36	5.169	CC, ES
SOUTH #6-23D - OH - OH	13,900.00	7,207.38	1,181.98	951.50	5.128	SF
SOUTH #6-24D - OH - OH	13,936.21	6,985.40	2,486.55	2,254.41	10.711	CC
SOUTH #6-24D - OH - OH	14,000.00	6,986.00	2,487.37	2,252.86	10.607	ES
SOUTH #6-24D - OH - OH	14,500.00	6,990.69	2,549.66	2,300.49	10.233	SF
SRC #31-5D - OH - OH	5,501.05	5,822.30	1,574.13	1,520.75	29.487	CC, ES
SRC #31-5D - OH - OH	6,950.00	7,078.41	1,709.61	1,646.20	26.958	SF
SRC Northridge #11-4D - OH - OH	6,624.55	7,032.83	3,341.97	3,201.65	23.816	CC, ES
SRC Northridge #11-4D - OH - OH	6,750.00	7,145.84	3,353.35	3,212.18	23.753	SF
SRC Northridge #12-4D - OH - OH	6,653.53	6,829.53	3,087.04	3,022.84	48.084	CC, ES
SRC Northridge #12-4D - OH - OH	6,850.00	7,054.03	3,116.23	3,050.30	47.261	SF
SRC Northridge #21-4D - OH - OH	6,633.06	6,747.86	4,550.82	4,474.01	59.252	CC, ES
SRC Northridge #21-4D - OH - OH	6,900.00	7,022.32	4,603.11	4,524.60	58.633	SF
SRC Northridge #22-4D - OH - OH	5,651.09	5,065.90	4,416.75	4,370.77	96.068	CC, ES
SRC Northridge #22-4D - OH - OH	6,400.00	5,065.90	4,479.79	4,431.83	93.403	SF
SRC Northridge #4AD - OH - OH	6,664.82	6,848.44	3,779.40	3,705.61	51.220	CC, ES
SRC Northridge #4AD - OH - OH	6,950.00	7,213.49	3,841.18	3,765.31	50.629	SF
SRC Northridge #4KD - OH - OH	6,668.04	6,754.64	3,554.92	3,478.16	46.312	CC, ES
SRC Northridge #4KD - OH - OH	6,800.00	6,872.18	3,568.48	3,491.11	46.124	SF
SRC Wiedeman #11-5-3NCHZ - OH - OH	1,647.56	1,612.63	433.27	417.82	28.037	CC, ES
SRC Wiedeman #11-5-3NCHZ - OH - OH	6,950.00	6,970.95	1,195.84	1,133.81	19.278	SF
SRC Wiedeman #12-5-4CHZ - OH - OH	3,205.34	3,187.89	270.27	240.89	9.199	CC, ES

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

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Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 Wiedeman #12-5-4CHZ - OH - OH	3,900.00	3,873.82	303.48	267.96	8.545	SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	3,469.61	3,455.34	170.80	139.02	5.375	CC
SRC Wiedeman #12-5-4NCHZ - OH - OH	4,000.00	3,990.16	172.90	136.07	4.695	ES
SRC Wiedeman #12-5-4NCHZ - OH - OH	4,100.00	4,085.73	176.58	138.74	4.666	SF
SRC Wiedeman #21-5-3CHZ - OH - OH	941.55	902.28	524.06	514.06	52.442	CC
SRC Wiedeman #21-5-3CHZ - OH - OH	1,000.00	956.46	524.47	514.06	50.399	ES
SRC Wiedeman #21-5-3CHZ - OH - OH	7,000.00	7,059.30	1,863.37	1,799.74	29.284	SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	1,394.37	1,357.78	479.13	465.83	36.031	CC
SRC Wiedeman #21-5-3NBHZ - OH - OH	1,400.00	1,362.85	479.13	465.79	35.915	ES
SRC Wiedeman #21-5-3NBHZ - OH - OH	6,950.00	6,941.87	1,420.11	1,358.07	22.888	SF
SRC Wiedeman #22-5-4CHZ - OH - OH	7,188.76	7,181.56	55.27	-9.80	0.849	Level 1, CC, ES, SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	2,415.10	2,395.10	430.16	407.97	19.389	CC, ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	6,950.00	6,959.48	978.58	916.31	15.715	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,706.10	2,546.09	939.15	871.86	13.957	CC, ES
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,900.00	2,552.25	958.93	888.06	13.530	SF
WIEDEMAN #18-5 - OH - OH	8,735.82	7,176.99	931.40	844.13	10.674	CC, ES
WIEDEMAN #18-5 - OH - OH	8,900.00	7,176.16	945.76	855.21	10.446	SF
WIEDEMAN #22-5 - OH - OH	7,550.00	7,553.87	481.41	402.07	6.068	SF
WIEDEMAN #22-5 - OH - OH	7,650.00	7,565.50	469.69	393.50	6.165	ES
WIEDEMAN #22-5 - OH - OH	7,650.88	7,565.53	469.69	393.53	6.167	CC
WIEDEMAN #25-5 - OH - OH	8,910.09	7,443.42	404.64	310.14	4.282	CC, ES
WIEDEMAN #25-5 - OH - OH	9,000.00	7,443.94	414.51	317.39	4.268	SF
WIEDEMAN #29-5 - OH - OH	100.00	59.88	1,034.44	1,027.87	157.386	CC, ES
WIEDEMAN #29-5 - OH - OH	9,500.00	7,256.17	2,454.67	2,350.99	23.676	SF
WIEDEMAN #3-5 - OH - OH	576.05	633.85	1,012.77	1,004.47	122.023	CC, ES
WIEDEMAN #3-5 - OH - OH	8,500.00	7,193.21	1,789.79	1,706.44	21.474	SF
WIEDEMAN #4-5 - OH - OH	100.00	55.99	1,024.16	1,017.59	155.846	CC, ES
WIEDEMAN #4-5 - OH - OH	9,800.00	7,206.71	1,780.78	1,665.59	15.460	SF
WIEDEMAN #5-5 - OH - OH	9,482.41	7,292.56	297.50	186.65	2.684	CC, ES, SF
WIEDEMAN #6-5 - OH - OH	8,132.26	7,408.00	232.39	156.76	3.073	CC, ES, 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		Minimum Separation		Separation Factor		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.50	89.61	8.63	90.02	83.45	6.57	13.704		
100.00	100.00	100.00	100.00	3.28	3.28	5.50	89.61	8.63	90.02	83.35	6.67	13.489		
200.00	200.00	200.00	200.00	3.34	3.34	5.50	89.61	8.63	90.02	83.13	6.89	13.066	CC, ES	
300.00	300.00	300.00	300.00	3.44	3.44	5.50	89.61	8.63	90.02	84.79	7.20	12.780		
400.00	399.98	398.47	398.45	3.60	3.60	-130.36	90.28	10.18	91.99	90.28	7.59	12.890		
500.00	499.84	496.71	496.56	3.79	3.80	-129.97	92.29	14.83	97.87	90.28	7.59	12.890		
600.00	599.45	594.50	593.98	4.03	4.03	-129.41	95.60	22.51	107.66	99.59	8.07	13.343		
700.00	698.70	691.62	690.40	4.30	4.30	-128.75	100.20	33.17	121.33	112.72	8.61	14.085		
790.00	787.61	779.21	777.02	4.57	4.57	-128.23	105.35	45.10	136.78	127.63	9.15	14.943		
800.00	797.47	789.04	786.74	4.60	4.60	-128.23	105.95	46.48	138.62	129.40	9.22	15.038		
900.00	896.01	887.34	883.88	4.94	4.92	-128.30	111.91	60.29	156.98	147.12	9.86	15.918		
1,000.00	994.55	985.64	981.02	5.30	5.26	-128.35	117.87	74.09	175.35	164.80	10.55	16.622		
1,100.00	1,093.09	1,083.94	1,078.16	5.68	5.63	-128.39	123.83	87.90	193.71	182.44	11.27	17.186		
1,200.00	1,191.63	1,182.24	1,175.30	6.08	6.00	-128.43	129.79	101.71	212.08	200.06	12.02	17.640		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
1,300.00	1,290.17	1,280.54	1,272.45	6.49	6.39	-128.45	135.75	115.51	230.44	217.65	12.80	18.007		
1,400.00	1,388.71	1,378.84	1,369.59	6.91	6.79	-128.48	141.71	129.32	248.81	235.22	13.59	18.305		
1,500.00	1,487.25	1,477.14	1,466.73	7.34	7.20	-128.50	147.67	143.13	267.17	252.77	14.40	18.549		
1,600.00	1,585.79	1,575.43	1,563.87	7.77	7.61	-128.52	153.63	156.93	285.54	270.31	15.23	18.751		
1,700.00	1,684.34	1,673.73	1,661.01	8.22	8.03	-128.53	159.59	170.74	303.90	287.84	16.06	18.918		
1,800.00	1,782.88	1,772.03	1,758.16	8.66	8.45	-128.55	165.55	184.55	322.27	305.36	16.91	19.057		
1,900.00	1,881.42	1,870.33	1,855.30	9.12	8.88	-128.56	171.51	198.35	340.63	322.87	17.77	19.174		
2,000.00	1,979.96	1,968.63	1,952.44	9.57	9.31	-128.57	177.47	212.16	359.00	340.37	18.63	19.272		
2,100.00	2,078.50	2,066.93	2,049.58	10.03	9.74	-128.58	183.43	225.97	377.37	357.87	19.50	19.356		
2,200.00	2,177.04	2,165.23	2,146.72	10.49	10.18	-128.59	189.40	239.77	395.73	375.36	20.37	19.427		
2,300.00	2,275.58	2,263.53	2,243.87	10.95	10.62	-128.60	195.36	253.58	414.10	392.85	21.25	19.487		
2,400.00	2,374.12	2,361.83	2,341.01	11.42	11.06	-128.61	201.32	267.39	432.46	410.33	22.13	19.539		
2,500.00	2,472.66	2,460.13	2,438.15	11.89	11.50	-128.62	207.28	281.19	450.83	427.81	23.02	19.584		
2,600.00	2,571.20	2,558.43	2,535.29	12.36	11.94	-128.62	213.24	295.00	469.19	445.28	23.91	19.623		
2,700.00	2,669.74	2,656.74	2,632.43	12.83	12.39	-128.63	219.20	308.81	487.56	462.75	24.80	19.657		
2,800.00	2,768.28	2,755.02	2,729.58	13.30	12.84	-128.63	225.16	322.61	505.92	480.22	25.70	19.686		
2,900.00	2,866.83	2,853.32	2,826.72	13.78	13.29	-128.64	231.12	336.42	524.29	497.69	26.60	19.711		
3,000.00	2,965.37	2,951.62	2,923.86	14.25	13.73	-128.64	237.08	350.23	542.65	515.15	27.50	19.734		
3,100.00	3,063.91	3,049.92	3,021.00	14.73	14.18	-128.65	243.04	364.03	561.02	532.62	28.40	19.753		
3,200.00	3,162.45	3,148.22	3,118.14	15.20	14.64	-128.65	249.00	377.84	579.38	550.08	29.31	19.770		
3,300.00	3,260.99	3,246.52	3,215.29	15.68	15.09	-128.66	254.96	391.65	597.75	567.54	30.21	19.785		
3,400.00	3,359.53	3,344.82	3,312.43	16.16	15.54	-128.66	260.92	405.45	616.11	584.99	31.12	19.798		
3,500.00	3,458.07	3,443.12	3,409.57	16.64	15.99	-128.67	266.88	419.26	634.48	602.45	32.03	19.810		
3,600.00	3,556.61	3,541.42	3,506.71	17.12	16.45	-128.67	272.84	433.07	652.84	619.90	32.94	19.820		
3,700.00	3,655.15	3,639.72	3,603.85	17.60	16.90	-128.67	278.80	446.87	671.21	637.36	33.85	19.829		
3,800.00	3,753.69	3,738.02	3,701.00	18.08	17.35	-128.67	284.76	460.68	689.57	654.81	34.76	19.837		
3,900.00	3,852.23	3,836.31	3,798.14	18.56	17.81	-128.68	290.72	474.49	707.94	672.26	35.68	19.844		
4,000.00	3,950.77	3,934.61	3,895.28	19.04	18.27	-128.68	296.68	488.29	726.30	689.71	36.59	19.850		
4,100.00	4,049.31	4,032.91	3,992.42	19.52	18.72	-128.68	302.64	502.10	744.67	707.16	37.51	19.855		
4,200.00	4,147.86	4,131.21	4,089.56	20.00	19.18	-128.69	308.60	515.91	763.04	724.61	38.42	19.860		
4,300.00	4,246.40	4,229.51	4,186.71	20.49	19.63	-128.69	314.56	529.72	781.40	742.06	39.34	19.864		
4,400.00	4,344.94	4,327.81	4,283.85	20.97	20.09	-128.69	320.52	543.52	799.77	759.51	40.26	19.867		
4,500.00	4,443.48	4,426.11	4,380.99	21.45	20.55	-128.69	326.48	557.33	818.13	776.96	41.17	19.870		
4,600.00	4,542.02	4,524.41	4,478.13	21.94	21.01	-128.69	332.45	571.14	836.50	794.40	42.09	19.873		
4,700.00	4,640.56	4,622.71	4,575.27	22.42	21.46	-128.70	338.41	584.94	854.86	811.85	43.01	19.875		
4,800.00	4,739.10	4,721.01	4,672.42	22.91	21.92	-128.70	344.37	598.75	873.23	829.30	43.93	19.877		
4,900.00	4,837.64	4,819.31	4,769.56	23.39	22.38	-128.70	350.33	612.56	891.59	846.74	44.85	19.879		
5,000.00	4,936.18	4,917.60	4,866.70	23.87	22.84	-128.70	356.29	626.36	909.96	864.19	45.77	19.880		
5,100.00	5,034.72	5,015.90	4,963.84	24.36	23.30	-128.70	362.25	640.17	928.32	881.63	46.69	19.881		
5,200.00	5,133.26	5,114.20	5,060.98	24.84	23.76	-128.70	368.21	653.98	946.69	899.07	47.61	19.882		
5,300.00	5,231.80	5,212.50	5,158.13	25.33	24.22	-128.71	374.17	667.78	965.05	916.52	48.54	19.883		
5,400.00	5,330.34	5,310.80	5,255.27	25.82	24.68	-128.71	380.13	681.59	983.42	933.96	49.46	19.884		
5,500.00	5,428.89	5,409.10	5,352.41	26.30	25.13	-128.71	386.09	695.40	1,001.78	951.40	50.38	19.884		
5,600.00	5,527.43	5,507.40	5,449.55	26.79	25.59	-128.71	392.05	709.20	1,020.15	968.84	51.30	19.884		
5,700.00	5,625.97	5,605.70	5,546.69	27.27	26.05	-128.71	398.01	723.01	1,038.51	986.29	52.23	19.884		
5,800.00	5,724.51	5,704.00	5,643.84	27.76	26.51	-128.71	403.97	736.82	1,056.88	1,003.73	53.15	19.884		
5,900.00	5,823.05	5,802.30	5,740.98	28.24	26.97	-128.71	409.93	750.62	1,075.25	1,021.17	54.08	19.884		
6,000.00	5,921.59	5,900.60	5,838.12	28.73	27.43	-128.72	415.89	764.43	1,093.61	1,038.61	55.00	19.884		
6,100.00	6,020.13	6,001.11	5,935.26	29.22	27.91	-128.72	421.85	778.24	1,111.98	1,056.04	55.93	19.880		
6,200.00	6,118.67	6,102.81	6,032.40	29.70	28.38	-128.72	427.81	792.04	1,130.34	1,073.47	56.87	19.874		
6,300.00	6,217.21	6,204.51	6,129.55	30.19	28.86	-128.72	433.77	805.85	1,148.71	1,090.89	57.82	19.868		
6,400.00	6,315.75	6,306.21	6,226.69	30.68	29.33	-128.72	439.73	819.66	1,167.07	1,108.31	58.76	19.863		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
6,500.00	6,414.29	6,392.09	6,323.83	31.16	29.74	-128.72	445.69	833.46	1,185.44	1,125.81	59.62	19.882		
6,582.51	6,495.60	6,473.20	6,403.98	31.57	30.12	-128.72	450.61	844.86	1,200.59	1,140.20	60.39	19.881		
6,600.00	6,512.86	6,495.35	6,425.91	31.65	30.22	-136.53	451.95	847.71	1,203.81	1,143.22	60.59	19.867		
6,650.00	6,562.39	6,563.03	6,493.32	31.88	30.51	-167.80	455.89	851.71	1,212.90	1,151.73	61.17	19.827		
6,700.00	6,611.96	6,630.72	6,560.80	32.08	30.78	158.43	459.60	848.53	1,221.77	1,160.07	61.69	19.803		
6,750.00	6,661.26	6,698.19	6,627.37	32.27	31.03	136.72	463.01	838.25	1,230.36	1,168.18	62.18	19.788		
6,800.00	6,709.99	6,765.23	6,692.08	32.44	31.29	124.38	466.08	821.10	1,238.64	1,176.00	62.64	19.774		
6,850.00	6,757.84	6,831.64	6,754.06	32.61	31.56	116.72	468.77	797.51	1,246.56	1,183.47	63.09	19.758		
6,900.00	6,804.53	6,897.24	6,812.56	32.77	31.83	111.43	471.07	767.99	1,254.10	1,190.56	63.54	19.737		
6,950.00	6,849.77	6,961.86	6,866.93	32.92	32.12	107.47	472.95	733.17	1,261.24	1,197.24	64.00	19.707		
7,000.00	6,893.27	7,025.38	6,916.69	33.07	32.42	104.31	474.41	693.75	1,267.94	1,203.46	64.48	19.664		
7,050.00	6,934.77	7,087.71	6,961.47	33.23	32.75	101.68	475.46	650.45	1,274.19	1,209.20	64.99	19.605		
7,100.00	6,974.01	7,148.75	7,001.03	33.39	33.11	99.41	476.11	603.99	1,279.98	1,214.44	65.54	19.529		
7,150.00	7,010.75	7,208.48	7,035.27	33.55	33.50	97.43	476.37	555.08	1,285.29	1,219.14	66.15	19.430		
7,200.00	7,044.77	7,266.86	7,064.18	33.72	33.94	95.66	476.27	504.38	1,290.10	1,223.29	66.82	19.309		
7,250.00	7,075.85	7,323.90	7,087.83	33.92	34.42	94.08	475.83	452.50	1,294.41	1,226.87	67.54	19.165		
7,300.00	7,103.80	7,379.59	7,106.36	34.13	34.93	92.65	475.09	400.00	1,298.20	1,229.87	68.33	18.999		
7,350.00	7,128.45	7,433.98	7,119.97	34.38	35.47	91.36	474.06	347.37	1,301.47	1,232.28	69.18	18.813		
7,400.00	7,149.65	7,487.10	7,128.89	34.67	36.05	90.20	472.77	295.04	1,304.19	1,234.10	70.09	18.608		
7,450.00	7,167.26	7,538.99	7,133.37	35.00	36.64	89.16	471.26	243.38	1,306.37	1,235.32	71.05	18.386		
7,500.00	7,181.19	7,589.10	7,133.85	35.38	37.24	88.25	469.57	193.31	1,308.00	1,235.95	72.05	18.153		
7,550.00	7,191.34	7,637.93	7,133.33	35.81	37.88	87.58	467.87	144.51	1,309.10	1,235.95	73.15	17.897		
7,600.00	7,197.65	7,687.45	7,132.80	36.28	38.54	87.17	466.15	95.03	1,309.59	1,235.28	74.31	17.624		
7,650.00	7,200.08	7,737.35	7,132.26	36.80	39.27	87.03	464.42	45.16	1,309.41	1,233.83	75.58	17.325		
7,667.87	7,200.00	7,755.22	7,132.07	36.99	39.53	87.04	463.80	27.30	1,309.18	1,233.13	76.05	17.214		
7,700.00	7,199.42	7,787.34	7,131.73	37.35	40.01	87.05	462.68	-4.80	1,308.69	1,231.77	76.92	17.013		
7,800.00	7,197.60	7,887.33	7,130.66	38.62	41.63	87.08	459.20	-104.72	1,307.15	1,227.28	79.87	16.367		
7,900.00	7,195.78	7,987.31	7,129.59	40.06	43.38	87.11	455.73	-204.64	1,305.61	1,222.52	83.10	15.712		
8,000.00	7,193.97	8,087.30	7,128.52	41.66	45.23	87.14	452.25	-304.56	1,304.08	1,217.50	86.58	15.062		
8,100.00	7,192.15	8,187.29	7,127.45	43.40	47.19	87.17	448.77	-404.48	1,302.54	1,212.25	90.29	14.426		
8,200.00	7,190.33	8,287.27	7,126.38	45.25	49.23	87.20	445.30	-504.40	1,301.00	1,206.81	94.20	13.811		
8,300.00	7,188.51	8,387.26	7,125.31	47.20	51.34	87.23	441.82	-604.32	1,299.47	1,201.19	98.28	13.222		
8,400.00	7,186.70	8,487.24	7,124.24	49.25	53.53	87.26	438.34	-704.24	1,297.93	1,195.42	102.52	12.661		
8,500.00	7,184.88	8,587.23	7,123.17	51.37	55.77	87.29	434.87	-804.16	1,296.40	1,189.51	106.89	12.129		
8,600.00	7,183.06	8,687.21	7,122.10	53.56	58.07	87.32	431.39	-904.08	1,294.86	1,183.48	111.38	11.626		
8,700.00	7,181.24	8,787.20	7,121.03	55.81	60.41	87.35	427.91	-1,004.00	1,293.33	1,177.35	115.98	11.152		
8,800.00	7,179.43	8,887.19	7,119.96	58.11	62.79	87.38	424.44	-1,103.92	1,291.79	1,171.13	120.67	10.705		
8,900.00	7,177.61	8,987.17	7,118.89	60.46	65.21	87.41	420.96	-1,203.84	1,290.26	1,164.82	125.44	10.286		
9,000.00	7,175.79	9,087.16	7,117.82	62.85	67.67	87.44	417.48	-1,303.76	1,288.73	1,158.44	130.29	9.891		
9,100.00	7,173.98	9,187.14	7,116.75	65.28	70.15	87.47	414.01	-1,403.68	1,287.19	1,151.99	135.20	9.521		
9,200.00	7,172.16	9,287.13	7,115.67	67.74	72.66	87.50	410.53	-1,503.60	1,285.66	1,145.49	140.17	9.172		
9,300.00	7,170.34	9,387.12	7,114.60	70.23	75.19	87.53	407.05	-1,603.52	1,284.13	1,138.93	145.20	8.844		
9,400.00	7,168.52	9,487.10	7,113.53	72.74	77.75	87.56	403.58	-1,703.44	1,282.60	1,132.33	150.27	8.535		
9,500.00	7,166.71	9,587.09	7,112.46	75.28	80.32	87.59	400.10	-1,803.35	1,281.07	1,125.68	155.39	8.244		
9,600.00	7,164.89	9,687.07	7,111.39	77.84	82.91	87.62	396.62	-1,903.27	1,279.54	1,118.99	160.54	7.970		
9,700.00	7,163.07	9,787.06	7,110.32	80.43	85.52	87.65	393.15	-2,003.19	1,278.01	1,112.27	165.73	7.711		
9,800.00	7,161.26	9,887.05	7,109.25	83.02	88.14	87.68	389.67	-2,103.11	1,276.47	1,105.52	170.96	7.467		
9,900.00	7,159.44	9,987.03	7,108.18	85.64	90.78	87.71	386.19	-2,203.03	1,274.94	1,098.74	176.21	7.235		
10,000.00	7,157.62	10,087.02	7,107.11	88.27	93.42	87.74	382.72	-2,302.95	1,273.42	1,091.93	181.49	7.017		
10,100.00	7,155.80	10,187.00	7,106.04	90.91	96.08	87.77	379.24	-2,402.87	1,271.89	1,085.10	186.79	6.809		
10,200.00	7,153.99	10,286.99	7,104.97	93.56	98.75	87.80	375.76	-2,502.79	1,270.36	1,078.24	192.11	6.613		
10,300.00	7,152.17	10,386.98	7,103.90	96.23	101.43	87.84	372.29	-2,602.71	1,268.83	1,071.37	197.46	6.426		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 12C-6-M - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,400.00	7,150.35	10,486.96	7,102.83	98.90	104.12	87.87	368.81	-2,702.63	1,267.30	1,064.48	202.82	6.248		
10,500.00	7,148.54	10,586.95	7,101.76	101.59	106.81	87.90	365.33	-2,802.55	1,265.77	1,057.57	208.20	6.079		
10,600.00	7,146.72	10,686.93	7,100.69	104.28	109.51	87.93	361.86	-2,902.47	1,264.25	1,050.64	213.60	5.919		
10,700.00	7,144.90	10,786.92	7,099.62	106.98	112.22	87.96	358.38	-3,002.39	1,262.72	1,043.70	219.02	5.765		
10,800.00	7,143.08	10,886.91	7,098.55	109.69	114.94	87.99	354.91	-3,102.31	1,261.19	1,036.75	224.44	5.619		
10,900.00	7,141.27	10,986.89	7,097.48	112.41	117.66	88.02	351.43	-3,202.23	1,259.67	1,029.78	229.88	5.480		
11,000.00	7,139.45	11,086.88	7,096.41	115.13	120.39	88.06	347.95	-3,302.15	1,258.14	1,022.80	235.34	5.346		
11,100.00	7,137.63	11,186.86	7,095.34	117.86	123.12	88.09	344.48	-3,402.07	1,256.61	1,015.82	240.80	5.219		
11,200.00	7,135.82	11,286.85	7,094.27	120.59	125.86	88.12	341.00	-3,501.99	1,255.09	1,008.82	246.27	5.096		
11,300.00	7,134.00	11,386.84	7,093.20	123.33	128.60	88.15	337.52	-3,601.91	1,253.56	1,001.81	251.76	4.979		
11,400.00	7,132.18	11,486.82	7,092.13	126.07	131.34	88.18	334.05	-3,701.83	1,252.04	994.79	257.25	4.867		
11,500.00	7,130.36	11,586.81	7,091.06	128.82	134.09	88.21	330.57	-3,801.75	1,250.52	987.77	262.75	4.759		
11,600.00	7,128.55	11,686.79	7,089.99	131.57	136.85	88.25	327.09	-3,901.67	1,248.99	980.73	268.26	4.656		
11,700.00	7,126.73	11,786.78	7,088.92	134.33	139.60	88.28	323.62	-4,001.59	1,247.47	973.69	273.78	4.557		
11,800.00	7,124.91	11,886.77	7,087.85	137.09	142.36	88.31	320.14	-4,101.51	1,245.95	966.65	279.30	4.461		
11,900.00	7,123.10	11,986.75	7,086.78	139.85	145.13	88.34	316.66	-4,201.43	1,244.42	959.59	284.83	4.369		
12,000.00	7,121.28	12,086.74	7,085.71	142.62	147.90	88.38	313.19	-4,301.35	1,242.90	952.54	290.37	4.280		
12,100.00	7,119.46	12,186.72	7,084.64	145.39	150.67	88.41	309.71	-4,401.27	1,241.38	945.47	295.91	4.195		
12,200.00	7,117.64	12,286.71	7,083.57	148.16	153.44	88.44	306.23	-4,501.19	1,239.86	938.40	301.46	4.113		
12,300.00	7,115.83	12,386.69	7,082.50	150.94	156.21	88.47	302.76	-4,601.11	1,238.34	931.33	307.01	4.034		
12,400.00	7,114.01	12,486.68	7,081.43	153.72	158.99	88.51	299.28	-4,701.03	1,236.82	924.25	312.57	3.957		
12,500.00	7,112.19	12,586.67	7,080.36	156.50	161.77	88.54	295.80	-4,800.95	1,235.30	917.16	318.14	3.883		
12,600.00	7,110.37	12,686.65	7,079.29	159.28	164.55	88.57	292.33	-4,900.87	1,233.78	910.07	323.70	3.811		
12,700.00	7,108.56	12,786.64	7,078.22	162.07	167.33	88.60	288.85	-5,000.79	1,232.26	902.98	329.28	3.742		
12,800.00	7,106.74	12,886.62	7,077.15	164.86	170.12	88.64	285.37	-5,100.71	1,230.74	895.89	334.85	3.675		
12,900.00	7,104.92	12,986.61	7,076.08	167.65	172.91	88.67	281.90	-5,200.63	1,229.22	888.79	340.43	3.611		
13,000.00	7,103.11	13,086.60	7,075.01	170.44	175.70	88.70	278.42	-5,300.55	1,227.70	881.69	346.02	3.548		
13,100.00	7,101.29	13,186.58	7,073.94	173.23	178.49	88.74	274.94	-5,400.47	1,226.19	874.58	351.61	3.487		
13,200.00	7,099.47	13,286.57	7,072.87	176.03	181.28	88.77	271.47	-5,500.39	1,224.67	867.47	357.20	3.429		
13,300.00	7,097.65	13,386.55	7,071.80	178.82	184.07	88.80	267.99	-5,600.31	1,223.15	860.36	362.79	3.371		
13,400.00	7,095.84	13,486.54	7,070.73	181.62	186.87	88.84	264.51	-5,700.23	1,221.64	853.25	368.39	3.316		
13,500.00	7,094.02	13,586.53	7,069.66	184.42	189.67	88.87	261.04	-5,800.15	1,220.12	846.13	373.99	3.262		
13,600.00	7,092.20	13,686.51	7,068.59	187.22	192.46	88.91	257.56	-5,900.06	1,218.61	839.01	379.59	3.210		
13,700.00	7,090.39	13,786.50	7,067.52	190.03	195.26	88.94	254.08	-5,999.98	1,217.09	831.89	385.20	3.160		
13,800.00	7,088.57	13,886.48	7,066.45	192.83	198.06	88.97	250.61	-6,099.90	1,215.58	824.77	390.81	3.110		
13,900.00	7,086.75	13,986.47	7,065.38	195.64	200.87	89.01	247.13	-6,199.82	1,214.06	817.64	396.42	3.063		
14,000.00	7,084.93	14,086.46	7,064.31	198.44	203.67	89.04	243.65	-6,299.74	1,212.55	810.52	402.03	3.016		
14,100.00	7,083.12	14,186.44	7,063.24	201.25	206.47	89.07	240.18	-6,399.66	1,211.04	803.39	407.65	2.971		
14,200.00	7,081.30	14,286.43	7,062.17	204.06	209.28	89.11	236.70	-6,499.58	1,209.52	796.26	413.26	2.927		
14,300.00	7,079.48	14,386.41	7,061.10	206.87	212.08	89.14	233.22	-6,599.50	1,208.01	789.13	418.88	2.884		
14,400.00	7,077.67	14,486.40	7,060.03	209.68	214.89	89.18	229.75	-6,699.42	1,206.50	781.99	424.50	2.842		
14,500.00	7,075.85	14,586.39	7,058.96	212.49	217.70	89.21	226.27	-6,799.34	1,204.99	774.86	430.13	2.801		
14,600.00	7,074.03	14,686.37	7,057.88	215.31	220.51	89.25	222.79	-6,899.26	1,203.48	767.72	435.75	2.762		
14,700.00	7,072.21	14,786.36	7,056.81	218.12	223.32	89.28	219.32	-6,999.18	1,201.97	760.59	441.38	2.723		
14,800.00	7,070.40	14,886.34	7,055.74	220.93	226.13	89.32	215.84	-7,099.10	1,200.45	753.45	447.01	2.686		
14,900.00	7,068.58	14,986.33	7,054.67	223.75	228.94	89.35	212.37	-7,199.02	1,198.95	746.31	452.64	2.649		
15,000.00	7,066.76	15,086.32	7,053.60	226.57	231.75	89.39	208.89	-7,298.94	1,197.44	739.17	458.27	2.613		
15,100.00	7,064.95	15,186.30	7,052.53	229.38	234.56	89.42	205.41	-7,398.86	1,195.93	732.03	463.90	2.578		
15,200.00	7,063.13	15,286.29	7,051.46	232.20	237.38	89.46	201.94	-7,498.78	1,194.42	724.89	469.53	2.544		
15,300.00	7,061.31	15,386.27	7,050.39	235.02	240.19	89.49	198.46	-7,598.70	1,192.91	717.74	475.17	2.511		
15,400.00	7,059.49	15,486.26	7,049.32	237.84	243.01	89.53	194.98	-7,698.62	1,191.40	710.60	480.80	2.478		
15,500.00	7,057.68	15,586.25	7,048.25	240.66	245.82	89.56	191.51	-7,798.54	1,189.90	703.45	486.44	2.446		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - 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	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)		
15,600.00	7,055.86	15,686.23	7,047.18	243.48	248.64	89.60	188.03	-7,898.46	1,188.39	696.31	492.08	2.415	
15,635.57	7,055.21	15,703.90	7,046.99	244.48	249.13	89.60	187.41	-7,916.12	1,187.99	694.41	493.58	2.407	
15,647.29	7,055.00	15,703.90	7,046.99	244.81	249.13	89.60	187.41	-7,916.12	1,188.05	694.20	493.85	2.406 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.48	104.55	10.02	105.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.48	104.55	10.02	105.03	98.46	6.57	15.988		
200.00	200.00	200.00	200.00	3.34	3.34	5.48	104.55	10.02	105.03	98.36	6.67	15.738 CC, ES		
300.00	300.00	297.50	297.48	3.44	3.44	6.12	105.58	11.33	106.21	99.32	6.89	15.414		
400.00	399.98	394.76	394.61	3.60	3.60	-128.64	108.64	15.23	110.91	103.70	7.21	15.385		
500.00	499.84	491.51	491.00	3.79	3.79	-127.63	113.70	21.68	120.23	112.61	7.62	15.782		
600.00	599.45	587.44	586.26	4.03	4.03	-126.88	120.70	30.60	134.10	125.99	8.11	16.542		
700.00	698.70	682.27	680.00	4.30	4.29	-126.37	129.55	41.89	152.44	143.78	8.66	17.603		
790.00	787.61	766.47	762.78	4.57	4.55	-126.06	139.00	53.95	172.69	163.49	9.20	18.767		
800.00	797.47	775.75	771.88	4.60	4.58	-126.07	140.14	55.39	175.15	165.88	9.27	18.900		
900.00	896.01	867.92	861.88	4.94	4.90	-125.81	152.39	71.01	200.98	191.07	9.90	20.297		
1,000.00	994.55	964.23	949.82	5.30	5.26	-125.11	166.19	88.60	229.08	218.49	10.59	21.625		
1,100.00	1,093.09	1,054.19	1,042.00	5.68	5.62	-124.27	181.67	108.35	258.42	247.14	11.28	22.908		
1,200.00	1,191.63	1,149.73	1,134.19	6.08	6.02	-123.61	197.16	128.09	287.80	275.77	12.02	23.938		
1,300.00	1,290.17	1,245.27	1,226.37	6.49	6.44	-123.07	212.65	147.84	317.20	304.41	12.79	24.798		
1,400.00	1,388.71	1,340.81	1,318.56	6.91	6.88	-122.62	228.14	167.59	346.63	333.05	13.58	25.519		
1,500.00	1,487.25	1,436.35	1,410.74	7.34	7.32	-122.24	243.62	187.34	376.08	361.68	14.39	26.127		
1,600.00	1,585.79	1,531.89	1,502.93	7.77	7.77	-121.91	259.11	207.08	405.53	390.31	15.22	26.642		
1,700.00	1,684.34	1,627.43	1,595.11	8.22	8.23	-121.63	274.60	226.83	435.00	418.94	16.06	27.082		
1,800.00	1,782.88	1,722.97	1,687.29	8.66	8.70	-121.39	290.09	246.58	464.48	447.56	16.91	27.460		
1,900.00	1,881.42	1,818.51	1,779.48	9.12	9.17	-121.17	305.57	266.32	493.96	476.18	17.78	27.786		
2,000.00	1,979.96	1,914.05	1,871.66	9.57	9.65	-120.98	321.06	286.07	523.45	504.80	18.65	28.069		
2,100.00	2,078.50	2,009.59	1,963.85	10.03	10.13	-120.81	336.55	305.82	552.94	533.41	19.53	28.316		
2,200.00	2,177.04	2,105.13	2,056.03	10.49	10.61	-120.66	352.04	325.56	582.44	562.03	20.41	28.533		
2,300.00	2,275.58	2,200.67	2,148.22	10.95	11.10	-120.52	367.52	345.31	611.94	590.64	21.30	28.724		
2,400.00	2,374.12	2,296.21	2,240.40	11.42	11.59	-120.39	383.01	365.06	641.44	619.24	22.20	28.894		
2,500.00	2,472.66	2,391.75	2,332.59	11.89	12.08	-120.28	398.50	384.80	670.95	647.85	23.10	29.045		
2,600.00	2,571.20	2,487.29	2,424.77	12.36	12.57	-120.17	413.99	404.55	700.46	676.45	24.00	29.180		
2,700.00	2,669.74	2,582.82	2,516.96	12.83	13.06	-120.08	429.48	424.30	729.97	705.06	24.91	29.301		
2,800.00	2,768.28	2,678.36	2,609.14	13.30	13.56	-119.99	444.96	444.04	759.48	733.66	25.82	29.410		
2,900.00	2,866.83	2,773.90	2,701.32	13.78	14.06	-119.90	460.45	463.79	789.00	762.26	26.74	29.508		
3,000.00	2,965.37	2,869.44	2,793.51	14.25	14.56	-119.83	475.94	483.54	818.51	790.86	27.65	29.598		
3,100.00	3,063.91	2,964.98	2,885.69	14.73	15.06	-119.76	491.43	503.28	848.03	819.45	28.57	29.679		
3,200.00	3,162.45	3,060.52	2,977.88	15.20	15.56	-119.69	506.91	523.03	877.55	848.05	29.49	29.753		
3,300.00	3,260.99	3,156.06	3,070.06	15.68	16.06	-119.63	522.40	542.78	907.06	876.65	30.42	29.821		
3,400.00	3,359.53	3,251.60	3,162.25	16.16	16.56	-119.57	537.89	562.52	936.58	905.24	31.34	29.883		
3,500.00	3,458.07	3,347.14	3,254.43	16.64	17.06	-119.52	553.38	582.27	966.10	933.84	32.27	29.940		
3,600.00	3,556.61	3,442.68	3,346.62	17.12	17.57	-119.46	568.86	602.02	995.63	962.43	33.20	29.993		
3,700.00	3,655.15	3,538.22	3,438.80	17.60	18.07	-119.42	584.35	621.76	1,025.15	991.02	34.12	30.041		
3,800.00	3,753.69	3,633.76	3,530.99	18.08	18.58	-119.37	599.84	641.51	1,054.67	1,019.62	35.06	30.086		
3,900.00	3,852.23	3,729.30	3,623.17	18.56	19.08	-119.33	615.33	661.26	1,084.19	1,048.21	35.99	30.128		
4,000.00	3,950.77	3,824.84	3,715.35	19.04	19.59	-119.29	630.81	681.00	1,113.72	1,076.80	36.92	30.166		
4,100.00	4,049.31	3,920.38	3,807.54	19.52	20.09	-119.25	646.30	700.75	1,143.24	1,105.39	37.85	30.203		
4,200.00	4,147.86	4,015.92	3,899.72	20.00	20.60	-119.21	661.79	720.50	1,172.77	1,133.98	38.79	30.236		
4,300.00	4,246.40	4,111.46	3,991.91	20.49	21.11	-119.18	677.28	740.24	1,202.29	1,162.57	39.72	30.267		
4,400.00	4,344.94	4,207.00	4,084.09	20.97	21.62	-119.14	692.76	759.99	1,231.82	1,191.16	40.66	30.297		
4,500.00	4,443.48	4,302.54	4,176.28	21.45	22.12	-119.11	708.25	779.74	1,261.34	1,219.75	41.60	30.324		
4,600.00	4,542.02	4,402.54	4,272.78	21.94	22.65	-119.08	724.45	800.39	1,290.85	1,248.28	42.58	30.318		
4,700.00	4,640.56	4,554.65	4,420.70	22.42	23.43	-119.16	746.30	828.25	1,318.00	1,273.98	44.02	29.939		
4,800.00	4,739.10	4,709.95	4,573.42	22.91	24.16	-119.45	763.58	850.28	1,340.97	1,295.59	45.38	29.550		
4,900.00	4,837.64	4,867.58	4,729.78	23.39	24.85	-119.95	775.87	865.95	1,359.67	1,313.04	46.63	29.159		
5,000.00	4,936.18	5,026.64	4,888.41	23.87	25.49	-120.65	782.87	874.87	1,374.08	1,326.31	47.76	28.768		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	5,172.99	5,034.72	24.36	26.03	-121.48	784.55	877.02	1,384.33	1,335.57	48.75	28.394		
5,200.00	5,133.26	5,271.54	5,133.26	24.84	26.39	-122.07	784.55	877.02	1,393.39	1,343.78	49.61	28.089		
5,300.00	5,231.80	5,370.08	5,231.80	25.33	26.75	-122.65	784.55	877.02	1,402.59	1,352.13	50.46	27.797		
5,400.00	5,330.34	5,468.62	5,330.34	25.82	27.11	-123.22	784.55	877.02	1,411.94	1,360.63	51.31	27.517		
5,500.00	5,428.89	5,567.16	5,428.89	26.30	27.48	-123.79	784.55	877.02	1,421.43	1,369.27	52.17	27.249		
5,600.00	5,527.43	5,665.70	5,527.43	26.79	27.84	-124.35	784.55	877.02	1,431.07	1,378.05	53.02	26.991		
5,700.00	5,625.97	5,764.24	5,625.97	27.27	28.21	-124.91	784.55	877.02	1,440.84	1,386.96	53.88	26.744		
5,800.00	5,724.51	5,862.78	5,724.51	27.76	28.58	-125.45	784.55	877.02	1,450.74	1,396.01	54.73	26.506		
5,900.00	5,823.05	5,961.32	5,823.05	28.24	28.95	-125.99	784.55	877.02	1,460.77	1,405.18	55.59	26.278		
6,000.00	5,921.59	6,059.86	5,921.59	28.73	29.33	-126.52	784.55	877.02	1,470.94	1,414.49	56.45	26.060		
6,100.00	6,020.13	6,158.40	6,020.13	29.22	29.70	-127.05	784.55	877.02	1,481.22	1,423.92	57.30	25.849		
6,200.00	6,118.67	6,256.94	6,118.67	29.70	30.08	-127.56	784.55	877.02	1,491.64	1,433.47	58.16	25.647		
6,300.00	6,217.21	6,355.48	6,217.21	30.19	30.46	-128.07	784.55	877.02	1,502.17	1,443.15	59.02	25.452		
6,400.00	6,315.75	6,455.52	6,315.75	30.68	30.84	-128.59	784.55	877.01	1,512.82	1,452.94	59.88	25.263		
6,500.00	6,414.29	6,609.35	6,469.47	31.16	31.42	-130.07	783.72	857.62	1,521.68	1,460.82	60.86	25.004		
6,582.51	6,495.60	6,718.88	6,572.84	31.57	31.85	-131.90	782.18	821.82	1,527.25	1,465.62	61.64	24.779		
6,600.00	6,512.86	6,739.91	6,591.89	31.65	31.94	-139.92	781.80	812.95	1,528.39	1,466.59	61.80	24.731		
6,650.00	6,562.39	6,797.52	6,642.49	31.88	32.19	-171.78	780.62	785.46	1,531.86	1,469.59	62.27	24.599		
6,700.00	6,611.96	6,851.82	6,687.72	32.08	32.44	153.95	779.33	755.47	1,535.68	1,472.93	62.75	24.475		
6,750.00	6,661.26	6,903.29	6,728.09	32.27	32.70	131.83	777.96	723.59	1,539.83	1,476.60	63.22	24.356		
6,800.00	6,709.99	6,952.31	6,764.01	32.44	32.97	119.15	776.53	690.30	1,544.28	1,480.57	63.71	24.241		
6,850.00	6,757.84	6,999.21	6,795.89	32.61	33.25	111.21	775.06	655.94	1,549.00	1,484.80	64.20	24.128		
6,900.00	6,804.53	7,044.29	6,824.07	32.77	33.54	105.70	773.55	620.80	1,553.95	1,489.25	64.70	24.017		
6,950.00	6,849.77	7,087.78	6,848.83	32.92	33.85	101.56	772.01	585.08	1,559.07	1,493.86	65.21	23.908		
7,000.00	6,893.27	7,129.90	6,870.43	33.07	34.17	98.27	770.46	548.97	1,564.31	1,498.58	65.73	23.801		
7,050.00	6,934.77	7,170.81	6,889.07	33.23	34.51	95.54	768.90	512.60	1,569.59	1,503.35	66.25	23.693		
7,100.00	6,974.01	7,210.66	6,904.95	33.39	34.86	93.21	767.33	476.08	1,574.88	1,508.10	66.78	23.584		
7,150.00	7,010.75	7,249.59	6,918.23	33.55	35.23	91.18	765.76	439.53	1,580.08	1,512.76	67.32	23.470		
7,200.00	7,044.77	7,287.71	6,929.04	33.72	35.62	89.39	764.19	403.01	1,585.16	1,517.27	67.89	23.347		
7,250.00	7,075.85	7,325.10	6,937.50	33.92	36.02	87.81	762.63	366.63	1,590.04	1,521.55	68.49	23.216		
7,300.00	7,103.80	7,361.85	6,943.71	34.13	36.43	86.40	761.07	330.45	1,594.67	1,525.56	69.11	23.073		
7,350.00	7,128.45	7,398.04	6,947.78	34.38	36.85	85.14	759.53	294.53	1,598.99	1,529.21	69.77	22.917		
7,400.00	7,149.65	7,433.72	6,949.79	34.67	37.28	84.03	758.00	258.94	1,602.94	1,532.46	70.48	22.744		
7,450.00	7,167.26	7,472.49	6,949.85	35.00	37.75	83.02	756.34	220.21	1,606.46	1,535.19	71.27	22.540		
7,500.00	7,181.19	7,520.34	6,949.34	35.38	38.39	82.12	754.28	172.40	1,609.24	1,536.96	72.27	22.266		
7,550.00	7,191.34	7,569.18	6,948.81	35.81	39.07	81.48	752.19	123.62	1,611.07	1,537.69	73.38	21.955		
7,600.00	7,197.65	7,618.69	6,948.28	36.28	39.79	81.09	750.06	74.15	1,611.89	1,537.30	74.58	21.613		
7,650.00	7,200.08	7,668.59	6,947.74	36.80	40.57	80.98	747.92	24.31	1,611.62	1,535.73	75.89	21.236		
7,667.87	7,200.00	7,686.45	6,947.55	36.99	40.85	81.01	747.16	6.46	1,611.26	1,534.89	76.37	21.097		
7,700.00	7,199.42	7,718.57	6,947.20	37.35	41.37	81.01	745.78	-25.63	1,610.49	1,533.21	77.28	20.839		
7,800.00	7,197.60	7,818.54	6,946.12	38.62	43.08	81.02	741.49	-125.50	1,608.09	1,527.78	80.31	20.024		
7,900.00	7,195.78	7,918.51	6,945.04	40.06	44.90	81.04	737.20	-225.37	1,605.69	1,522.08	83.60	19.206		
8,000.00	7,193.97	8,018.48	6,943.96	41.66	46.83	81.05	732.91	-325.25	1,603.28	1,516.14	87.14	18.398		
8,100.00	7,192.15	8,118.45	6,942.89	43.40	48.85	81.06	728.62	-425.12	1,600.88	1,509.98	90.90	17.612		
8,200.00	7,190.33	8,218.42	6,941.81	45.25	50.95	81.08	724.32	-524.99	1,598.48	1,503.64	94.83	16.855		
8,300.00	7,188.51	8,318.39	6,940.73	47.20	53.12	81.09	720.03	-624.86	1,596.07	1,497.13	98.94	16.132		
8,400.00	7,186.70	8,418.36	6,939.65	49.25	55.35	81.10	715.74	-724.74	1,593.67	1,490.48	103.19	15.444		
8,500.00	7,184.88	8,518.33	6,938.57	51.37	57.63	81.12	711.45	-824.61	1,591.27	1,483.70	107.57	14.793		
8,600.00	7,183.06	8,618.30	6,937.49	53.56	59.96	81.13	707.16	-924.48	1,588.87	1,476.80	112.06	14.178		
8,700.00	7,181.24	8,718.28	6,936.42	55.81	62.33	81.14	702.87	-1,024.35	1,586.46	1,469.81	116.66	13.600		
8,800.00	7,179.43	8,818.25	6,935.34	58.11	64.75	81.16	698.58	-1,124.23	1,584.06	1,462.72	121.34	13.055		
8,900.00	7,177.61	8,918.22	6,934.26	60.46	67.19	81.17	694.29	-1,224.10	1,581.66	1,455.56	126.10	12.543		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	9,018.19	6,933.18	62.85	69.67	81.18	690.00	-1,323.97	1,579.26	1,448.33	130.93	12.062		
9,100.00	7,173.98	9,118.16	6,932.10	65.28	72.17	81.20	685.71	-1,423.84	1,576.86	1,441.03	135.82	11.610		
9,200.00	7,172.16	9,218.13	6,931.03	67.74	74.70	81.21	681.42	-1,523.72	1,574.45	1,433.68	140.77	11.185		
9,300.00	7,170.34	9,318.10	6,929.95	70.23	77.24	81.23	677.13	-1,623.59	1,572.05	1,426.28	145.77	10.785		
9,400.00	7,168.52	9,418.07	6,928.87	72.74	79.81	81.24	672.84	-1,723.46	1,569.65	1,418.84	150.81	10.408		
9,500.00	7,166.71	9,518.04	6,927.79	75.28	82.40	81.25	668.55	-1,823.33	1,567.25	1,411.35	155.90	10.053		
9,600.00	7,164.89	9,618.01	6,926.71	77.84	85.00	81.27	664.26	-1,923.21	1,564.85	1,403.82	161.02	9.718		
9,700.00	7,163.07	9,717.98	6,925.63	80.43	87.62	81.28	659.97	-2,023.08	1,562.44	1,396.27	166.18	9.402		
9,800.00	7,161.26	9,817.95	6,924.56	83.02	90.25	81.29	655.68	-2,122.95	1,560.04	1,388.68	171.37	9.104		
9,900.00	7,159.44	9,917.92	6,923.48	85.64	92.89	81.31	651.39	-2,222.82	1,557.64	1,381.06	176.58	8.821		
10,000.00	7,157.62	10,017.89	6,922.40	88.27	95.54	81.32	647.10	-2,322.70	1,555.24	1,373.42	181.82	8.554		
10,100.00	7,155.80	10,117.86	6,921.32	90.91	98.21	81.34	642.81	-2,422.57	1,552.84	1,365.75	187.09	8.300		
10,200.00	7,153.99	10,217.83	6,920.24	93.56	100.88	81.35	638.51	-2,522.44	1,550.44	1,358.07	192.37	8.060		
10,300.00	7,152.17	10,317.80	6,919.17	96.23	103.56	81.36	634.22	-2,622.31	1,548.04	1,350.36	197.68	7.831		
10,400.00	7,150.35	10,417.77	6,918.09	98.90	106.25	81.38	629.93	-2,722.19	1,545.64	1,342.64	203.00	7.614		
10,500.00	7,148.54	10,517.74	6,917.01	101.59	108.95	81.39	625.64	-2,822.06	1,543.24	1,334.90	208.34	7.407		
10,600.00	7,146.72	10,617.71	6,915.93	104.28	111.66	81.41	621.35	-2,921.93	1,540.84	1,327.14	213.70	7.210		
10,700.00	7,144.90	10,717.68	6,914.85	106.98	114.37	81.42	617.06	-3,021.80	1,538.43	1,319.37	219.07	7.023		
10,800.00	7,143.08	10,817.65	6,913.77	109.69	117.09	81.44	612.77	-3,121.68	1,536.03	1,311.58	224.45	6.843		
10,900.00	7,141.27	10,917.62	6,912.70	112.41	119.81	81.45	608.48	-3,221.55	1,533.63	1,303.78	229.85	6.672		
11,000.00	7,139.45	11,017.60	6,911.62	115.13	122.54	81.46	604.19	-3,321.42	1,531.23	1,295.98	235.26	6.509		
11,100.00	7,137.63	11,117.57	6,910.54	117.86	125.27	81.48	599.90	-3,421.29	1,528.83	1,288.16	240.68	6.352		
11,200.00	7,135.82	11,217.54	6,909.46	120.59	128.01	81.49	595.61	-3,521.17	1,526.43	1,280.33	246.11	6.202		
11,300.00	7,134.00	11,317.51	6,908.38	123.33	130.75	81.51	591.32	-3,621.04	1,524.03	1,272.49	251.55	6.059		
11,400.00	7,132.18	11,417.48	6,907.30	126.07	133.50	81.52	587.03	-3,720.91	1,521.63	1,264.64	257.00	5.921		
11,500.00	7,130.36	11,517.45	6,906.23	128.82	136.25	81.54	582.74	-3,820.78	1,519.23	1,256.78	262.45	5.789		
11,600.00	7,128.55	11,617.42	6,905.15	131.57	139.00	81.55	578.45	-3,920.66	1,516.83	1,248.92	267.92	5.662		
11,700.00	7,126.73	11,717.39	6,904.07	134.33	141.76	81.57	574.16	-4,020.53	1,514.43	1,241.04	273.39	5.539		
11,800.00	7,124.91	11,817.36	6,902.99	137.09	144.52	81.58	569.87	-4,120.40	1,512.03	1,233.16	278.87	5.422		
11,900.00	7,123.10	11,917.33	6,901.91	139.85	147.28	81.60	565.58	-4,220.27	1,509.64	1,225.28	284.36	5.309		
12,000.00	7,121.28	12,017.30	6,900.84	142.62	150.05	81.61	561.29	-4,320.15	1,507.24	1,217.39	289.85	5.200		
12,100.00	7,119.46	12,117.27	6,899.76	145.39	152.82	81.63	557.00	-4,420.02	1,504.84	1,209.49	295.35	5.095		
12,200.00	7,117.64	12,217.24	6,898.68	148.16	155.59	81.64	552.70	-4,519.89	1,502.44	1,201.58	300.85	4.994		
12,300.00	7,115.83	12,317.21	6,897.60	150.94	158.36	81.66	548.41	-4,619.77	1,500.04	1,193.67	306.37	4.896		
12,400.00	7,114.01	12,417.18	6,896.52	153.72	161.14	81.67	544.12	-4,719.64	1,497.64	1,185.76	311.88	4.802		
12,500.00	7,112.19	12,517.15	6,895.44	156.50	163.92	81.69	539.83	-4,819.51	1,495.24	1,177.84	317.40	4.711		
12,600.00	7,110.37	12,617.12	6,894.37	159.28	166.70	81.70	535.54	-4,919.38	1,492.84	1,169.92	322.93	4.623		
12,700.00	7,108.56	12,717.09	6,893.29	162.07	169.48	81.72	531.25	-5,019.26	1,490.44	1,161.99	328.46	4.538		
12,800.00	7,106.74	12,817.06	6,892.21	164.86	172.26	81.73	526.96	-5,119.13	1,488.05	1,154.06	333.99	4.455		
12,900.00	7,104.92	12,917.03	6,891.13	167.65	175.05	81.75	522.67	-5,219.00	1,485.65	1,146.12	339.53	4.376		
13,000.00	7,103.11	13,017.00	6,890.05	170.44	177.84	81.76	518.38	-5,318.87	1,483.25	1,138.18	345.07	4.298		
13,100.00	7,101.29	13,116.97	6,888.98	173.23	180.63	81.78	514.09	-5,418.75	1,480.85	1,130.24	350.62	4.224		
13,200.00	7,099.47	13,216.95	6,887.90	176.03	183.42	81.79	509.80	-5,518.62	1,478.45	1,122.29	356.17	4.151		
13,300.00	7,097.65	13,316.92	6,886.82	178.82	186.21	81.81	505.51	-5,618.49	1,476.05	1,114.34	361.72	4.081		
13,400.00	7,095.84	13,416.89	6,885.74	181.62	189.00	81.83	501.22	-5,718.36	1,473.66	1,106.38	367.27	4.012		
13,500.00	7,094.02	13,516.86	6,884.66	184.42	191.80	81.84	496.93	-5,818.24	1,471.26	1,098.43	372.83	3.946		
13,600.00	7,092.20	13,616.83	6,883.58	187.22	194.59	81.86	492.64	-5,918.11	1,468.86	1,090.47	378.40	3.882		
13,700.00	7,090.39	13,716.80	6,882.51	190.03	197.39	81.87	488.35	-6,017.98	1,466.46	1,082.50	383.96	3.819		
13,800.00	7,088.57	13,816.77	6,881.43	192.83	200.19	81.89	484.06	-6,117.85	1,464.07	1,074.54	389.53	3.759		
13,900.00	7,086.75	13,916.74	6,880.35	195.64	202.99	81.90	479.77	-6,217.73	1,461.67	1,066.57	395.10	3.699		
14,000.00	7,084.93	14,016.71	6,879.27	198.44	205.79	81.92	475.48	-6,317.60	1,459.27	1,058.60	400.67	3.642		
14,100.00	7,083.12	14,116.68	6,878.19	201.25	208.59	81.94	471.19	-6,417.47	1,456.88	1,050.63	406.25	3.586		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,081.30	14,216.65	6,877.12	204.06	211.39	81.95	466.89	-6,517.34	1,454.48	1,042.65	411.83	3.532		
14,300.00	7,079.48	14,316.62	6,876.04	206.87	214.19	81.97	462.60	-6,617.22	1,452.08	1,034.67	417.41	3.479		
14,400.00	7,077.67	14,416.59	6,874.96	209.68	217.00	81.98	458.31	-6,717.09	1,449.69	1,026.69	422.99	3.427		
14,500.00	7,075.85	14,516.56	6,873.88	212.49	219.80	82.00	454.02	-6,816.96	1,447.29	1,018.71	428.58	3.377		
14,600.00	7,074.03	14,616.53	6,872.80	215.31	222.61	82.02	449.73	-6,916.83	1,444.89	1,010.73	434.16	3.328		
14,700.00	7,072.21	14,716.50	6,871.72	218.12	225.42	82.03	445.44	-7,016.71	1,442.50	1,002.74	439.75	3.280		
14,800.00	7,070.40	14,816.47	6,870.65	220.93	228.22	82.05	441.15	-7,116.58	1,440.10	994.75	445.35	3.234		
14,900.00	7,068.58	14,916.44	6,869.57	223.75	231.03	82.06	436.86	-7,216.45	1,437.70	986.76	450.94	3.188		
15,000.00	7,066.76	15,016.41	6,868.49	226.57	233.84	82.08	432.57	-7,316.32	1,435.31	978.77	456.53	3.144		
15,100.00	7,064.95	15,116.38	6,867.41	229.38	236.65	82.10	428.28	-7,416.20	1,432.91	970.78	462.13	3.101		
15,200.00	7,063.13	15,216.35	6,866.33	232.20	239.46	82.11	423.99	-7,516.07	1,430.52	962.78	467.73	3.058		
15,300.00	7,061.31	15,316.32	6,865.25	235.02	242.27	82.13	419.70	-7,615.94	1,428.12	954.79	473.33	3.017		
15,400.00	7,059.49	15,416.29	6,864.18	237.84	245.09	82.15	415.41	-7,715.81	1,425.72	946.79	478.94	2.977		
15,500.00	7,057.68	15,516.27	6,863.10	240.66	247.90	82.16	411.12	-7,815.69	1,423.33	938.79	484.54	2.937		
15,600.00	7,055.86	15,616.24	6,862.02	243.48	250.71	82.18	406.83	-7,915.56	1,420.93	930.79	490.15	2.899		
15,635.89	7,055.21	15,618.10	6,862.00	244.49	250.76	82.18	406.75	-7,917.42	1,420.48	929.31	491.17	2.892		
15,647.29	7,055.00	15,618.10	6,862.00	244.81	250.76	82.18	406.75	-7,917.42	1,420.53	929.11	491.41	2.891 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.32	29.87	2.78	30.00					
100.00	100.00	100.00	100.00	3.28	3.28	5.32	29.87	2.78	30.00	23.43	6.57	4.567		
200.00	200.00	200.00	200.00	3.34	3.34	5.32	29.87	2.78	30.00	23.33	6.67	4.495		
300.00	300.00	300.00	300.00	3.44	3.44	5.32	29.87	2.78	30.00	23.11	6.89	4.355 CC		
400.00	399.98	400.33	400.31	3.60	3.60	-130.03	29.17	4.39	30.59	23.39	7.20	4.251		
500.00	499.84	500.62	500.46	3.79	3.80	-128.24	27.06	9.22	32.38	24.79	7.58	4.269		
600.00	599.45	600.87	600.31	4.03	4.03	-125.65	23.54	17.24	35.41	27.36	8.05	4.397		
700.00	698.70	701.02	699.72	4.30	4.31	-122.70	18.63	28.45	39.75	31.15	8.60	4.622		
790.00	787.61	791.07	788.67	4.57	4.58	-120.03	13.03	41.24	44.81	35.66	9.15	4.897		
800.00	797.47	801.07	798.52	4.60	4.62	-119.73	12.34	42.82	45.43	36.21	9.21	4.930		
900.00	896.01	900.96	896.57	4.94	4.96	-115.02	4.68	60.31	51.56	41.67	9.89	5.213		
1,000.00	994.55	1,000.50	993.54	5.30	5.34	-107.93	-4.31	80.84	58.12	47.49	10.63	5.467		
1,100.00	1,093.09	1,099.44	1,089.10	5.68	5.75	-99.43	-14.59	104.30	66.05	54.62	11.43	5.779		
1,200.00	1,191.63	1,201.60	1,184.14	6.08	6.21	-91.36	-25.66	129.58	75.83	63.55	12.28	6.176		
1,300.00	1,290.17	1,302.58	1,279.22	6.49	6.68	-85.20	-36.75	154.90	86.77	73.62	13.14	6.601		
1,400.00	1,388.71	1,396.44	1,374.30	6.91	7.14	-80.45	-47.84	180.22	98.48	84.49	13.99	7.040		
1,500.00	1,487.25	1,495.45	1,469.38	7.34	7.63	-76.72	-58.93	205.54	110.72	95.85	14.87	7.446		
1,600.00	1,585.79	1,605.53	1,564.46	7.77	8.20	-73.75	-70.01	230.86	123.33	107.51	15.82	7.797		
1,700.00	1,684.34	1,706.51	1,659.54	8.22	8.72	-71.32	-81.10	256.18	136.21	119.48	16.73	8.142		
1,800.00	1,782.88	1,807.49	1,754.63	8.66	9.26	-69.32	-92.19	281.50	149.28	131.63	17.65	8.458		
1,900.00	1,881.42	1,908.47	1,849.71	9.12	9.80	-67.64	-103.28	306.82	162.51	143.93	18.58	8.747		
2,000.00	1,979.96	2,009.46	1,944.79	9.57	10.35	-66.22	-114.37	332.14	175.85	156.34	19.51	9.012		
2,100.00	2,078.50	2,089.56	2,039.87	10.03	10.79	-65.00	-125.46	357.46	189.29	168.94	20.35	9.302		
2,200.00	2,177.04	2,188.58	2,134.95	10.49	11.33	-63.93	-136.55	382.78	202.80	181.51	21.29	9.527		
2,300.00	2,275.58	2,287.60	2,230.03	10.95	11.88	-63.01	-147.64	408.10	216.36	194.14	22.23	9.734		
2,400.00	2,374.12	2,386.62	2,325.12	11.42	12.43	-62.19	-158.73	433.42	229.98	206.81	23.17	9.924		
2,500.00	2,472.66	2,485.63	2,420.20	11.89	12.98	-61.46	-169.81	458.73	243.64	219.52	24.12	10.099		
2,600.00	2,571.20	2,584.65	2,515.28	12.36	13.54	-60.81	-180.90	484.05	257.33	232.26	25.08	10.261		
2,700.00	2,669.74	2,683.67	2,610.36	12.83	14.10	-60.23	-191.99	509.37	271.06	245.02	26.03	10.411		
2,800.00	2,768.28	2,782.69	2,705.44	13.30	14.66	-59.70	-203.08	534.69	284.80	257.81	26.99	10.550		
2,900.00	2,866.83	2,881.71	2,800.53	13.78	15.22	-59.22	-214.17	560.01	298.57	270.62	27.96	10.680		
3,000.00	2,965.37	2,980.72	2,895.61	14.25	15.78	-58.78	-225.26	585.33	312.36	283.44	28.92	10.800		
3,100.00	3,063.91	3,079.74	2,990.69	14.73	16.34	-58.38	-236.35	610.65	326.17	296.28	29.89	10.912		
3,200.00	3,162.45	3,178.76	3,085.77	15.20	16.91	-58.01	-247.44	635.97	339.98	309.13	30.86	11.018		
3,300.00	3,260.99	3,277.78	3,180.85	15.68	17.48	-57.67	-258.52	661.29	353.82	321.99	31.83	11.116		
3,400.00	3,359.53	3,385.96	3,285.10	16.16	18.08	-57.46	-270.12	687.76	366.67	333.77	32.91	11.143		
3,500.00	3,458.07	3,497.21	3,393.34	16.64	18.67	-57.62	-280.41	711.27	376.47	342.48	33.99	11.077		
3,600.00	3,556.61	3,608.93	3,502.96	17.12	19.22	-58.15	-289.05	730.99	383.14	348.10	35.03	10.936		
3,700.00	3,655.15	3,720.80	3,613.48	17.60	19.73	-59.06	-295.97	746.79	386.71	350.67	36.04	10.729		
3,800.00	3,753.69	3,832.46	3,724.39	18.08	20.21	-60.33	-301.15	758.61	387.29	350.27	37.02	10.462		
3,900.00	3,852.23	3,943.58	3,835.17	18.56	20.66	-62.00	-304.57	766.44	385.03	347.07	37.96	10.142		
4,000.00	3,950.77	4,053.84	3,945.35	19.04	21.07	-64.11	-306.27	770.31	380.16	341.29	38.87	9.779		
4,100.00	4,049.31	4,157.81	4,049.31	19.52	21.43	-66.50	-306.48	770.78	373.32	333.53	39.79	9.381		
4,200.00	4,147.86	4,256.35	4,147.86	20.00	21.77	-68.91	-306.48	770.78	366.78	326.04	40.75	9.002		
4,300.00	4,246.40	4,354.89	4,246.40	20.49	22.11	-71.40	-306.48	770.78	360.93	319.23	41.70	8.656		
4,400.00	4,344.94	4,453.44	4,344.94	20.97	22.46	-73.96	-306.48	770.78	355.79	313.15	42.65	8.343		
4,500.00	4,443.48	4,551.98	4,443.48	21.45	22.80	-76.59	-306.48	770.78	351.41	307.81	43.60	8.060		
4,600.00	4,542.02	4,650.52	4,542.02	21.94	23.15	-79.28	-306.48	770.78	347.80	303.26	44.54	7.809		
4,700.00	4,640.56	4,749.06	4,640.56	22.42	23.51	-82.02	-306.48	770.78	344.99	299.52	45.48	7.586		
4,800.00	4,739.10	4,847.60	4,739.10	22.91	23.86	-84.80	-306.48	770.78	343.01	296.61	46.40	7.392		
4,900.00	4,837.64	4,946.14	4,837.64	23.39	24.22	-87.60	-306.48	770.78	341.87	294.55	47.32	7.225		
4,985.36	4,921.75	5,030.25	4,921.75	23.80	24.53	-90.00	-306.48	770.78	341.56	293.47	48.09	7.102		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,936.18	5,044.68	4,936.18	23.87	24.58	-90.41	-306.48	770.78	341.57	293.34	48.22	7.083		
5,100.00	5,034.72	5,143.22	5,034.72	24.36	24.94	-93.22	-306.48	770.78	342.12	293.00	49.11	6.966		
5,200.00	5,133.26	5,241.76	5,133.26	24.84	25.31	-96.02	-306.48	770.78	343.51	293.52	49.99	6.872		
5,300.00	5,231.80	5,340.30	5,231.80	25.33	25.68	-98.78	-306.48	770.78	345.73	294.88	50.85	6.799		
5,400.00	5,330.34	5,438.84	5,330.34	25.82	26.05	-101.51	-306.48	770.78	348.77	297.08	51.69	6.747		
5,500.00	5,428.89	5,537.38	5,428.89	26.30	26.42	-104.18	-306.48	770.78	352.61	300.09	52.52	6.714		
5,600.00	5,527.43	5,635.92	5,527.43	26.79	26.79	-106.80	-306.48	770.78	357.22	303.88	53.34	6.697		
5,700.00	5,625.97	5,734.47	5,625.97	27.27	27.16	-109.34	-306.48	770.78	362.57	308.42	54.15	6.696		
5,800.00	5,724.51	5,833.01	5,724.51	27.76	27.54	-111.80	-306.48	770.78	368.63	313.69	54.94	6.709		
5,900.00	5,823.05	5,931.55	5,823.05	28.24	27.92	-114.19	-306.48	770.78	375.36	319.63	55.73	6.735		
6,000.00	5,921.59	6,030.09	5,921.59	28.73	28.30	-116.48	-306.48	770.78	382.74	326.22	56.51	6.773		
6,100.00	6,020.13	6,128.63	6,020.13	29.22	28.68	-118.69	-306.48	770.78	390.71	333.42	57.29	6.820		
6,200.00	6,118.67	6,227.17	6,118.67	29.70	29.06	-120.81	-306.48	770.78	399.26	341.19	58.06	6.876		
6,300.00	6,217.21	6,325.71	6,217.21	30.19	29.45	-122.85	-306.48	770.78	408.33	349.50	58.83	6.941		
6,400.00	6,315.75	6,424.25	6,315.75	30.68	29.83	-124.79	-306.48	770.78	417.90	358.30	59.60	7.012		
6,500.00	6,414.29	6,522.79	6,414.29	31.16	30.22	-126.64	-306.48	770.78	427.93	367.57	60.37	7.089		
6,582.51	6,495.60	6,604.10	6,495.60	31.57	30.54	-128.11	-306.48	770.78	436.54	375.54	61.00	7.156		
6,600.00	6,512.86	6,621.36	6,512.86	31.65	30.61	-136.07	-306.48	770.78	438.44	377.30	61.14	7.171		
6,650.00	6,562.39	6,674.47	6,565.96	31.88	30.81	-167.56	-306.51	769.85	444.18	382.62	61.56	7.215		
6,700.00	6,611.96	6,729.52	6,620.73	32.08	31.01	158.49	-306.68	764.50	449.91	387.94	61.98	7.260		
6,750.00	6,661.26	6,784.22	6,674.49	32.27	31.22	136.64	-307.00	754.51	455.57	393.20	62.37	7.304		
6,800.00	6,709.99	6,838.55	6,726.84	32.44	31.44	124.19	-307.47	740.07	461.11	398.36	62.75	7.348		
6,850.00	6,757.84	6,892.48	6,777.41	32.61	31.67	116.45	-308.07	721.37	466.53	403.39	63.14	7.389		
6,900.00	6,804.53	6,946.02	6,825.86	32.77	31.90	111.11	-308.81	698.65	471.78	408.25	63.53	7.426		
6,950.00	6,849.77	6,999.13	6,871.88	32.92	32.15	107.12	-309.67	672.17	476.84	412.90	63.94	7.458		
7,000.00	6,893.27	7,051.82	6,915.18	33.07	32.42	103.95	-310.63	642.20	481.70	417.33	64.37	7.484		
7,050.00	6,934.77	7,104.07	6,955.54	33.23	32.71	101.32	-311.71	609.05	486.31	421.48	64.82	7.502		
7,100.00	6,974.01	7,155.89	6,992.74	33.39	33.02	99.08	-312.87	573.02	490.65	425.34	65.31	7.513		
7,150.00	7,010.75	7,207.27	7,026.61	33.55	33.36	97.13	-314.12	534.42	494.71	428.87	65.83	7.515		
7,200.00	7,044.77	7,258.21	7,057.01	33.72	33.74	95.40	-315.44	493.58	498.45	432.04	66.41	7.506		
7,250.00	7,075.85	7,308.72	7,083.83	33.92	34.15	93.85	-316.82	450.82	501.86	434.82	67.03	7.487		
7,300.00	7,103.80	7,358.80	7,106.99	34.13	34.59	92.47	-318.26	406.45	504.91	437.19	67.72	7.456		
7,350.00	7,128.45	7,408.46	7,126.44	34.38	35.07	91.22	-319.73	360.80	507.58	439.11	68.47	7.413		
7,400.00	7,149.65	7,457.70	7,142.16	34.67	35.58	90.09	-321.24	314.17	509.87	440.57	69.29	7.358		
7,450.00	7,167.26	7,506.54	7,154.14	35.00	36.13	89.09	-322.77	266.86	511.74	441.56	70.18	7.292		
7,500.00	7,181.19	7,554.99	7,162.41	35.38	36.70	88.19	-324.31	219.16	513.19	442.05	71.14	7.214		
7,550.00	7,191.34	7,603.05	7,167.00	35.81	37.30	87.40	-325.86	171.36	514.20	442.05	72.15	7.127		
7,600.00	7,197.65	7,650.82	7,167.98	36.28	37.91	86.72	-327.40	123.64	514.77	441.55	73.22	7.030		
7,650.00	7,200.08	7,700.70	7,167.26	36.80	38.58	86.34	-329.01	73.78	514.76	440.36	74.40	6.918		
7,667.87	7,200.00	7,718.57	7,167.00	36.99	38.84	86.34	-329.59	55.92	514.58	439.71	74.87	6.873		
7,700.00	7,199.42	7,750.70	7,166.54	37.35	39.32	86.35	-330.63	23.82	514.17	438.43	75.74	6.788		
7,800.00	7,197.60	7,850.69	7,165.10	38.62	40.86	86.38	-333.86	-76.11	512.89	434.26	78.63	6.523		
7,900.00	7,195.78	7,950.68	7,163.65	40.06	42.54	86.41	-337.09	-176.04	511.62	429.80	81.82	6.253		
8,000.00	7,193.97	8,050.67	7,162.21	41.66	44.34	86.44	-340.32	-275.97	510.34	425.07	85.27	5.985		
8,100.00	7,192.15	8,150.66	7,160.77	43.40	46.25	86.48	-343.55	-375.90	509.07	420.12	88.95	5.723		
8,200.00	7,190.33	8,250.65	7,159.32	45.25	48.25	86.51	-346.78	-475.83	507.79	414.96	92.83	5.470		
8,300.00	7,188.51	8,350.65	7,157.88	47.20	50.33	86.55	-350.01	-575.76	506.52	409.63	96.89	5.228		
8,400.00	7,186.70	8,450.64	7,156.44	49.25	52.49	86.58	-353.24	-675.69	505.24	404.13	101.11	4.997		
8,500.00	7,184.88	8,550.63	7,154.99	51.37	54.71	86.61	-356.47	-775.61	503.97	398.50	105.46	4.779		
8,600.00	7,183.06	8,650.62	7,153.55	53.56	56.98	86.65	-359.70	-875.54	502.69	392.75	109.94	4.572		
8,700.00	7,181.24	8,750.61	7,152.11	55.81	59.31	86.68	-362.93	-975.47	501.42	386.89	114.53	4.378		
8,800.00	7,179.43	8,850.60	7,150.67	58.11	61.68	86.72	-366.16	-1,075.40	500.14	380.93	119.21	4.195		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	8,950.59	7,149.22	60.46	64.08	86.75	-369.39	-1,175.33	498.87	374.89	123.98	4.024		
9,000.00	7,175.79	9,050.59	7,147.78	62.85	66.52	86.79	-372.62	-1,275.26	497.59	368.77	128.82	3.863		
9,100.00	7,173.98	9,150.58	7,146.34	65.28	69.00	86.82	-375.86	-1,375.19	496.32	362.59	133.73	3.711		
9,200.00	7,172.16	9,250.57	7,144.89	67.74	71.50	86.86	-379.09	-1,475.12	495.05	356.34	138.70	3.569		
9,300.00	7,170.34	9,350.56	7,143.45	70.23	74.02	86.89	-382.32	-1,575.04	493.77	350.05	143.73	3.435		
9,400.00	7,168.52	9,450.55	7,142.01	72.74	76.57	86.93	-385.55	-1,674.97	492.50	343.70	148.80	3.310		
9,500.00	7,166.71	9,550.54	7,140.56	75.28	79.14	86.96	-388.78	-1,774.90	491.23	337.31	153.91	3.192		
9,600.00	7,164.89	9,650.53	7,139.12	77.84	81.73	87.00	-392.01	-1,874.83	489.95	330.88	159.07	3.080		
9,700.00	7,163.07	9,750.53	7,137.68	80.43	84.33	87.03	-395.24	-1,974.76	488.68	324.42	164.26	2.975		
9,800.00	7,161.26	9,850.52	7,136.24	83.02	86.95	87.07	-398.47	-2,074.69	487.41	317.92	169.48	2.876		
9,900.00	7,159.44	9,950.51	7,134.79	85.64	89.58	87.11	-401.70	-2,174.62	486.14	311.40	174.74	2.782		
10,000.00	7,157.62	10,050.50	7,133.35	88.27	92.22	87.14	-404.93	-2,274.55	484.86	304.85	180.02	2.693		
10,100.00	7,155.80	10,150.49	7,131.91	90.91	94.88	87.18	-408.16	-2,374.47	483.59	298.27	185.32	2.609		
10,200.00	7,153.99	10,250.48	7,130.46	93.56	97.55	87.22	-411.39	-2,474.40	482.32	291.67	190.65	2.530		
10,300.00	7,152.17	10,350.47	7,129.02	96.23	100.22	87.25	-414.62	-2,574.33	481.05	285.05	196.00	2.454		
10,400.00	7,150.35	10,450.47	7,127.58	98.90	102.91	87.29	-417.85	-2,674.26	479.78	278.41	201.36	2.383		
10,500.00	7,148.54	10,550.46	7,126.14	101.59	105.60	87.33	-421.08	-2,774.19	478.51	271.76	206.75	2.314		
10,600.00	7,146.72	10,650.45	7,124.69	104.28	108.30	87.37	-424.31	-2,874.12	477.23	265.08	212.15	2.250		
10,700.00	7,144.90	10,750.44	7,123.25	106.98	111.01	87.41	-427.55	-2,974.05	475.96	258.40	217.57	2.188		
10,800.00	7,143.08	10,850.43	7,121.81	109.69	113.73	87.44	-430.78	-3,073.98	474.69	251.70	223.00	2.129		
10,900.00	7,141.27	10,950.42	7,120.36	112.41	116.45	87.48	-434.01	-3,173.91	473.42	244.98	228.44	2.072		
11,000.00	7,139.45	11,050.41	7,118.92	115.13	119.18	87.52	-437.24	-3,273.83	472.15	238.26	233.90	2.019		
11,100.00	7,137.63	11,150.41	7,117.48	117.86	121.91	87.56	-440.47	-3,373.76	470.88	231.52	239.36	1.967		
11,200.00	7,135.82	11,250.40	7,116.03	120.59	124.65	87.60	-443.70	-3,473.69	469.61	224.77	244.84	1.918		
11,300.00	7,134.00	11,350.39	7,114.59	123.33	127.39	87.64	-446.93	-3,573.62	468.34	218.01	250.33	1.871		
11,400.00	7,132.18	11,450.38	7,113.15	126.07	130.13	87.68	-450.16	-3,673.55	467.07	211.25	255.83	1.826		
11,500.00	7,130.36	11,550.37	7,111.71	128.82	132.88	87.72	-453.39	-3,773.48	465.81	204.47	261.33	1.782		
11,600.00	7,128.55	11,650.36	7,110.26	131.57	135.64	87.76	-456.62	-3,873.41	464.54	197.69	266.85	1.741		
11,700.00	7,126.73	11,750.35	7,108.82	134.33	138.40	87.80	-459.85	-3,973.34	463.27	190.90	272.37	1.701		
11,800.00	7,124.91	11,850.35	7,107.38	137.09	141.16	87.84	-463.08	-4,073.26	462.00	184.10	277.90	1.662		
11,900.00	7,123.10	11,950.34	7,105.93	139.85	143.92	87.88	-466.31	-4,173.19	460.73	177.30	283.43	1.626		
12,000.00	7,121.28	12,050.33	7,104.49	142.62	146.69	87.92	-469.54	-4,273.12	459.46	170.49	288.97	1.590		
12,100.00	7,119.46	12,150.32	7,103.05	145.39	149.46	87.96	-472.77	-4,373.05	458.20	163.67	294.52	1.556		
12,200.00	7,117.64	12,250.31	7,101.61	148.16	152.23	88.00	-476.01	-4,472.98	456.93	156.85	300.08	1.523		
12,300.00	7,115.83	12,350.30	7,100.16	150.94	155.01	88.04	-479.24	-4,572.91	455.66	150.03	305.63	1.491 Level 3		
12,400.00	7,114.01	12,450.29	7,098.72	153.72	157.79	88.08	-482.47	-4,672.84	454.39	143.20	311.20	1.460 Level 3		
12,500.00	7,112.19	12,550.29	7,097.28	156.50	160.57	88.13	-485.70	-4,772.77	453.13	136.36	316.77	1.430 Level 3		
12,600.00	7,110.37	12,650.28	7,095.83	159.28	163.35	88.17	-488.93	-4,872.70	451.86	129.52	322.34	1.402 Level 3		
12,700.00	7,108.56	12,750.27	7,094.39	162.07	166.13	88.21	-492.16	-4,972.62	450.60	122.68	327.92	1.374 Level 3		
12,800.00	7,106.74	12,850.26	7,092.95	164.86	168.92	88.25	-495.39	-5,072.55	449.33	115.83	333.50	1.347 Level 3		
12,900.00	7,104.92	12,950.25	7,091.50	167.65	171.71	88.30	-498.62	-5,172.48	448.06	108.98	339.09	1.321 Level 3		
13,000.00	7,103.11	13,050.24	7,090.06	170.44	174.50	88.34	-501.85	-5,272.41	446.80	102.12	344.68	1.296 Level 3		
13,100.00	7,101.29	13,150.23	7,088.62	173.23	177.29	88.38	-505.08	-5,372.34	445.53	95.26	350.27	1.272 Level 3		
13,200.00	7,099.47	13,250.23	7,087.18	176.03	180.08	88.43	-508.31	-5,472.27	444.27	88.40	355.87	1.248 Level 2		
13,300.00	7,097.65	13,350.22	7,085.73	178.82	182.88	88.47	-511.54	-5,572.20	443.00	81.53	361.47	1.226 Level 2		
13,400.00	7,095.84	13,450.21	7,084.29	181.62	185.67	88.51	-514.77	-5,672.13	441.74	74.67	367.07	1.203 Level 2		
13,500.00	7,094.02	13,550.20	7,082.85	184.42	188.47	88.56	-518.00	-5,772.05	440.48	67.80	372.68	1.182 Level 2		
13,600.00	7,092.20	13,650.19	7,081.40	187.22	191.27	88.60	-521.23	-5,871.98	439.21	60.92	378.29	1.161 Level 2		
13,700.00	7,090.39	13,750.18	7,079.96	190.03	194.07	88.65	-524.46	-5,971.91	437.95	54.05	383.90	1.141 Level 2		
13,800.00	7,088.57	13,850.17	7,078.52	192.83	196.87	88.69	-527.70	-6,071.84	436.68	47.17	389.51	1.121 Level 2		
13,900.00	7,086.75	13,950.17	7,077.07	195.64	199.68	88.74	-530.93	-6,171.77	435.42	40.29	395.13	1.102 Level 2		
14,000.00	7,084.93	14,050.16	7,075.63	198.44	202.48	88.79	-534.16	-6,271.70	434.16	33.41	400.75	1.083 Level 2		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,083.12	14,150.15	7,074.19	201.25	205.28	88.83	-537.39	-6,371.63	432.90	26.53	406.37	1.065 Level 2		
14,200.00	7,081.30	14,250.14	7,072.75	204.06	208.09	88.88	-540.62	-6,471.56	431.63	19.64	411.99	1.048 Level 2		
14,300.00	7,079.48	14,350.13	7,071.30	206.87	210.90	88.92	-543.85	-6,571.48	430.37	12.75	417.62	1.031 Level 2		
14,400.00	7,077.67	14,450.12	7,069.86	209.68	213.71	88.97	-547.08	-6,671.41	429.11	5.87	423.24	1.014 Level 2		
14,500.00	7,075.85	14,550.11	7,068.42	212.49	216.51	89.02	-550.31	-6,771.34	427.85	-1.02	428.87	0.998 Level 1		
14,600.00	7,074.03	14,650.11	7,066.97	215.31	219.32	89.07	-553.54	-6,871.27	426.59	-7.92	434.50	0.982 Level 1		
14,700.00	7,072.21	14,750.10	7,065.53	218.12	222.13	89.11	-556.77	-6,971.20	425.33	-14.81	440.14	0.966 Level 1		
14,800.00	7,070.40	14,850.09	7,064.09	220.93	224.95	89.16	-560.00	-7,071.13	424.07	-21.70	445.77	0.951 Level 1		
14,900.00	7,068.58	14,950.08	7,062.65	223.75	227.76	89.21	-563.23	-7,171.06	422.81	-28.60	451.40	0.937 Level 1		
15,000.00	7,066.76	15,050.07	7,061.20	226.57	230.57	89.26	-566.46	-7,270.99	421.55	-35.49	457.04	0.922 Level 1		
15,100.00	7,064.95	15,150.06	7,059.76	229.38	233.39	89.31	-569.69	-7,370.92	420.29	-42.39	462.68	0.908 Level 1		
15,200.00	7,063.13	15,250.05	7,058.32	232.20	236.20	89.36	-572.92	-7,470.84	419.03	-49.29	468.32	0.895 Level 1		
15,300.00	7,061.31	15,350.05	7,056.87	235.02	239.01	89.40	-576.15	-7,570.77	417.77	-56.19	473.96	0.881 Level 1		
15,400.00	7,059.49	15,450.04	7,055.43	237.84	241.83	89.45	-579.39	-7,670.70	416.51	-63.09	479.60	0.868 Level 1		
15,500.00	7,057.68	15,550.03	7,053.99	240.66	244.65	89.50	-582.62	-7,770.63	415.25	-69.99	485.24	0.856 Level 1		
15,600.00	7,055.86	15,650.02	7,052.54	243.48	247.46	89.55	-585.85	-7,870.56	413.99	-76.89	490.88	0.843 Level 1		
15,645.11	7,055.04	15,695.13	7,051.89	244.75	248.73	89.58	-587.30	-7,915.64	413.43	-80.00	493.43	0.838 Level 1, ES, SF		
15,647.29	7,055.00	15,687.75	7,052.00	244.81	248.53	89.57	-587.07	-7,908.27	413.51	-79.75	493.26	0.838 Level 1		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.32	44.81	4.18	45.00					
100.00	100.00	100.00	100.00	3.28	3.28	5.32	44.81	4.18	45.00	38.43	6.57	6.850		
200.00	200.00	200.00	200.00	3.34	3.34	5.32	44.81	4.18	45.00	38.33	6.67	6.743		
300.00	300.00	300.06	300.04	3.44	3.44	7.55	44.54	5.90	44.92	38.04	6.89	6.523		
303.76	303.76	303.82	303.79	3.45	3.45	-128.28	44.51	6.03	44.92	38.03	6.90	6.514	CC, ES	
400.00	399.98	399.95	399.79	3.60	3.60	-123.62	43.72	11.06	46.04	38.85	7.19	6.401		
500.00	499.84	499.63	499.08	3.79	3.80	-118.55	42.36	19.64	49.64	42.05	7.59	6.542		
600.00	599.45	599.08	597.79	4.03	4.05	-113.97	40.47	31.55	55.75	47.68	8.07	6.908		
700.00	698.70	701.26	696.55	4.30	4.33	-112.10	38.39	44.72	63.74	55.11	8.63	7.384		
790.00	787.61	788.34	785.35	4.57	4.60	-112.95	36.51	56.56	72.08	62.91	9.18	7.855		
800.00	797.47	798.28	795.21	4.60	4.64	-113.16	36.30	57.88	73.07	63.83	9.24	7.907		
900.00	896.01	902.24	893.79	4.94	4.99	-115.00	34.22	71.02	83.01	73.09	9.92	8.366		
1,000.00	994.55	1,002.77	992.37	5.30	5.35	-116.44	32.14	84.17	93.02	82.39	10.64	8.746		
1,100.00	1,093.09	1,103.30	1,090.94	5.68	5.72	-117.60	30.06	97.32	103.08	91.70	11.38	9.056		
1,200.00	1,191.63	1,203.82	1,189.52	6.08	6.11	-118.55	27.97	110.47	113.17	101.01	12.16	9.309		
1,300.00	1,290.17	1,304.35	1,288.10	6.49	6.51	-119.35	25.89	123.61	123.28	110.33	12.95	9.517		
1,400.00	1,388.71	1,404.87	1,386.68	6.91	6.92	-120.03	23.81	136.76	133.42	119.65	13.77	9.690		
1,500.00	1,487.25	1,505.40	1,485.26	7.34	7.34	-120.61	21.73	149.91	143.57	128.97	14.60	9.833		
1,600.00	1,585.79	1,605.93	1,583.84	7.77	7.76	-121.11	19.65	163.05	153.74	138.29	15.44	9.954		
1,700.00	1,684.34	1,706.45	1,682.42	8.22	8.19	-121.56	17.56	176.20	163.91	147.61	16.30	10.056		
1,800.00	1,782.88	1,806.98	1,781.00	8.66	8.62	-121.95	15.48	189.35	174.09	156.93	17.16	10.143		
1,900.00	1,881.42	1,892.49	1,879.58	9.12	8.99	-122.29	13.40	202.49	184.28	166.31	17.97	10.254		
2,000.00	1,979.96	2,008.03	1,978.16	9.57	9.49	-122.60	11.32	215.64	194.48	175.57	18.92	10.282		
2,100.00	2,078.50	2,108.56	2,076.73	10.03	9.94	-122.88	9.23	228.79	204.68	184.88	19.80	10.337		
2,200.00	2,177.04	2,209.09	2,175.31	10.49	10.38	-123.14	7.15	241.94	214.89	194.20	20.69	10.386		
2,300.00	2,275.58	2,309.61	2,273.89	10.95	10.83	-123.37	5.07	255.08	225.10	203.51	21.59	10.428		
2,400.00	2,374.12	2,389.86	2,372.47	11.42	11.18	-123.58	2.99	268.23	235.31	212.92	22.39	10.508		
2,500.00	2,472.66	2,489.33	2,471.05	11.89	11.63	-123.77	0.90	281.38	245.53	222.24	23.29	10.542		
2,600.00	2,571.20	2,588.81	2,569.63	12.36	12.08	-123.95	-1.18	294.52	255.75	231.55	24.19	10.572		
2,700.00	2,669.74	2,688.28	2,668.21	12.83	12.52	-124.11	-3.26	307.67	265.97	240.87	25.09	10.599		
2,800.00	2,768.28	2,787.76	2,766.79	13.30	12.97	-124.26	-5.34	320.82	276.19	250.19	26.00	10.623		
2,900.00	2,866.83	2,887.23	2,865.37	13.78	13.42	-124.40	-7.42	333.96	286.41	259.51	26.91	10.644		
3,000.00	2,965.37	2,986.70	2,963.94	14.25	13.88	-124.53	-9.51	347.11	296.64	268.82	27.82	10.664		
3,100.00	3,063.91	3,086.18	3,062.52	14.73	14.33	-124.66	-11.59	360.26	306.87	278.14	28.73	10.681		
3,200.00	3,162.45	3,185.65	3,161.10	15.20	14.78	-124.77	-13.67	373.41	317.10	287.45	29.64	10.697		
3,300.00	3,260.99	3,285.12	3,259.68	15.68	15.24	-124.88	-15.75	386.55	327.32	296.77	30.56	10.712		
3,400.00	3,359.53	3,384.60	3,358.26	16.16	15.69	-124.98	-17.84	399.70	337.56	306.08	31.47	10.725		
3,500.00	3,458.07	3,484.07	3,456.84	16.64	16.15	-125.07	-19.92	412.85	347.79	315.40	32.39	10.737		
3,600.00	3,556.61	3,583.54	3,555.42	17.12	16.60	-125.16	-22.00	425.99	358.02	324.71	33.31	10.748		
3,700.00	3,655.15	3,683.02	3,654.00	17.60	17.06	-125.25	-24.08	439.14	368.25	334.02	34.23	10.758		
3,800.00	3,753.69	3,782.49	3,752.58	18.08	17.51	-125.33	-26.16	452.29	378.49	343.34	35.15	10.767		
3,900.00	3,852.23	3,881.96	3,851.16	18.56	17.97	-125.40	-28.25	465.43	388.72	352.65	36.07	10.776		
4,000.00	3,950.77	3,981.44	3,949.73	19.04	18.43	-125.47	-30.33	478.58	398.96	361.96	37.00	10.784		
4,100.00	4,049.31	4,080.91	4,048.31	19.52	18.89	-125.54	-32.41	491.73	409.20	371.28	37.92	10.791		
4,200.00	4,147.86	4,180.39	4,146.89	20.00	19.35	-125.61	-34.49	504.88	419.43	380.59	38.84	10.798		
4,300.00	4,246.40	4,279.86	4,245.47	20.49	19.80	-125.67	-36.58	518.02	429.67	389.90	39.77	10.804		
4,400.00	4,344.94	4,379.33	4,344.05	20.97	20.26	-125.73	-38.66	531.17	439.91	399.21	40.69	10.810		
4,500.00	4,443.48	4,478.81	4,442.63	21.45	20.72	-125.78	-40.74	544.32	450.15	408.53	41.62	10.816		
4,600.00	4,542.02	4,578.28	4,541.21	21.94	21.18	-125.84	-42.82	557.46	460.38	417.84	42.55	10.821		
4,700.00	4,640.56	4,677.75	4,639.79	22.42	21.64	-125.89	-44.91	570.61	470.62	427.15	43.47	10.826		
4,800.00	4,739.10	4,777.23	4,738.37	22.91	22.10	-125.94	-46.99	583.76	480.86	436.46	44.40	10.830		
4,900.00	4,837.64	4,876.70	4,836.95	23.39	22.56	-125.99	-49.07	596.90	491.10	445.77	45.33	10.834		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,936.18	4,976.17	4,935.52	23.87	23.02	-126.03	-51.15	610.05	501.34	455.09	46.26	10.838		
5,100.00	5,034.72	5,075.65	5,034.10	24.36	23.48	-126.07	-53.23	623.20	511.58	464.40	47.19	10.842		
5,200.00	5,133.26	5,175.12	5,132.68	24.84	23.94	-126.12	-55.32	636.35	521.82	473.71	48.11	10.845		
5,300.00	5,231.80	5,274.59	5,231.26	25.33	24.41	-126.16	-57.40	649.49	532.06	483.02	49.04	10.849		
5,400.00	5,330.34	5,374.07	5,329.84	25.82	24.87	-126.20	-59.48	662.64	542.31	492.33	49.97	10.852		
5,500.00	5,428.89	5,473.54	5,428.42	26.30	25.33	-126.23	-61.56	675.79	552.55	501.64	50.90	10.855		
5,600.00	5,527.43	5,573.02	5,527.00	26.79	25.79	-126.27	-63.65	688.93	562.79	510.95	51.83	10.857		
5,700.00	5,625.97	5,672.49	5,625.58	27.27	26.25	-126.30	-65.73	702.08	573.03	520.26	52.77	10.860		
5,800.00	5,724.51	5,771.96	5,724.16	27.76	26.71	-126.34	-67.81	715.23	583.27	529.58	53.70	10.862		
5,900.00	5,823.05	5,871.44	5,822.73	28.24	27.18	-126.37	-69.89	728.37	593.51	538.89	54.63	10.865		
6,000.00	5,921.59	5,970.91	5,921.31	28.73	27.64	-126.40	-71.98	741.52	603.76	548.20	55.56	10.867		
6,100.00	6,020.13	6,070.38	6,019.89	29.22	28.10	-126.43	-74.06	754.67	614.00	557.51	56.49	10.869		
6,200.00	6,118.67	6,169.86	6,118.47	29.70	28.56	-126.46	-76.14	767.82	624.24	566.82	57.42	10.871		
6,300.00	6,217.21	6,269.33	6,217.05	30.19	29.02	-126.49	-78.22	780.96	634.48	576.13	58.36	10.873		
6,400.00	6,315.75	6,364.24	6,331.37	30.68	29.53	-126.95	-80.82	791.21	643.95	584.59	59.36	10.847		
6,500.00	6,414.29	6,502.76	6,449.25	31.16	29.97	-129.19	-84.26	781.12	650.45	590.23	60.22	10.801		
6,582.51	6,495.60	6,591.79	6,535.42	31.57	30.30	-132.05	-87.31	759.26	654.77	593.93	60.84	10.762		
6,600.00	6,512.86	6,609.51	6,552.16	31.65	30.36	-140.32	-87.96	753.48	655.76	594.79	60.97	10.756		
6,650.00	6,562.39	6,658.95	6,597.93	31.88	30.55	-172.85	-89.83	734.94	659.01	597.70	61.31	10.748		
6,700.00	6,611.96	6,706.73	6,640.67	32.08	30.74	152.20	-91.73	713.68	662.90	601.26	61.64	10.755		
6,750.00	6,661.26	6,753.04	6,680.46	32.27	30.93	129.42	-93.63	690.08	667.36	605.43	61.94	10.775		
6,800.00	6,709.99	6,798.04	6,717.38	32.44	31.12	116.10	-95.54	664.44	672.34	610.13	62.21	10.807		
6,850.00	6,757.84	6,841.86	6,751.50	32.61	31.32	107.54	-97.44	637.02	677.75	615.29	62.46	10.851		
6,900.00	6,804.53	6,884.64	6,782.91	32.77	31.53	101.45	-99.32	608.05	683.52	620.83	62.68	10.904		
6,950.00	6,849.77	6,926.48	6,811.68	32.92	31.75	96.76	-101.19	577.74	689.55	626.67	62.88	10.966		
7,000.00	6,893.27	6,967.49	6,837.88	33.07	31.99	92.95	-103.03	546.25	695.75	632.69	63.05	11.034		
7,050.00	6,934.77	7,007.75	6,861.58	33.23	32.24	89.75	-104.84	513.77	702.03	638.82	63.21	11.106		
7,100.00	6,974.01	7,047.34	6,882.83	33.39	32.51	87.00	-106.62	480.42	708.30	644.94	63.37	11.178		
7,150.00	7,010.75	7,086.34	6,901.70	33.55	32.80	84.59	-108.37	446.34	714.49	650.95	63.53	11.246		
7,200.00	7,044.77	7,124.80	6,918.23	33.72	33.11	82.46	-110.07	411.67	720.49	656.77	63.72	11.307		
7,250.00	7,075.85	7,162.78	6,932.47	33.92	33.43	80.58	-111.74	376.50	726.25	662.30	63.94	11.357		
7,300.00	7,103.80	7,200.00	6,944.36	34.13	33.77	78.92	-113.35	341.27	731.67	667.46	64.21	11.394		
7,350.00	7,128.45	7,237.51	6,954.24	34.38	34.15	77.44	-114.93	305.12	736.70	672.13	64.56	11.410		
7,400.00	7,149.65	7,274.36	6,961.85	34.67	34.53	76.15	-116.46	269.11	741.27	676.29	64.98	11.407		
7,450.00	7,167.26	7,310.90	6,967.33	35.00	34.93	75.03	-117.93	233.02	745.33	679.84	65.49	11.381		
7,500.00	7,181.19	7,350.00	6,970.89	35.38	35.37	74.05	-119.45	194.12	748.84	682.74	66.10	11.329		
7,550.00	7,191.34	7,383.23	6,972.04	35.81	35.77	73.29	-120.71	160.93	751.72	684.95	66.77	11.258		
7,600.00	7,197.65	7,427.62	6,971.60	36.28	36.33	72.62	-122.33	116.57	753.80	686.16	67.63	11.145		
7,650.00	7,200.08	7,477.52	6,970.94	36.80	36.99	72.31	-124.15	66.72	754.34	685.64	68.70	10.981		
7,667.87	7,200.00	7,504.62	6,970.71	36.99	37.35	72.31	-124.80	48.86	754.13	684.90	69.24	10.892		
7,700.00	7,199.42	7,527.51	6,970.29	37.35	37.69	72.31	-125.97	16.76	753.57	683.64	69.93	10.776		
7,800.00	7,197.60	7,627.49	6,968.97	38.62	39.21	72.31	-129.61	-83.15	751.83	679.17	72.67	10.347		
7,900.00	7,195.78	7,727.48	6,967.66	40.06	40.87	72.31	-133.26	-183.06	750.09	674.40	75.69	9.910		
8,000.00	7,193.97	7,827.46	6,966.34	41.66	42.66	72.31	-136.90	-282.97	748.35	669.36	78.98	9.475		
8,100.00	7,192.15	7,927.45	6,965.03	43.40	44.56	72.30	-140.55	-382.88	746.60	664.10	82.50	9.050		
8,200.00	7,190.33	8,027.43	6,963.71	45.25	46.56	72.30	-144.19	-482.79	744.86	658.64	86.22	8.639		
8,300.00	7,188.51	8,127.42	6,962.40	47.20	48.64	72.30	-147.84	-582.70	743.12	652.99	90.12	8.246		
8,400.00	7,186.70	8,227.40	6,961.09	49.25	50.79	72.30	-151.48	-682.60	741.37	647.20	94.18	7.872		
8,500.00	7,184.88	8,327.39	6,959.77	51.37	53.01	72.29	-155.13	-782.51	739.63	641.27	98.36	7.519		
8,600.00	7,183.06	8,427.37	6,958.46	53.56	55.28	72.29	-158.77	-882.42	737.89	635.21	102.67	7.187		
8,700.00	7,181.24	8,527.35	6,957.14	55.81	57.61	72.29	-162.41	-982.33	736.14	629.06	107.09	6.874		
8,800.00	7,179.43	8,627.34	6,955.83	58.11	59.98	72.29	-166.06	-1,082.24	734.40	622.81	111.59	6.581		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	8,727.32	6,954.51	60.46	62.39	72.28	-169.70	-1,182.15	732.66	616.48	116.18	6.306		
9,000.00	7,175.79	8,827.31	6,953.20	62.85	64.84	72.28	-173.35	-1,282.06	730.92	610.08	120.84	6.049		
9,100.00	7,173.98	8,927.29	6,951.88	65.28	67.31	72.28	-176.99	-1,381.97	729.17	603.61	125.56	5.807		
9,200.00	7,172.16	9,027.28	6,950.57	67.74	69.82	72.28	-180.64	-1,481.88	727.43	597.09	130.34	5.581		
9,300.00	7,170.34	9,127.26	6,949.25	70.23	72.35	72.28	-184.28	-1,581.79	725.69	590.52	135.17	5.369		
9,400.00	7,168.52	9,227.25	6,947.94	72.74	74.90	72.27	-187.93	-1,681.70	723.94	583.90	140.05	5.169		
9,500.00	7,166.71	9,327.23	6,946.63	75.28	77.47	72.27	-191.57	-1,781.61	722.20	577.24	144.96	4.982		
9,600.00	7,164.89	9,427.22	6,945.31	77.84	80.06	72.27	-195.21	-1,881.52	720.46	570.54	149.92	4.806		
9,700.00	7,163.07	9,527.20	6,944.00	80.43	82.67	72.27	-198.86	-1,981.43	718.72	563.81	154.91	4.640		
9,800.00	7,161.26	9,627.19	6,942.68	83.02	85.29	72.26	-202.50	-2,081.34	716.97	557.05	159.93	4.483		
9,900.00	7,159.44	9,727.17	6,941.37	85.64	87.92	72.26	-206.15	-2,181.25	715.23	550.26	164.97	4.335		
10,000.00	7,157.62	9,827.16	6,940.05	88.27	90.57	72.26	-209.79	-2,281.16	713.49	543.44	170.04	4.196		
10,100.00	7,155.80	9,927.14	6,938.74	90.91	93.23	72.26	-213.44	-2,381.07	711.74	536.61	175.14	4.064		
10,200.00	7,153.99	10,027.13	6,937.42	93.56	95.90	72.25	-217.08	-2,480.98	710.00	529.75	180.25	3.939		
10,300.00	7,152.17	10,127.11	6,936.11	96.23	98.58	72.25	-220.73	-2,580.89	708.26	522.87	185.39	3.820		
10,400.00	7,150.35	10,227.10	6,934.80	98.90	101.27	72.25	-224.37	-2,680.80	706.51	515.98	190.54	3.708		
10,500.00	7,148.54	10,327.08	6,933.48	101.59	103.96	72.25	-228.01	-2,780.71	704.77	509.07	195.70	3.601		
10,600.00	7,146.72	10,427.07	6,932.17	104.28	106.67	72.24	-231.66	-2,880.62	703.03	502.14	200.89	3.500		
10,700.00	7,144.90	10,527.05	6,930.85	106.98	109.38	72.24	-235.30	-2,980.53	701.29	495.20	206.08	3.403		
10,800.00	7,143.08	10,627.04	6,929.54	109.69	112.10	72.24	-238.95	-3,080.44	699.54	488.25	211.29	3.311		
10,900.00	7,141.27	10,727.02	6,928.22	112.41	114.82	72.24	-242.59	-3,180.35	697.80	481.29	216.51	3.223		
11,000.00	7,139.45	10,827.01	6,926.91	115.13	117.55	72.23	-246.24	-3,280.26	696.06	474.31	221.74	3.139		
11,100.00	7,137.63	10,926.99	6,925.59	117.86	120.28	72.23	-249.88	-3,380.17	694.31	467.33	226.99	3.059		
11,200.00	7,135.82	11,026.98	6,924.28	120.59	123.02	72.23	-253.53	-3,480.08	692.57	460.33	232.24	2.982		
11,300.00	7,134.00	11,126.96	6,922.97	123.33	125.77	72.23	-257.17	-3,579.99	690.83	453.33	237.50	2.909		
11,400.00	7,132.18	11,226.94	6,921.65	126.07	128.51	72.22	-260.82	-3,679.90	689.09	446.32	242.77	2.838		
11,500.00	7,130.36	11,326.93	6,920.34	128.82	131.26	72.22	-264.46	-3,779.81	687.34	439.30	248.04	2.771		
11,600.00	7,128.55	11,426.91	6,919.02	131.57	134.02	72.22	-268.10	-3,879.72	685.60	432.27	253.33	2.706		
11,700.00	7,126.73	11,526.90	6,917.71	134.33	136.78	72.22	-271.75	-3,979.63	683.86	425.24	258.62	2.644		
11,800.00	7,124.91	11,626.88	6,916.39	137.09	139.54	72.21	-275.39	-4,079.54	682.11	418.20	263.91	2.585		
11,900.00	7,123.10	11,726.87	6,915.08	139.85	142.31	72.21	-279.04	-4,179.44	680.37	411.15	269.22	2.527		
12,000.00	7,121.28	11,826.85	6,913.76	142.62	145.08	72.21	-282.68	-4,279.35	678.63	404.10	274.53	2.472		
12,100.00	7,119.46	11,926.84	6,912.45	145.39	147.85	72.21	-286.33	-4,379.26	676.89	397.05	279.84	2.419		
12,200.00	7,117.64	12,026.82	6,911.14	148.16	150.62	72.20	-289.97	-4,479.17	675.14	389.99	285.16	2.368		
12,300.00	7,115.83	12,126.81	6,909.82	150.94	153.40	72.20	-293.62	-4,579.08	673.40	382.92	290.48	2.318		
12,400.00	7,114.01	12,226.79	6,908.51	153.72	156.18	72.20	-297.26	-4,678.99	671.66	375.85	295.81	2.271		
12,500.00	7,112.19	12,326.78	6,907.19	156.50	158.96	72.19	-300.90	-4,778.90	669.91	368.77	301.14	2.225		
12,600.00	7,110.37	12,426.76	6,905.88	159.28	161.74	72.19	-304.55	-4,878.81	668.17	361.69	306.48	2.180		
12,700.00	7,108.56	12,526.75	6,904.56	162.07	164.52	72.19	-308.19	-4,978.72	666.43	354.61	311.82	2.137		
12,800.00	7,106.74	12,626.73	6,903.25	164.86	167.31	72.19	-311.84	-5,078.63	664.68	347.53	317.16	2.096		
12,900.00	7,104.92	12,726.72	6,901.93	167.65	170.10	72.18	-315.48	-5,178.54	662.94	340.44	322.50	2.056		
13,000.00	7,103.11	12,826.70	6,900.62	170.44	172.89	72.18	-319.13	-5,278.45	661.20	333.34	327.85	2.017		
13,100.00	7,101.29	12,926.69	6,899.31	173.23	175.68	72.18	-322.77	-5,378.36	659.46	326.25	333.21	1.979		
13,200.00	7,099.47	13,026.67	6,897.99	176.03	178.48	72.17	-326.42	-5,478.27	657.71	319.15	338.56	1.943		
13,300.00	7,097.65	13,126.66	6,896.68	178.82	181.27	72.17	-330.06	-5,578.18	655.97	312.05	343.92	1.907		
13,400.00	7,095.84	13,226.64	6,895.36	181.62	184.07	72.17	-333.70	-5,678.09	654.23	304.95	349.28	1.873		
13,500.00	7,094.02	13,326.63	6,894.05	184.42	186.86	72.17	-337.35	-5,778.00	652.48	297.84	354.65	1.840		
13,600.00	7,092.20	13,426.61	6,892.73	187.22	189.66	72.16	-340.99	-5,877.91	650.74	290.73	360.01	1.808		
13,700.00	7,090.39	13,526.60	6,891.42	190.03	192.46	72.16	-344.64	-5,977.82	649.00	283.62	365.38	1.776		
13,800.00	7,088.57	13,626.58	6,890.10	192.83	195.27	72.16	-348.28	-6,077.73	647.26	276.51	370.75	1.746		
13,900.00	7,086.75	13,726.56	6,888.79	195.64	198.07	72.15	-351.93	-6,177.64	645.51	269.39	376.12	1.716		
14,000.00	7,084.93	13,826.55	6,887.48	198.44	200.87	72.15	-355.57	-6,277.55	643.77	262.28	381.49	1.687		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,083.12	13,926.53	6,886.16	201.25	203.68	72.15	-359.22	-6,377.46	642.03	255.16	386.87	1.660		
14,200.00	7,081.30	14,026.52	6,884.85	204.06	206.48	72.15	-362.86	-6,477.37	640.28	248.04	392.25	1.632		
14,300.00	7,079.48	14,126.50	6,883.53	206.87	209.29	72.14	-366.51	-6,577.28	638.54	240.91	397.63	1.606		
14,400.00	7,077.67	14,226.49	6,882.22	209.68	212.10	72.14	-370.15	-6,677.19	636.80	233.79	403.01	1.580		
14,500.00	7,075.85	14,326.47	6,880.90	212.49	214.91	72.14	-373.79	-6,777.10	635.06	226.67	408.39	1.555		
14,600.00	7,074.03	14,426.46	6,879.59	215.31	217.72	72.13	-377.44	-6,877.01	633.31	219.54	413.77	1.531		
14,700.00	7,072.21	14,526.44	6,878.27	218.12	220.53	72.13	-381.08	-6,976.92	631.57	212.41	419.16	1.507		
14,800.00	7,070.40	14,626.43	6,876.96	220.93	223.34	72.13	-384.73	-7,076.83	629.83	205.28	424.55	1.484 Level 3		
14,900.00	7,068.58	14,726.41	6,875.65	223.75	226.15	72.12	-388.37	-7,176.74	628.08	198.15	429.93	1.461 Level 3		
15,000.00	7,066.76	14,826.40	6,874.33	226.57	228.96	72.12	-392.02	-7,276.65	626.34	191.02	435.32	1.439 Level 3		
15,100.00	7,064.95	14,926.38	6,873.02	229.38	231.78	72.12	-395.66	-7,376.56	624.60	183.89	440.71	1.417 Level 3		
15,200.00	7,063.13	15,026.37	6,871.70	232.20	234.59	72.11	-399.31	-7,476.47	622.86	176.75	446.10	1.396 Level 3		
15,300.00	7,061.31	15,126.35	6,870.39	235.02	237.40	72.11	-402.95	-7,576.38	621.11	169.62	451.50	1.376 Level 3		
15,400.00	7,059.49	15,226.34	6,869.07	237.84	240.22	72.11	-406.59	-7,676.29	619.37	162.48	456.89	1.356 Level 3		
15,500.00	7,057.68	15,326.32	6,867.76	240.66	243.03	72.10	-410.24	-7,776.19	617.63	155.34	462.28	1.336 Level 3		
15,600.00	7,055.86	15,426.31	6,866.44	243.48	245.85	72.10	-413.88	-7,876.10	615.88	148.21	467.68	1.317 Level 3		
15,645.16	7,055.04	15,460.74	6,865.99	244.75	246.82	72.10	-415.14	-7,910.51	615.19	145.35	469.84	1.309 Level 3		
15,647.29	7,055.00	15,460.74	6,865.99	244.81	246.82	72.10	-415.14	-7,910.51	615.19	145.31	469.89	1.309 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6.00	164.30	17.26	165.20					
100.00	100.00	100.00	100.00	3.28	3.28	6.00	164.30	17.26	165.20	158.63	6.57	25.147		
200.00	200.00	200.00	200.00	3.34	3.34	6.00	164.30	17.26	165.20	158.53	6.67	24.752		
300.00	300.00	300.00	300.00	3.44	3.44	6.00	164.30	17.26	165.20	158.31	6.89	23.977 CC, ES		
400.00	399.98	394.53	394.51	3.60	3.59	-130.48	165.85	17.15	167.95	160.75	7.20	23.327		
500.00	499.84	488.49	488.36	3.79	3.78	-131.83	170.48	16.83	176.28	168.68	7.60	23.182 SF		
600.00	599.45	581.33	580.88	4.03	4.01	-133.78	178.07	16.31	190.34	182.25	8.09	23.532		
700.00	698.70	672.52	671.47	4.30	4.26	-136.03	188.42	15.59	210.28	201.65	8.63	24.361		
790.00	787.61	752.77	750.89	4.57	4.50	-138.08	199.92	14.79	233.34	224.18	9.16	25.484		
800.00	797.47	761.57	759.58	4.60	4.52	-138.34	201.31	14.70	236.18	226.96	9.22	25.617		
900.00	896.01	855.51	852.23	4.94	4.82	-140.78	216.75	13.63	265.47	255.65	9.82	27.041		
1,000.00	994.55	950.54	945.96	5.30	5.14	-142.77	232.39	12.54	295.15	284.71	10.44	28.259		
1,100.00	1,093.09	1,045.58	1,039.70	5.68	5.48	-144.39	248.04	11.46	325.10	313.99	11.11	29.260		
1,200.00	1,191.63	1,140.62	1,133.43	6.08	5.83	-145.74	263.69	10.38	355.25	343.45	11.80	30.095		
1,300.00	1,290.17	1,235.66	1,227.17	6.49	6.20	-146.88	279.34	9.30	385.55	373.03	12.52	30.791		
1,400.00	1,388.71	1,330.70	1,320.90	6.91	6.58	-147.85	294.99	8.21	415.98	402.72	13.26	31.375		
1,500.00	1,487.25	1,425.74	1,414.64	7.34	6.96	-148.69	310.64	7.13	446.49	432.48	14.01	31.866		
1,600.00	1,585.79	1,520.78	1,508.37	7.77	7.35	-149.43	326.29	6.05	477.08	462.30	14.78	32.282		
1,700.00	1,684.34	1,615.81	1,602.11	8.22	7.75	-150.07	341.93	4.96	507.74	492.18	15.56	32.635		
1,800.00	1,782.88	1,710.85	1,695.84	8.66	8.16	-150.64	357.58	3.88	538.44	522.10	16.35	32.936		
1,900.00	1,881.42	1,805.89	1,789.58	9.12	8.56	-151.16	373.23	2.80	569.19	552.05	17.15	33.195		
2,000.00	1,979.96	1,900.93	1,883.32	9.57	8.97	-151.61	388.88	1.71	599.98	582.03	17.95	33.419		
2,100.00	2,078.50	2,004.03	1,977.05	10.03	9.42	-152.03	404.53	0.63	630.80	612.00	18.80	33.551		
2,200.00	2,177.04	2,108.99	2,070.79	10.49	9.88	-152.40	420.18	-0.45	661.64	641.98	19.66	33.649		
2,300.00	2,275.58	2,186.05	2,164.52	10.95	10.22	-152.74	435.82	-1.54	692.51	672.10	20.41	33.930		
2,400.00	2,374.12	2,281.08	2,258.26	11.42	10.65	-153.06	451.47	-2.62	723.40	702.16	21.24	34.061		
2,500.00	2,472.66	2,376.12	2,351.99	11.89	11.07	-153.34	467.12	-3.70	754.31	732.24	22.07	34.176		
2,600.00	2,571.20	2,471.16	2,445.73	12.36	11.49	-153.61	482.77	-4.79	785.23	762.32	22.91	34.277		
2,700.00	2,669.74	2,566.20	2,539.46	12.83	11.92	-153.85	498.42	-5.87	816.17	792.42	23.75	34.368		
2,800.00	2,768.28	2,661.24	2,633.20	13.30	12.35	-154.08	514.07	-6.95	847.12	822.53	24.59	34.449		
2,900.00	2,866.83	2,756.28	2,726.93	13.78	12.78	-154.29	529.71	-8.04	878.08	852.64	25.44	34.521		
3,000.00	2,965.37	2,851.32	2,820.67	14.25	13.21	-154.49	545.36	-9.12	909.05	882.77	26.28	34.586		
3,100.00	3,063.91	2,946.35	2,914.40	14.73	13.64	-154.67	561.01	-10.20	940.03	912.90	27.13	34.644		
3,200.00	3,162.45	3,041.39	3,008.14	15.20	14.07	-154.84	576.66	-11.29	971.02	943.03	27.99	34.697		
3,300.00	3,260.99	3,136.43	3,101.87	15.68	14.50	-155.00	592.31	-12.37	1,002.01	973.17	28.84	34.745		
3,400.00	3,359.53	3,231.47	3,195.61	16.16	14.94	-155.16	607.96	-13.45	1,033.01	1,003.32	29.69	34.788		
3,500.00	3,458.07	3,326.51	3,289.34	16.64	15.37	-155.30	623.61	-14.54	1,064.02	1,033.47	30.55	34.827		
3,600.00	3,556.61	3,421.55	3,383.08	17.12	15.81	-155.43	639.25	-15.62	1,095.04	1,063.63	31.41	34.863		
3,700.00	3,655.15	3,516.59	3,476.81	17.60	16.24	-155.56	654.90	-16.70	1,126.06	1,093.79	32.27	34.896		
3,800.00	3,753.69	3,611.62	3,570.55	18.08	16.68	-155.68	670.55	-17.79	1,157.08	1,123.95	33.13	34.926		
3,900.00	3,852.23	3,706.66	3,664.28	18.56	17.11	-155.79	686.20	-18.87	1,188.11	1,154.12	33.99	34.953		
4,000.00	3,950.77	3,801.70	3,758.02	19.04	17.55	-155.90	701.85	-19.95	1,219.14	1,184.28	34.85	34.978		
4,100.00	4,049.31	3,903.26	3,851.75	19.52	18.02	-156.01	717.50	-21.04	1,250.17	1,214.43	35.75	34.972		
4,200.00	4,147.86	3,991.78	3,945.49	20.00	18.43	-156.10	733.14	-22.12	1,281.21	1,244.63	36.58	35.022		
4,300.00	4,246.40	4,086.82	4,039.22	20.49	18.86	-156.20	748.79	-23.20	1,312.26	1,274.81	37.45	35.042		
4,400.00	4,344.94	4,181.86	4,132.96	20.97	19.30	-156.29	764.44	-24.29	1,343.30	1,304.99	38.31	35.060		
4,500.00	4,443.48	4,276.90	4,226.70	21.45	19.74	-156.37	780.09	-25.37	1,374.35	1,335.17	39.18	35.077		
4,600.00	4,542.02	4,371.93	4,320.43	21.94	20.18	-156.45	795.74	-26.45	1,405.40	1,365.35	40.05	35.092		
4,700.00	4,640.56	4,466.97	4,414.17	22.42	20.62	-156.53	811.39	-27.54	1,436.45	1,395.54	40.92	35.107		
4,800.00	4,739.10	4,562.01	4,507.90	22.91	21.06	-156.60	827.04	-28.62	1,467.51	1,425.72	41.79	35.120		
4,900.00	4,837.64	4,657.05	4,601.64	23.39	21.50	-156.67	842.68	-29.70	1,498.57	1,455.91	42.66	35.132		
5,000.00	4,936.18	4,752.09	4,695.37	23.87	21.94	-156.74	858.33	-30.79	1,529.63	1,486.10	43.53	35.143		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
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Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	4,847.13	4,789.11	24.36	22.38	-156.81	873.98	-31.87	1,560.69	1,516.29	44.40	35.154		
5,200.00	5,133.26	4,942.17	4,882.84	24.84	22.82	-156.87	889.63	-32.95	1,591.75	1,546.49	45.27	35.164		
5,300.00	5,231.80	5,037.20	4,976.58	25.33	23.26	-156.93	905.28	-34.04	1,622.82	1,576.68	46.14	35.173		
5,400.00	5,330.34	5,132.24	5,070.31	25.82	23.70	-156.99	920.93	-35.12	1,653.88	1,606.87	47.01	35.182		
5,500.00	5,428.89	5,227.28	5,164.05	26.30	24.14	-157.05	936.57	-36.20	1,684.95	1,637.07	47.88	35.189		
5,600.00	5,527.43	5,322.32	5,257.78	26.79	24.58	-157.10	952.22	-37.29	1,716.02	1,667.27	48.76	35.197		
5,700.00	5,625.97	5,417.36	5,351.52	27.27	25.03	-157.15	967.87	-38.37	1,747.09	1,697.47	49.63	35.204		
5,800.00	5,724.51	5,512.40	5,445.25	27.76	25.47	-157.20	983.52	-39.45	1,778.17	1,727.66	50.50	35.210		
5,900.00	5,823.05	5,607.44	5,538.99	28.24	25.91	-157.25	999.17	-40.54	1,809.24	1,757.86	51.38	35.216		
6,000.00	5,921.59	5,702.47	5,632.72	28.73	26.35	-157.30	1,014.82	-41.62	1,840.31	1,788.06	52.25	35.222		
6,100.00	6,020.13	5,802.49	5,726.46	29.22	26.82	-157.35	1,030.46	-42.70	1,871.39	1,818.24	53.15	35.212		
6,200.00	6,118.67	5,907.45	5,820.19	29.70	27.30	-157.39	1,046.11	-43.79	1,902.47	1,848.40	54.07	35.187		
6,300.00	6,217.21	5,987.59	5,913.93	30.19	27.68	-157.43	1,061.76	-44.87	1,933.54	1,878.67	54.87	35.236		
6,400.00	6,315.75	6,082.63	6,007.66	30.68	28.12	-157.47	1,077.41	-45.95	1,964.62	1,908.87	55.75	35.240		
6,500.00	6,414.29	7,383.45	6,831.14	31.16	36.10	-137.37	1,216.67	691.87	1,990.05	1,925.93	64.12	31.037		
6,582.51	6,495.60	7,406.00	6,831.25	31.57	36.41	-137.07	1,216.72	702.42	1,984.64	1,919.23	65.40	30.344		
6,600.00	6,512.86	7,404.00	6,831.27	31.65	36.38	-144.46	1,216.72	704.42	1,983.92	1,918.35	65.57	30.257		
6,650.00	6,562.39	7,400.93	6,831.30	31.88	36.33	-174.67	1,216.74	707.49	1,982.76	1,916.72	66.04	30.022		
6,668.91	6,581.15	7,400.79	6,831.30	31.95	36.33	172.01	1,216.74	707.63	1,982.67	1,916.44	66.22	29.940		
6,700.00	6,611.96	7,401.78	6,831.29	32.08	36.35	152.45	1,216.73	706.64	1,982.92	1,916.40	66.52	29.809		
6,750.00	6,661.26	7,406.55	6,831.24	32.27	36.42	131.46	1,216.71	701.87	1,984.40	1,917.39	67.00	29.616		
6,800.00	6,709.99	7,384.79	6,831.15	32.44	36.12	119.66	1,216.68	693.22	1,987.15	1,920.08	67.07	29.629		
6,850.00	6,757.84	7,372.30	6,831.03	32.61	35.95	112.37	1,216.63	680.72	1,991.10	1,923.88	67.22	29.621		
6,900.00	6,804.53	7,356.05	6,830.86	32.77	35.73	107.28	1,216.56	664.47	1,996.16	1,928.88	67.28	29.670		
6,950.00	6,849.77	7,336.14	6,830.65	32.92	35.46	103.36	1,216.48	644.56	2,002.18	1,934.93	67.25	29.772		
7,000.00	6,893.27	7,312.69	6,830.41	33.07	35.15	100.10	1,216.38	621.12	2,009.02	1,941.88	67.14	29.922		
7,050.00	6,934.77	7,285.86	6,830.13	33.23	34.80	97.25	1,216.27	594.28	2,016.51	1,949.53	66.98	30.105		
7,100.00	6,974.01	7,248.42	6,829.28	33.39	34.36	94.51	1,216.04	556.86	2,024.43	1,957.73	66.70	30.353		
7,150.00	7,010.75	7,206.75	6,825.91	33.55	33.88	91.94	1,215.38	515.34	2,032.48	1,966.12	66.37	30.625		
7,200.00	7,044.77	7,167.36	6,820.27	33.72	33.46	89.62	1,214.34	476.37	2,040.56	1,974.48	66.09	30.878		
7,250.00	7,075.85	7,129.77	6,812.69	33.92	33.07	87.51	1,212.99	439.59	2,048.57	1,982.72	65.85	31.110		
7,300.00	7,103.80	7,093.65	6,803.39	34.13	32.72	85.59	1,211.35	404.73	2,056.42	1,990.75	65.66	31.318		
7,350.00	7,128.45	7,058.75	6,792.57	34.38	32.41	83.83	1,209.47	371.61	2,064.01	1,998.47	65.54	31.495		
7,400.00	7,149.65	7,024.87	6,780.37	34.67	32.12	82.22	1,207.35	340.07	2,071.26	2,005.79	65.47	31.637		
7,450.00	7,167.26	6,991.85	6,766.90	35.00	31.86	80.75	1,205.03	310.02	2,078.08	2,012.61	65.46	31.744		
7,500.00	7,181.19	6,959.57	6,752.27	35.38	31.63	79.43	1,202.52	281.36	2,084.38	2,018.86	65.52	31.811		
7,550.00	7,191.34	6,927.95	6,736.56	35.81	31.41	78.24	1,199.83	254.05	2,090.10	2,024.45	65.65	31.838		
7,600.00	7,197.65	6,896.89	6,719.85	36.28	31.21	77.19	1,196.98	228.04	2,095.16	2,029.33	65.83	31.827		
7,650.00	7,200.08	6,866.34	6,702.21	36.80	31.10	76.28	1,193.98	203.28	2,099.49	2,033.41	66.07	31.776		
7,667.87	7,200.00	6,855.54	6,695.69	36.99	31.08	75.99	1,192.87	194.73	2,100.84	2,034.68	66.17	31.750		
7,700.00	7,199.42	6,836.60	6,683.93	37.35	31.04	75.68	1,190.87	180.02	2,103.32	2,036.95	66.37	31.692		
7,800.00	7,197.60	6,783.03	6,648.38	38.62	30.91	74.72	1,184.84	140.42	2,112.81	2,045.67	67.14	31.468		
7,900.00	7,195.78	6,736.82	6,615.17	40.06	30.79	73.83	1,179.22	108.81	2,125.26	2,057.15	68.11	31.205		
8,000.00	7,193.97	6,700.00	6,587.14	41.66	30.69	73.07	1,174.48	85.41	2,140.96	2,071.70	69.26	30.913		
8,100.00	7,192.15	6,662.48	6,557.26	43.40	30.57	72.27	1,169.44	63.30	2,160.09	2,089.64	70.45	30.661		
8,200.00	7,190.33	6,632.52	6,532.50	45.25	30.47	71.61	1,165.27	46.96	2,182.78	2,111.02	71.76	30.418		
8,300.00	7,188.51	6,600.00	6,504.81	47.20	30.36	70.87	1,160.60	30.57	2,209.10	2,136.06	73.04	30.246		
8,400.00	7,186.70	6,583.39	6,490.35	49.25	30.30	70.49	1,158.17	22.76	2,238.98	2,164.49	74.49	30.056		
8,500.00	7,184.88	6,563.11	6,472.44	51.37	30.23	70.01	1,155.16	13.75	2,272.44	2,196.57	75.87	29.951		
8,600.00	7,183.06	6,550.00	6,460.71	53.56	30.18	69.70	1,153.19	8.23	2,309.38	2,232.10	77.29	29.881		
8,700.00	7,181.24	6,529.06	6,441.75	55.81	30.10	69.20	1,150.00	-0.07	2,349.67	2,271.12	78.55	29.913		
8,800.00	7,179.43	6,514.66	6,428.56	58.11	30.05	68.85	1,147.79	-5.41	2,393.22	2,313.39	79.83	29.980		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	6,500.00	6,415.02	60.46	29.99	68.49	1,145.51	-10.53	2,439.88	2,358.85	81.03	30.111		
9,000.00	7,175.79	6,500.00	6,415.02	62.85	29.99	68.49	1,145.51	-10.53	2,489.57	2,407.24	82.33	30.239		
9,100.00	7,173.98	6,479.30	6,395.70	65.28	29.91	67.98	1,142.27	-17.23	2,541.95	2,458.63	83.31	30.510		
9,200.00	7,172.16	6,469.57	6,386.55	67.74	29.87	67.74	1,140.74	-20.15	2,597.05	2,512.70	84.35	30.789		
9,300.00	7,170.34	6,450.00	6,368.01	70.23	29.79	67.26	1,137.63	-25.60	2,654.75	2,569.54	85.20	31.158		
9,400.00	7,168.52	6,450.00	6,368.01	72.74	29.79	67.26	1,137.63	-25.60	2,714.66	2,628.46	86.20	31.492		
9,500.00	7,166.71	6,450.00	6,368.01	75.28	29.79	67.26	1,137.63	-25.60	2,776.89	2,689.76	87.13	31.870		
9,600.00	7,164.89	6,450.00	6,368.01	77.84	29.79	67.26	1,137.63	-25.60	2,841.27	2,753.28	87.99	32.291		
9,700.00	7,163.07	6,431.56	6,350.41	80.43	29.71	66.80	1,134.68	-30.21	2,907.42	2,818.83	88.59	32.818		
9,800.00	7,161.26	6,425.57	6,344.66	83.02	29.69	66.65	1,133.71	-31.60	2,975.51	2,886.24	89.27	33.332		
9,900.00	7,159.44	6,419.99	6,339.29	85.64	29.66	66.51	1,132.81	-32.84	3,045.31	2,955.42	89.89	33.877		
10,000.00	7,157.62	6,400.00	6,319.99	88.27	29.58	66.01	1,129.58	-36.89	3,116.88	3,026.56	90.32	34.509		
10,100.00	7,155.80	6,400.00	6,319.99	90.91	29.58	66.01	1,129.58	-36.89	3,189.70	3,098.79	90.91	35.087		
10,200.00	7,153.99	6,400.00	6,319.99	93.56	29.58	66.01	1,129.58	-36.89	3,263.96	3,172.51	91.45	35.692		
10,300.00	7,152.17	6,400.00	6,319.99	96.23	29.58	66.01	1,129.58	-36.89	3,339.56	3,247.62	91.95	36.320		
10,400.00	7,150.35	6,400.00	6,319.99	98.90	29.58	66.01	1,129.58	-36.89	3,416.42	3,324.01	92.41	36.971		
10,500.00	7,148.54	6,400.00	6,319.99	101.59	29.58	66.01	1,129.58	-36.89	3,494.45	3,401.62	92.83	37.643		
10,600.00	7,146.72	6,400.00	6,319.99	104.28	29.58	66.01	1,129.58	-36.89	3,573.57	3,480.35	93.22	38.334		
10,700.00	7,144.90	6,400.00	6,319.99	106.98	29.58	66.01	1,129.58	-36.89	3,653.72	3,560.14	93.58	39.042		
10,800.00	7,143.08	6,400.00	6,319.99	109.69	29.58	66.01	1,129.58	-36.89	3,734.82	3,640.91	93.92	39.767		
10,900.00	7,141.27	6,379.97	6,300.53	112.41	29.49	65.51	1,126.32	-40.33	3,816.51	3,722.46	94.05	40.580		
11,000.00	7,139.45	6,377.07	6,297.70	115.13	29.48	65.43	1,125.85	-40.78	3,899.26	3,804.94	94.31	41.344		
11,100.00	7,137.63	6,374.32	6,295.02	117.86	29.46	65.36	1,125.40	-41.19	3,982.78	3,888.22	94.56	42.121		
11,200.00	7,135.82	6,371.70	6,292.47	120.59	29.45	65.30	1,124.97	-41.57	4,067.03	3,972.25	94.78	42.910		
11,300.00	7,134.00	6,350.00	6,271.23	123.33	29.36	64.75	1,121.42	-44.32	4,152.27	4,057.45	94.82	43.791		
11,400.00	7,132.18	6,350.00	6,271.23	126.07	29.36	64.75	1,121.42	-44.32	4,237.79	4,142.76	95.04	44.591		
11,500.00	7,130.36	6,350.00	6,271.23	128.82	29.36	64.75	1,121.42	-44.32	4,323.94	4,228.70	95.24	45.401		
11,600.00	7,128.55	6,350.00	6,271.23	131.57	29.36	64.75	1,121.42	-44.32	4,410.67	4,315.24	95.43	46.220		
11,700.00	7,126.73	6,350.00	6,271.23	134.33	29.36	64.75	1,121.42	-44.32	4,497.95	4,402.34	95.60	47.048		
11,800.00	7,124.91	6,350.00	6,271.23	137.09	29.36	64.75	1,121.42	-44.32	4,585.75	4,489.98	95.77	47.885		
11,900.00	7,123.10	6,350.00	6,271.23	139.85	29.36	64.75	1,121.42	-44.32	4,674.04	4,578.12	95.92	48.729		
12,000.00	7,121.28	6,350.00	6,271.23	142.62	29.36	64.75	1,121.42	-44.32	4,762.79	4,666.73	96.06	49.580		
12,100.00	7,119.46	6,350.00	6,271.23	145.39	29.36	64.75	1,121.42	-44.32	4,851.98	4,755.78	96.20	50.438		
12,200.00	7,117.64	6,350.00	6,271.23	148.16	29.36	64.75	1,121.42	-44.32	4,941.59	4,845.26	96.32	51.302		
12,300.00	7,115.83	6,350.00	6,271.23	150.94	29.36	64.75	1,121.42	-44.32	5,031.58	4,935.14	96.44	52.172		
12,400.00	7,114.01	6,350.00	6,271.23	153.72	29.36	64.75	1,121.42	-44.32	5,121.95	5,025.40	96.55	53.047		
12,500.00	7,112.19	6,350.00	6,271.23	156.50	29.36	64.75	1,121.42	-44.32	5,212.67	5,116.01	96.66	53.928		
12,600.00	7,110.37	6,350.00	6,271.23	159.28	29.36	64.75	1,121.42	-44.32	5,303.72	5,206.96	96.76	54.813		
12,700.00	7,108.56	6,350.00	6,271.23	162.07	29.36	64.75	1,121.42	-44.32	5,395.09	5,298.24	96.85	55.703		
12,800.00	7,106.74	6,350.00	6,271.23	164.86	29.36	64.75	1,121.42	-44.32	5,486.77	5,389.82	96.94	56.598		
12,900.00	7,104.92	6,350.00	6,271.23	167.65	29.36	64.75	1,121.42	-44.32	5,578.72	5,481.69	97.03	57.496		
13,000.00	7,103.11	6,350.00	6,271.23	170.44	29.36	64.75	1,121.42	-44.32	5,670.95	5,573.84	97.11	58.398		
13,100.00	7,101.29	6,350.00	6,271.23	173.23	29.36	64.75	1,121.42	-44.32	5,763.44	5,666.25	97.19	59.303		
13,200.00	7,099.47	6,350.00	6,271.23	176.03	29.36	64.75	1,121.42	-44.32	5,856.18	5,758.92	97.26	60.211		
13,300.00	7,097.65	6,350.00	6,271.23	178.82	29.36	64.75	1,121.42	-44.32	5,949.15	5,851.82	97.33	61.123		
13,400.00	7,095.84	6,350.00	6,271.23	181.62	29.36	64.75	1,121.42	-44.32	6,042.34	5,944.94	97.40	62.037		
13,500.00	7,094.02	6,350.00	6,271.23	184.42	29.36	64.75	1,121.42	-44.32	6,135.75	6,038.29	97.46	62.955		
13,600.00	7,092.20	6,350.00	6,271.23	187.22	29.36	64.75	1,121.42	-44.32	6,229.37	6,131.84	97.53	63.874		
13,700.00	7,090.39	6,350.00	6,271.23	190.03	29.36	64.75	1,121.42	-44.32	6,323.18	6,225.59	97.59	64.796		
13,800.00	7,088.57	6,350.00	6,271.23	192.83	29.36	64.75	1,121.42	-44.32	6,417.17	6,319.53	97.64	65.720		
13,900.00	7,086.75	6,350.00	6,271.23	195.64	29.36	64.75	1,121.42	-44.32	6,511.35	6,413.65	97.70	66.646		
14,000.00	7,084.93	6,350.00	6,271.23	198.44	29.36	64.75	1,121.42	-44.32	6,605.69	6,507.94	97.76	67.574		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,083.12	6,350.00	6,271.23	201.25	29.36	64.75	1,121.42	-44.32	6,700.21	6,602.40	97.81	68.503		
14,200.00	7,081.30	6,327.26	6,248.90	204.06	29.25	64.18	1,117.69	-46.41	6,794.45	6,696.76	97.69	69.548		
14,300.00	7,079.48	6,326.41	6,248.07	206.87	29.25	64.16	1,117.55	-46.47	6,889.24	6,791.50	97.74	70.486		
14,400.00	7,077.67	6,325.59	6,247.26	209.68	29.25	64.14	1,117.41	-46.53	6,984.17	6,886.38	97.78	71.425		
14,500.00	7,075.85	6,324.79	6,246.47	212.49	29.24	64.12	1,117.28	-46.59	7,079.24	6,981.41	97.83	72.365		
14,600.00	7,074.03	6,324.01	6,245.70	215.31	29.24	64.10	1,117.15	-46.64	7,174.44	7,076.57	97.87	73.307		
14,700.00	7,072.21	6,323.25	6,244.96	218.12	29.24	64.08	1,117.03	-46.69	7,269.77	7,171.86	97.91	74.249		
14,800.00	7,070.40	6,322.51	6,244.23	220.93	29.23	64.06	1,116.91	-46.74	7,365.22	7,267.27	97.95	75.192		
14,900.00	7,068.58	6,300.00	6,222.05	223.75	29.13	63.50	1,113.20	-47.85	7,461.18	7,363.35	97.83	76.266		
15,000.00	7,066.76	6,300.00	6,222.05	226.57	29.13	63.50	1,113.20	-47.85	7,556.84	7,458.97	97.88	77.208		
15,100.00	7,064.95	6,300.00	6,222.05	229.38	29.13	63.50	1,113.20	-47.85	7,652.61	7,554.69	97.92	78.150		
15,200.00	7,063.13	6,300.00	6,222.05	232.20	29.13	63.50	1,113.20	-47.85	7,748.49	7,650.53	97.97	79.093		
15,300.00	7,061.31	6,300.00	6,222.05	235.02	29.13	63.50	1,113.20	-47.85	7,844.47	7,746.46	98.01	80.036		
15,400.00	7,059.49	6,300.00	6,222.05	237.84	29.13	63.50	1,113.20	-47.85	7,940.56	7,842.50	98.06	80.980		
15,500.00	7,057.68	6,300.00	6,222.05	240.66	29.13	63.50	1,113.20	-47.85	8,036.73	7,938.63	98.10	81.924		
15,600.00	7,055.86	6,300.00	6,222.05	243.48	29.13	63.50	1,113.20	-47.85	8,133.00	8,034.86	98.14	82.868		
15,647.29	7,055.00	6,300.00	6,222.05	244.81	29.13	63.50	1,113.20	-47.85	8,178.56	8,080.39	98.16	83.315		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	179.24	17.54	180.09					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	179.24	17.54	180.09	173.52	6.57	27.414		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	179.24	17.54	180.09	173.42	6.67	26.984 CC, ES		
300.00	300.00	294.11	294.10	3.44	3.44	5.52	180.78	17.46	181.72	174.82	6.89	26.366		
400.00	399.98	387.92	387.79	3.60	3.59	-130.98	185.39	17.23	187.73	180.51	7.22	26.016 SF		
500.00	499.84	480.90	480.45	3.79	3.77	-132.17	192.98	16.84	199.31	191.68	7.63	26.124		
600.00	599.45	572.50	571.45	4.03	3.99	-133.83	203.39	16.31	216.56	208.45	8.12	26.677		
700.00	698.70	662.24	660.23	4.30	4.24	-135.71	216.40	15.65	239.59	230.93	8.66	27.663		
790.00	787.61	746.67	743.49	4.57	4.49	-137.56	230.41	14.95	264.56	255.39	9.17	28.837		
800.00	797.47	756.17	752.86	4.60	4.52	-137.80	231.99	14.87	267.48	258.24	9.24	28.958		
900.00	896.01	851.19	846.55	4.94	4.82	-140.01	247.82	14.06	296.84	287.02	9.82	30.218		
1,000.00	994.55	946.22	940.24	5.30	5.14	-141.81	263.64	13.26	326.54	316.08	10.46	31.218		
1,100.00	1,093.09	1,041.24	1,033.94	5.68	5.49	-143.32	279.47	12.46	356.49	345.36	11.13	32.035		
1,200.00	1,191.63	1,136.26	1,127.63	6.08	5.85	-144.60	295.30	11.66	386.63	374.81	11.82	32.699		
1,300.00	1,290.17	1,231.28	1,221.32	6.49	6.22	-145.69	311.12	10.86	416.92	404.38	12.54	33.239		
1,400.00	1,388.71	1,326.30	1,315.01	6.91	6.60	-146.63	326.95	10.05	447.33	434.05	13.28	33.680		
1,500.00	1,487.25	1,421.32	1,408.70	7.34	6.99	-147.46	342.77	9.25	477.83	463.80	14.04	34.041		
1,600.00	1,585.79	1,516.35	1,502.39	7.77	7.38	-148.18	358.60	8.45	508.42	493.61	14.81	34.339		
1,700.00	1,684.34	1,611.37	1,596.08	8.22	7.78	-148.82	374.43	7.65	539.07	523.48	15.59	34.585		
1,800.00	1,782.88	1,706.39	1,689.77	8.66	8.19	-149.40	390.25	6.85	569.78	553.40	16.38	34.789		
1,900.00	1,881.42	1,801.41	1,783.46	9.12	8.60	-149.91	406.08	6.05	600.53	583.35	17.18	34.959		
2,000.00	1,979.96	1,896.43	1,877.16	9.57	9.01	-150.38	421.91	5.24	631.32	613.33	17.99	35.101		
2,100.00	2,078.50	2,008.54	1,970.85	10.03	9.50	-150.80	437.73	4.44	662.15	643.27	18.87	35.083		
2,200.00	2,177.04	2,086.48	2,064.54	10.49	9.84	-151.19	453.56	3.64	693.00	673.38	19.62	35.321		
2,300.00	2,275.58	2,181.50	2,158.23	10.95	10.26	-151.54	469.39	2.84	723.88	703.44	20.45	35.405		
2,400.00	2,374.12	2,276.52	2,251.92	11.42	10.69	-151.86	485.21	2.04	754.79	733.51	21.28	35.477		
2,500.00	2,472.66	2,371.54	2,345.61	11.89	11.11	-152.16	501.04	1.24	785.71	763.60	22.11	35.537		
2,600.00	2,571.20	2,466.56	2,439.30	12.36	11.54	-152.43	516.86	0.43	816.66	793.71	22.95	35.589		
2,700.00	2,669.74	2,561.59	2,532.99	12.83	11.96	-152.69	532.69	-0.37	847.61	823.83	23.79	35.632		
2,800.00	2,768.28	2,656.61	2,626.68	13.30	12.39	-152.93	548.52	-1.17	878.59	853.96	24.63	35.669		
2,900.00	2,866.83	2,751.63	2,720.38	13.78	12.82	-153.15	564.34	-1.97	909.57	884.09	25.48	35.701		
3,000.00	2,965.37	2,846.65	2,814.07	14.25	13.25	-153.36	580.17	-2.77	940.57	914.24	26.33	35.728		
3,100.00	3,063.91	2,941.67	2,907.76	14.73	13.69	-153.55	596.00	-3.57	971.58	944.40	27.18	35.750		
3,200.00	3,162.45	3,036.70	3,001.45	15.20	14.12	-153.73	611.82	-4.38	1,002.59	974.56	28.03	35.769		
3,300.00	3,260.99	3,131.72	3,095.14	15.68	14.55	-153.90	627.65	-5.18	1,033.62	1,004.73	28.88	35.785		
3,400.00	3,359.53	3,226.74	3,188.83	16.16	14.99	-154.06	643.48	-5.98	1,064.65	1,034.91	29.74	35.799		
3,500.00	3,458.07	3,321.76	3,282.52	16.64	15.42	-154.21	659.30	-6.78	1,095.69	1,065.09	30.60	35.810		
3,600.00	3,556.61	3,416.78	3,376.21	17.12	15.86	-154.36	675.13	-7.58	1,126.74	1,095.28	31.46	35.819		
3,700.00	3,655.15	3,511.80	3,469.90	17.60	16.29	-154.49	690.95	-8.39	1,157.79	1,125.47	32.32	35.827		
3,800.00	3,753.69	3,606.83	3,563.60	18.08	16.73	-154.62	706.78	-9.19	1,188.85	1,155.67	33.18	35.833		
3,900.00	3,852.23	3,701.85	3,657.29	18.56	17.17	-154.74	722.61	-9.99	1,219.91	1,185.87	34.04	35.837		
4,000.00	3,950.77	3,803.13	3,750.98	19.04	17.64	-154.86	738.43	-10.79	1,250.98	1,216.05	34.93	35.812		
4,100.00	4,049.31	3,891.89	3,844.67	19.52	18.04	-154.97	754.26	-11.59	1,282.05	1,246.28	35.77	35.843		
4,200.00	4,147.86	3,986.91	3,938.36	20.00	18.48	-155.07	770.09	-12.39	1,313.13	1,276.49	36.63	35.845		
4,300.00	4,246.40	4,081.93	4,032.05	20.49	18.92	-155.17	785.91	-13.20	1,344.21	1,306.71	37.50	35.846		
4,400.00	4,344.94	4,176.96	4,125.74	20.97	19.36	-155.27	801.74	-14.00	1,375.29	1,336.93	38.37	35.846		
4,500.00	4,443.48	4,271.98	4,219.43	21.45	19.80	-155.36	817.57	-14.80	1,406.38	1,367.14	39.23	35.846		
4,600.00	4,542.02	4,367.00	4,313.12	21.94	20.24	-155.45	833.39	-15.60	1,437.47	1,397.37	40.10	35.845		
4,700.00	4,640.56	4,462.02	4,406.82	22.42	20.68	-155.53	849.22	-16.40	1,468.56	1,427.59	40.97	35.844		
4,800.00	4,739.10	4,557.04	4,500.51	22.91	21.12	-155.61	865.04	-17.20	1,499.66	1,457.82	41.84	35.842		
4,900.00	4,837.64	4,652.07	4,594.20	23.39	21.56	-155.69	880.87	-18.01	1,530.76	1,488.05	42.71	35.840		
5,000.00	4,936.18	4,747.09	4,687.89	23.87	22.00	-155.76	896.70	-18.81	1,561.86	1,518.28	43.58	35.838		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	4,842.11	4,781.58	24.36	22.44	-155.83	912.52	-19.61	1,592.96	1,548.51	44.45	35.836		
5,200.00	5,133.26	4,937.13	4,875.27	24.84	22.88	-155.90	928.35	-20.41	1,624.06	1,578.74	45.32	35.833		
5,300.00	5,231.80	5,032.15	4,968.96	25.33	23.33	-155.97	944.18	-21.21	1,655.17	1,608.98	46.20	35.830		
5,400.00	5,330.34	5,127.17	5,062.65	25.82	23.77	-156.03	960.00	-22.01	1,686.28	1,639.21	47.07	35.826		
5,500.00	5,428.89	5,222.20	5,156.34	26.30	24.21	-156.09	975.83	-22.82	1,717.39	1,669.45	47.94	35.823		
5,600.00	5,527.43	5,317.22	5,250.04	26.79	24.65	-156.15	991.66	-23.62	1,748.50	1,699.69	48.81	35.820		
5,700.00	5,625.97	5,412.24	5,343.73	27.27	25.09	-156.21	1,007.48	-24.42	1,779.62	1,729.93	49.69	35.816		
5,800.00	5,724.51	5,507.26	5,437.42	27.76	25.53	-156.26	1,023.31	-25.22	1,810.73	1,760.17	50.56	35.812		
5,900.00	5,823.05	5,602.28	5,531.11	28.24	25.98	-156.32	1,039.13	-26.02	1,841.85	1,790.42	51.44	35.808		
6,000.00	5,921.59	5,702.69	5,624.80	28.73	26.44	-156.37	1,054.96	-26.83	1,872.97	1,820.63	52.34	35.787		
6,100.00	6,020.13	5,807.67	5,718.49	29.22	26.93	-156.42	1,070.79	-27.63	1,904.09	1,850.83	53.26	35.753		
6,200.00	6,118.67	5,887.35	5,812.18	29.70	27.30	-156.46	1,086.61	-28.43	1,935.21	1,881.15	54.06	35.796		
6,300.00	6,217.21	5,982.37	5,905.87	30.19	27.75	-156.51	1,102.44	-29.23	1,966.33	1,911.40	54.94	35.792		
6,400.00	6,315.75	6,077.39	5,999.56	30.68	28.19	-156.56	1,118.27	-30.03	1,997.46	1,941.64	55.81	35.788		
6,500.00	6,414.29	6,172.41	6,093.26	31.16	28.63	-156.60	1,134.09	-30.83	2,028.58	1,971.89	56.69	35.784		
6,582.51	6,495.60	6,250.82	6,170.56	31.57	29.00	-156.64	1,147.15	-31.50	2,054.26	1,996.85	57.41	35.780		
6,600.00	6,512.86	6,267.46	6,186.97	31.65	29.08	-164.63	1,149.92	-31.64	2,059.63	2,002.07	57.57	35.779		
6,650.00	6,562.39	7,505.80	6,955.93	31.88	36.58	-175.27	1,288.31	686.90	2,073.91	2,008.40	65.51	31.659		
6,700.00	6,611.96	7,506.71	6,955.93	32.08	36.59	152.10	1,288.29	685.99	2,071.29	2,005.22	66.06	31.353		
6,750.00	6,661.26	7,488.46	6,955.88	32.27	36.35	131.38	1,288.23	681.17	2,069.90	2,003.58	66.32	31.211		
6,781.84	6,692.37	7,483.36	6,955.82	32.38	36.28	123.33	1,288.16	676.06	2,069.66	2,003.11	66.55	31.100		
6,800.00	6,709.99	7,479.74	6,955.79	32.44	36.23	119.85	1,288.11	672.45	2,069.73	2,003.07	66.66	31.048		
6,850.00	6,757.84	7,467.19	6,955.66	32.61	36.07	112.83	1,287.94	659.90	2,070.74	2,003.83	66.91	30.947		
6,900.00	6,804.53	7,450.88	6,955.49	32.77	35.87	108.03	1,287.72	643.59	2,072.84	2,005.77	67.07	30.904		
6,950.00	6,849.77	7,430.92	6,955.28	32.92	35.61	104.39	1,287.46	623.63	2,075.94	2,008.79	67.15	30.915		
7,000.00	6,893.27	7,000.00	6,954.34	33.07	32.16	101.01	1,286.82	583.15	2,079.86	2,017.34	62.52	33.265		
7,050.00	6,934.77	7,349.86	6,952.25	33.23	34.65	98.13	1,286.00	542.67	2,084.41	2,017.66	66.75	31.229		
7,100.00	6,974.01	7,295.09	6,944.87	33.39	34.06	95.24	1,284.11	488.45	2,089.11	2,022.72	66.39	31.465		
7,150.00	7,010.75	7,247.14	6,934.65	33.55	33.58	92.75	1,281.84	441.67	2,093.98	2,027.85	66.13	31.664		
7,200.00	7,044.77	7,203.88	6,922.48	33.72	33.18	90.56	1,279.30	400.25	2,098.98	2,033.04	65.94	31.834		
7,250.00	7,075.85	7,163.99	6,908.82	33.92	32.85	88.60	1,276.55	362.88	2,104.04	2,038.23	65.80	31.974		
7,300.00	7,103.80	7,126.62	6,893.95	34.13	32.55	86.84	1,273.64	328.72	2,109.08	2,043.36	65.72	32.091		
7,350.00	7,128.45	7,091.16	6,878.03	34.38	32.30	85.23	1,270.58	297.19	2,114.04	2,048.35	65.69	32.183		
7,400.00	7,149.65	7,057.21	6,861.19	34.67	32.07	83.76	1,267.39	267.88	2,118.83	2,053.12	65.71	32.245		
7,450.00	7,167.26	7,024.47	6,843.51	35.00	31.90	82.42	1,264.08	240.53	2,123.38	2,057.59	65.79	32.275		
7,500.00	7,181.19	6,992.71	6,825.07	35.38	31.82	81.21	1,260.66	214.92	2,127.61	2,061.69	65.92	32.275		
7,550.00	7,191.34	6,961.79	6,805.91	35.81	31.75	80.11	1,257.14	190.90	2,131.45	2,065.34	66.11	32.240		
7,600.00	7,197.65	6,931.56	6,786.09	36.28	31.68	79.14	1,253.53	168.36	2,134.83	2,068.47	66.36	32.173		
7,650.00	7,200.08	6,901.92	6,765.65	36.80	31.61	78.29	1,249.83	147.23	2,137.69	2,071.05	66.64	32.076		
7,667.87	7,200.00	6,891.46	6,758.21	36.99	31.58	78.01	1,248.48	140.00	2,138.57	2,071.81	66.76	32.033		
7,700.00	7,199.42	6,873.25	6,744.98	37.35	31.53	77.66	1,246.10	127.72	2,140.24	2,073.25	66.99	31.949		
7,800.00	7,197.60	6,823.07	6,706.78	38.62	31.38	76.64	1,239.28	95.91	2,147.41	2,079.56	67.85	31.649		
7,900.00	7,195.78	6,781.22	6,673.12	40.06	31.25	75.74	1,233.30	71.80	2,157.87	2,088.97	68.91	31.316		
8,000.00	7,193.97	6,750.00	6,647.02	41.66	31.15	75.04	1,228.70	55.30	2,171.89	2,101.74	70.16	30.958		
8,100.00	7,192.15	6,716.33	6,618.01	43.40	31.03	74.27	1,223.61	38.98	2,189.61	2,118.18	71.43	30.654		
8,200.00	7,190.33	6,700.00	6,603.65	45.25	30.97	73.89	1,221.09	31.63	2,211.15	2,138.23	72.92	30.321		
8,300.00	7,188.51	6,669.01	6,575.90	47.20	30.85	73.15	1,216.25	18.73	2,236.42	2,162.17	74.26	30.118		
8,400.00	7,186.70	6,650.00	6,558.58	49.25	30.78	72.69	1,213.24	11.50	2,265.49	2,189.78	75.71	29.925		
8,500.00	7,184.88	6,633.35	6,543.24	51.37	30.71	72.29	1,210.58	5.60	2,298.24	2,221.09	77.15	29.790		
8,600.00	7,183.06	6,618.68	6,529.60	53.56	30.65	71.93	1,208.21	0.74	2,334.58	2,256.01	78.57	29.715		
8,700.00	7,181.24	6,600.00	6,512.08	55.81	30.58	71.46	1,205.19	-4.99	2,374.39	2,294.51	79.88	29.725		
8,800.00	7,179.43	6,600.00	6,512.08	58.11	30.58	71.46	1,205.19	-4.99	2,417.51	2,336.17	81.34	29.722		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	6,583.63	6,496.60	60.46	30.51	71.05	1,202.51	-9.57	2,463.78	2,381.24	82.54	29.850		
9,000.00	7,175.79	6,574.23	6,487.65	62.85	30.47	70.82	1,200.97	-12.02	2,513.08	2,429.34	83.74	30.010		
9,100.00	7,173.98	6,565.72	6,479.52	65.28	30.44	70.60	1,199.58	-14.13	2,565.23	2,480.36	84.88	30.223		
9,200.00	7,172.16	6,550.00	6,464.44	67.74	30.37	70.21	1,196.98	-17.72	2,620.13	2,534.28	85.86	30.517		
9,300.00	7,170.34	6,550.00	6,464.44	70.23	30.37	70.21	1,196.98	-17.72	2,677.49	2,590.56	86.94	30.799		
9,400.00	7,168.52	6,550.00	6,464.44	72.74	30.37	70.21	1,196.98	-17.72	2,737.30	2,649.37	87.94	31.128		
9,500.00	7,166.71	6,550.00	6,464.44	75.28	30.37	70.21	1,196.98	-17.72	2,799.41	2,710.54	88.87	31.501		
9,600.00	7,164.89	6,550.00	6,464.44	77.84	30.37	70.21	1,196.98	-17.72	2,863.66	2,773.94	89.73	31.915		
9,700.00	7,163.07	6,527.80	6,443.00	80.43	30.27	69.65	1,193.31	-22.15	2,929.57	2,839.27	90.30	32.441		
9,800.00	7,161.26	6,523.06	6,438.41	83.02	30.25	69.53	1,192.52	-22.99	2,997.53	2,906.54	91.00	32.941		
9,900.00	7,159.44	6,518.65	6,434.13	85.64	30.23	69.41	1,191.79	-23.75	3,067.22	2,975.58	91.64	33.471		
10,000.00	7,157.62	6,500.00	6,415.96	88.27	30.15	68.94	1,188.69	-26.62	3,138.67	3,046.58	92.08	34.085		
10,100.00	7,155.80	6,500.00	6,415.96	90.91	30.15	68.94	1,188.69	-26.62	3,211.41	3,118.73	92.67	34.653		
10,200.00	7,153.99	6,500.00	6,415.96	93.56	30.15	68.94	1,188.69	-26.62	3,285.58	3,192.36	93.21	35.247		
10,300.00	7,152.17	6,500.00	6,415.96	96.23	30.15	68.94	1,188.69	-26.62	3,361.08	3,267.37	93.71	35.865		
10,400.00	7,150.35	6,500.00	6,415.96	98.90	30.15	68.94	1,188.69	-26.62	3,437.84	3,343.67	94.18	36.504		
10,500.00	7,148.54	6,500.00	6,415.96	101.59	30.15	68.94	1,188.69	-26.62	3,515.77	3,421.17	94.60	37.164		
10,600.00	7,146.72	6,500.00	6,415.96	104.28	30.15	68.94	1,188.69	-26.62	3,594.79	3,499.80	95.00	37.842		
10,700.00	7,144.90	6,500.00	6,415.96	106.98	30.15	68.94	1,188.69	-26.62	3,674.84	3,579.48	95.36	38.537		
10,800.00	7,143.08	6,500.00	6,415.96	109.69	30.15	68.94	1,188.69	-26.62	3,755.83	3,660.14	95.69	39.248		
10,900.00	7,141.27	6,500.00	6,415.96	112.41	30.15	68.94	1,188.69	-26.62	3,837.73	3,741.73	96.00	39.975		
11,000.00	7,139.45	6,500.00	6,415.96	115.13	30.15	68.94	1,188.69	-26.62	3,920.47	3,824.18	96.29	40.715		
11,100.00	7,137.63	6,500.00	6,415.96	117.86	30.15	68.94	1,188.69	-26.62	4,003.99	3,907.43	96.56	41.467		
11,200.00	7,135.82	6,500.00	6,415.96	120.59	30.15	68.94	1,188.69	-26.62	4,088.25	3,991.45	96.80	42.232		
11,300.00	7,134.00	6,478.60	6,395.03	123.33	30.05	68.40	1,185.12	-29.24	4,172.85	4,076.00	96.85	43.085		
11,400.00	7,132.18	6,476.73	6,393.19	126.07	30.05	68.35	1,184.80	-29.44	4,258.39	4,161.34	97.05	43.879		
11,500.00	7,130.36	6,474.94	6,391.43	128.82	30.04	68.30	1,184.51	-29.62	4,344.55	4,247.32	97.23	44.681		
11,600.00	7,128.55	6,473.23	6,389.75	131.57	30.03	68.26	1,184.22	-29.79	4,431.28	4,333.88	97.41	45.493		
11,700.00	7,126.73	6,471.59	6,388.14	134.33	30.02	68.22	1,183.95	-29.95	4,518.56	4,420.99	97.57	46.313		
11,800.00	7,124.91	6,450.00	6,366.93	137.09	29.93	67.67	1,180.34	-31.63	4,606.67	4,509.13	97.54	47.227		
11,900.00	7,123.10	6,450.00	6,366.93	139.85	29.93	67.67	1,180.34	-31.63	4,694.90	4,597.20	97.70	48.056		
12,000.00	7,121.28	6,450.00	6,366.93	142.62	29.93	67.67	1,180.34	-31.63	4,783.59	4,685.75	97.84	48.892		
12,100.00	7,119.46	6,450.00	6,366.93	145.39	29.93	67.67	1,180.34	-31.63	4,872.72	4,774.75	97.98	49.734		
12,200.00	7,117.64	6,450.00	6,366.93	148.16	29.93	67.67	1,180.34	-31.63	4,962.27	4,864.16	98.10	50.582		
12,300.00	7,115.83	6,450.00	6,366.93	150.94	29.93	67.67	1,180.34	-31.63	5,052.20	4,953.98	98.22	51.437		
12,400.00	7,114.01	6,450.00	6,366.93	153.72	29.93	67.67	1,180.34	-31.63	5,142.51	5,044.18	98.33	52.296		
12,500.00	7,112.19	6,450.00	6,366.93	156.50	29.93	67.67	1,180.34	-31.63	5,233.17	5,134.73	98.44	53.161		
12,600.00	7,110.37	6,450.00	6,366.93	159.28	29.93	67.67	1,180.34	-31.63	5,324.17	5,225.63	98.54	54.030		
12,700.00	7,108.56	6,450.00	6,366.93	162.07	29.93	67.67	1,180.34	-31.63	5,415.48	5,316.85	98.64	54.904		
12,800.00	7,106.74	6,450.00	6,366.93	164.86	29.93	67.67	1,180.34	-31.63	5,507.10	5,408.37	98.73	55.782		
12,900.00	7,104.92	6,450.00	6,366.93	167.65	29.93	67.67	1,180.34	-31.63	5,599.00	5,500.19	98.81	56.664		
13,000.00	7,103.11	6,450.00	6,366.93	170.44	29.93	67.67	1,180.34	-31.63	5,691.17	5,592.28	98.89	57.550		
13,100.00	7,101.29	6,450.00	6,366.93	173.23	29.93	67.67	1,180.34	-31.63	5,783.61	5,684.64	98.97	58.439		
13,200.00	7,099.47	6,450.00	6,366.93	176.03	29.93	67.67	1,180.34	-31.63	5,876.29	5,777.25	99.04	59.331		
13,300.00	7,097.65	6,450.00	6,366.93	178.82	29.93	67.67	1,180.34	-31.63	5,969.21	5,870.09	99.11	60.226		
13,400.00	7,095.84	6,450.00	6,366.93	181.62	29.93	67.67	1,180.34	-31.63	6,062.35	5,963.17	99.18	61.124		
13,500.00	7,094.02	6,450.00	6,366.93	184.42	29.93	67.67	1,180.34	-31.63	6,155.71	6,056.46	99.25	62.024		
13,600.00	7,092.20	6,450.00	6,366.93	187.22	29.93	67.67	1,180.34	-31.63	6,249.28	6,149.97	99.31	62.927		
13,700.00	7,090.39	6,450.00	6,366.93	190.03	29.93	67.67	1,180.34	-31.63	6,343.04	6,243.67	99.37	63.833		
13,800.00	7,088.57	6,450.00	6,366.93	192.83	29.93	67.67	1,180.34	-31.63	6,436.99	6,337.56	99.43	64.740		
13,900.00	7,086.75	6,450.00	6,366.93	195.64	29.93	67.67	1,180.34	-31.63	6,531.11	6,431.63	99.48	65.650		
14,000.00	7,084.93	6,450.00	6,366.93	198.44	29.93	67.67	1,180.34	-31.63	6,625.41	6,525.87	99.54	66.561		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - Boomerang 25N-3B-L - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
14,100.00	7,083.12	6,450.00	6,366.93	201.25	29.93	67.67	1,180.34	-31.63	6,719.88	6,620.29	99.59	67.474					
14,200.00	7,081.30	6,450.00	6,366.93	204.06	29.93	67.67	1,180.34	-31.63	6,814.50	6,714.86	99.64	68.388					
14,300.00	7,079.48	6,450.00	6,366.93	206.87	29.93	67.67	1,180.34	-31.63	6,909.28	6,809.58	99.69	69.304					
14,400.00	7,077.67	6,450.00	6,366.93	209.68	29.93	67.67	1,180.34	-31.63	7,004.20	6,904.45	99.74	70.222					
14,500.00	7,075.85	6,450.00	6,366.93	212.49	29.93	67.67	1,180.34	-31.63	7,099.26	6,999.46	99.79	71.140					
14,600.00	7,074.03	6,450.00	6,366.93	215.31	29.93	67.67	1,180.34	-31.63	7,194.45	7,094.61	99.84	72.060					
14,700.00	7,072.21	6,450.00	6,366.93	218.12	29.93	67.67	1,180.34	-31.63	7,289.77	7,189.89	99.89	72.981					
14,800.00	7,070.40	6,450.00	6,366.93	220.93	29.93	67.67	1,180.34	-31.63	7,385.22	7,285.29	99.93	73.902					
14,900.00	7,068.58	6,450.00	6,366.93	223.75	29.93	67.67	1,180.34	-31.63	7,480.78	7,380.81	99.98	74.825					
15,000.00	7,066.76	6,450.00	6,366.93	226.57	29.93	67.67	1,180.34	-31.63	7,576.46	7,476.44	100.02	75.748					
15,100.00	7,064.95	6,450.00	6,366.93	229.38	29.93	67.67	1,180.34	-31.63	7,672.25	7,572.19	100.07	76.672					
15,200.00	7,063.13	6,450.00	6,366.93	232.20	29.93	67.67	1,180.34	-31.63	7,768.15	7,668.04	100.11	77.597					
15,300.00	7,061.31	6,450.00	6,366.93	235.02	29.93	67.67	1,180.34	-31.63	7,864.15	7,763.99	100.15	78.522					
15,400.00	7,059.49	6,450.00	6,366.93	237.84	29.93	67.67	1,180.34	-31.63	7,960.24	7,860.05	100.19	79.448					
15,500.00	7,057.68	6,450.00	6,366.93	240.66	29.93	67.67	1,180.34	-31.63	8,056.43	7,956.20	100.24	80.374					
15,600.00	7,055.86	6,450.00	6,366.93	243.48	29.93	67.67	1,180.34	-31.63	8,152.72	8,052.44	100.28	81.300					
15,647.29	7,055.00	6,450.00	6,366.93	244.81	29.93	67.67	1,180.34	-31.63	8,198.28	8,097.98	100.30	81.738					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-174.32	-44.81	-4.45	45.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.32	-44.81	-4.45	45.03	38.46	6.57	6.855		
200.00	200.00	200.00	200.00	3.34	3.34	-174.32	-44.81	-4.45	45.03	38.36	6.67	6.748 CC, ES		
300.00	300.00	298.43	298.41	3.44	3.44	-174.03	-46.45	-4.86	46.74	39.84	6.89	6.780		
400.00	399.98	396.67	396.51	3.60	3.59	52.17	-51.37	-6.07	50.75	43.54	7.22	7.033		
500.00	499.84	494.58	494.06	3.79	3.78	57.05	-59.51	-8.07	56.29	48.66	7.63	7.376		
600.00	599.45	592.00	590.78	4.03	4.01	63.46	-70.81	-10.85	63.97	55.84	8.13	7.869		
700.00	698.70	688.78	686.41	4.30	4.28	70.30	-85.20	-14.39	74.40	65.71	8.69	8.563		
790.00	787.61	775.22	771.36	4.57	4.56	76.14	-100.70	-18.21	86.52	77.28	9.24	9.366		
800.00	797.47	784.78	780.72	4.60	4.59	76.77	-102.57	-18.67	88.03	78.74	9.30	9.467		
900.00	896.01	879.96	873.59	4.94	4.93	81.64	-122.80	-23.65	105.36	95.41	9.95	10.586		
1,000.00	994.55	974.22	964.83	5.30	5.29	84.43	-145.78	-29.30	126.10	115.45	10.65	11.845		
1,100.00	1,093.09	1,067.38	1,054.19	5.68	5.69	85.84	-171.35	-35.59	149.82	138.46	11.36	13.185		
1,200.00	1,191.63	1,159.26	1,141.44	6.08	6.10	86.35	-199.31	-42.47	176.32	164.22	12.10	14.573		
1,300.00	1,290.17	1,250.61	1,227.24	6.49	6.54	86.30	-229.75	-49.96	205.43	192.58	12.85	15.989		
1,400.00	1,388.71	1,346.00	1,316.46	6.91	7.02	86.13	-262.49	-58.02	235.46	221.81	13.65	17.252		
1,500.00	1,487.25	1,441.38	1,405.69	7.34	7.52	86.00	-295.23	-66.08	265.49	251.01	14.47	18.343		
1,600.00	1,585.79	1,536.76	1,494.91	7.77	8.03	85.90	-327.97	-74.13	295.52	280.20	15.32	19.291		
1,700.00	1,684.34	1,632.15	1,584.14	8.22	8.55	85.82	-360.71	-82.19	325.55	309.37	16.18	20.118		
1,800.00	1,782.88	1,727.53	1,673.37	8.66	9.08	85.75	-393.45	-90.25	355.58	338.52	17.06	20.844		
1,900.00	1,881.42	1,822.91	1,762.59	9.12	9.62	85.69	-426.19	-98.30	385.61	367.66	17.95	21.483		
2,000.00	1,979.96	1,918.30	1,851.82	9.57	10.16	85.64	-458.93	-106.36	415.64	396.79	18.85	22.050		
2,100.00	2,078.50	2,013.68	1,941.04	10.03	10.71	85.59	-491.67	-114.41	445.67	425.91	19.76	22.554		
2,200.00	2,177.04	2,109.06	2,030.27	10.49	11.26	85.55	-524.41	-122.47	475.71	455.03	20.68	23.004		
2,300.00	2,275.58	2,204.45	2,119.49	10.95	11.81	85.52	-557.14	-130.53	505.74	484.14	21.60	23.409		
2,400.00	2,374.12	2,300.17	2,208.72	11.42	12.37	85.49	-589.88	-138.58	535.77	513.23	22.54	23.772		
2,500.00	2,472.66	2,404.79	2,297.95	11.89	12.99	85.46	-622.62	-146.64	565.81	542.28	23.52	24.053		
2,600.00	2,571.20	2,509.40	2,387.17	12.36	13.61	85.44	-655.36	-154.70	595.84	571.32	24.51	24.306		
2,700.00	2,669.74	2,585.98	2,476.40	12.83	14.06	85.42	-688.10	-162.75	625.87	600.51	25.36	24.678		
2,800.00	2,768.28	2,681.36	2,565.62	13.30	14.63	85.40	-720.84	-170.81	655.90	629.59	26.31	24.929		
2,900.00	2,866.83	2,776.75	2,654.85	13.78	15.20	85.38	-753.58	-178.86	685.94	658.67	27.26	25.159		
3,000.00	2,965.37	2,872.13	2,744.07	14.25	15.77	85.36	-786.32	-186.92	715.97	687.75	28.22	25.370		
3,100.00	3,063.91	2,967.51	2,833.30	14.73	16.34	85.35	-819.06	-194.98	746.00	716.82	29.18	25.565		
3,200.00	3,162.45	3,062.90	2,922.52	15.20	16.91	85.33	-851.80	-203.03	776.04	745.90	30.14	25.746		
3,300.00	3,260.99	3,158.28	3,011.75	15.68	17.48	85.32	-884.54	-211.09	806.07	774.97	31.11	25.914		
3,400.00	3,359.53	3,253.66	3,100.98	16.16	18.06	85.31	-917.27	-219.15	836.11	804.03	32.07	26.070		
3,500.00	3,458.07	3,349.05	3,190.20	16.64	18.63	85.30	-950.01	-227.20	866.14	833.10	33.04	26.215		
3,600.00	3,556.61	3,444.43	3,279.43	17.12	19.21	85.29	-982.75	-235.26	896.17	862.16	34.01	26.350		
3,700.00	3,655.15	3,539.81	3,368.65	17.60	19.79	85.28	-1,015.49	-243.31	926.21	891.22	34.98	26.477		
3,800.00	3,753.69	3,635.20	3,457.88	18.08	20.37	85.27	-1,048.23	-251.37	956.24	920.29	35.95	26.596		
3,900.00	3,852.23	3,758.09	3,573.34	18.56	21.10	85.30	-1,089.08	-261.42	985.38	948.15	37.23	26.466		
4,000.00	3,950.77	3,897.18	3,705.99	19.04	21.89	85.51	-1,129.65	-271.41	1,010.70	972.08	38.62	26.171		
4,100.00	4,049.31	4,038.91	3,843.08	19.52	22.64	85.89	-1,164.51	-279.98	1,031.87	991.94	39.93	25.839		
4,200.00	4,147.86	4,182.63	3,983.74	20.00	23.35	86.46	-1,193.09	-287.02	1,048.82	1,007.65	41.17	25.474		
4,300.00	4,246.40	4,327.66	4,127.00	20.49	24.01	87.21	-1,214.95	-292.40	1,061.52	1,019.20	42.32	25.085		
4,400.00	4,344.94	4,473.26	4,271.78	20.97	24.62	88.13	-1,229.79	-296.05	1,069.99	1,026.63	43.36	24.674		
4,500.00	4,443.48	4,618.68	4,416.97	21.45	25.18	89.24	-1,237.46	-297.94	1,074.31	1,030.00	44.31	24.246		
4,600.00	4,542.02	4,743.74	4,542.02	21.94	25.57	90.34	-1,238.63	-298.22	1,074.97	1,029.81	45.16	23.805		
4,700.00	4,640.56	4,842.28	4,640.56	22.42	25.87	91.23	-1,238.63	-298.22	1,075.21	1,029.20	46.01	23.368		
4,800.00	4,739.10	4,940.82	4,739.10	22.91	26.16	92.13	-1,238.63	-298.22	1,075.71	1,028.85	46.87	22.952		
4,900.00	4,837.64	5,039.36	4,837.64	23.39	26.46	93.02	-1,238.63	-298.22	1,076.49	1,028.76	47.73	22.554		
5,000.00	4,936.18	5,137.90	4,936.18	23.87	26.77	93.91	-1,238.63	-298.22	1,077.53	1,028.94	48.59	22.176		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
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Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	5,236.44	5,034.72	24.36	27.07	94.80	-1,238.63	-298.22	1,078.84	1,029.39	49.45	21.815		
5,200.00	5,133.26	5,334.98	5,133.26	24.84	27.38	95.68	-1,238.63	-298.22	1,080.42	1,030.10	50.32	21.471		
5,300.00	5,231.80	5,433.53	5,231.80	25.33	27.70	96.57	-1,238.63	-298.22	1,082.27	1,031.08	51.19	21.144		
5,400.00	5,330.34	5,532.07	5,330.34	25.82	28.01	97.45	-1,238.63	-298.22	1,084.37	1,032.32	52.05	20.832		
5,500.00	5,428.89	5,630.61	5,428.89	26.30	28.33	98.33	-1,238.63	-298.22	1,086.74	1,033.82	52.92	20.535		
5,600.00	5,527.43	5,729.15	5,527.43	26.79	28.66	99.20	-1,238.63	-298.22	1,089.37	1,035.58	53.79	20.252		
5,700.00	5,625.97	5,827.69	5,625.97	27.27	28.98	100.07	-1,238.63	-298.22	1,092.26	1,037.60	54.66	19.982		
5,800.00	5,724.51	5,926.23	5,724.51	27.76	29.31	100.93	-1,238.63	-298.22	1,095.41	1,039.88	55.53	19.725		
5,900.00	5,823.05	6,024.77	5,823.05	28.24	29.64	101.79	-1,238.63	-298.22	1,098.81	1,042.41	56.40	19.481		
6,000.00	5,921.59	6,123.31	5,921.59	28.73	29.97	102.65	-1,238.63	-298.22	1,102.46	1,045.19	57.28	19.248		
6,100.00	6,020.13	6,221.85	6,020.13	29.22	30.31	103.49	-1,238.63	-298.22	1,106.37	1,048.22	58.15	19.027		
6,200.00	6,118.67	6,320.39	6,118.67	29.70	30.65	104.34	-1,238.63	-298.22	1,110.52	1,051.50	59.02	18.816		
6,300.00	6,217.21	6,418.93	6,217.21	30.19	30.99	105.17	-1,238.63	-298.22	1,114.91	1,055.02	59.89	18.616		
6,400.00	6,315.75	6,517.47	6,315.75	30.68	31.33	106.00	-1,235.45	693.04	1,050.50	1,019.87	30.63	34.298		
6,500.00	6,414.29	6,616.01	6,414.29	31.16	31.67	106.83	-1,235.41	704.93	959.50	926.43	33.08	29.010		
6,582.51	6,495.60	6,697.32	6,495.60	31.57	31.99	107.65	-1,235.38	714.74	885.76	850.30	35.46	24.978		
6,600.00	6,512.86	6,714.58	6,512.86	31.65	32.07	107.77	-1,235.38	716.58	870.29	834.27	36.01	24.165		
6,650.00	6,562.39	6,764.11	6,562.39	31.88	32.19	107.90	-1,235.37	719.20	826.29	788.63	37.66	21.939		
6,700.00	6,611.96	6,813.64	6,611.96	32.08	32.31	108.03	-1,235.37	721.90	782.92	743.50	39.42	19.862		
6,750.00	6,661.26	6,863.17	6,661.26	32.27	32.43	108.15	-1,235.39	724.68	740.56	699.28	41.29	17.937		
6,800.00	6,709.99	6,911.90	6,709.99	32.44	32.55	108.27	-1,235.42	727.57	699.59	656.32	43.27	16.168		
6,850.00	6,757.84	6,960.63	6,757.84	32.61	32.67	108.39	-1,235.46	690.64	660.39	615.02	45.37	14.556		
6,900.00	6,804.53	7,009.36	6,804.53	32.77	32.79	108.51	-1,235.51	673.97	623.31	575.74	47.56	13.105		
6,950.00	6,849.77	7,058.09	6,849.77	32.92	32.91	108.63	-1,235.58	653.64	588.69	538.86	49.83	11.813		
7,000.00	6,893.27	7,106.82	6,893.27	33.07	32.99	108.75	-1,235.65	629.80	556.84	504.69	52.16	10.676		
7,050.00	6,934.77	7,155.55	6,934.77	33.23	33.07	108.87	-1,235.74	602.58	528.00	473.52	54.48	9.691		
7,100.00	6,974.01	7,204.28	6,974.01	33.39	33.15	108.99	-1,235.84	572.16	502.35	445.61	56.74	8.854		
7,150.00	7,010.75	7,252.99	7,010.75	33.55	33.23	109.11	-1,235.95	538.72	479.98	420.96	59.03	8.132		
7,200.00	7,044.77	7,301.70	7,044.77	33.72	33.31	109.23	-1,236.06	502.47	460.89	400.03	60.85	7.574		
7,250.00	7,075.85	7,350.41	7,075.85	33.92	33.39	109.35	-1,236.19	463.64	444.95	382.36	62.59	7.109		
7,300.00	7,103.80	7,399.12	7,103.80	34.13	33.47	109.47	-1,236.32	422.45	431.95	367.87	64.09	6.740		
7,350.00	7,128.45	7,447.83	7,128.45	34.38	33.55	109.59	-1,236.46	379.17	421.62	356.29	65.33	6.454		
7,400.00	7,149.65	7,496.54	7,149.65	34.67	33.63	109.71	-1,236.61	333.54	413.58	347.28	66.30	6.238		
7,450.00	7,167.26	7,545.25	7,167.26	35.00	33.71	109.83	-1,236.77	282.22	407.15	340.00	67.15	6.063		
7,500.00	7,181.19	7,593.96	7,181.19	35.38	33.79	109.95	-1,236.93	232.99	402.06	334.08	67.99	5.914		
7,550.00	7,191.34	7,642.67	7,191.34	35.81	33.87	110.07	-1,237.08	185.92	398.39	329.63	68.76	5.794		
7,600.00	7,197.65	7,691.38	7,197.65	36.28	33.95	110.19	-1,237.22	141.08	396.16	326.71	69.45	5.704		
7,650.00	7,200.08	7,740.09	7,200.08	36.80	34.03	110.31	-1,237.36	98.50	395.39	325.34	70.05	5.644		
7,651.94	7,200.09	7,740.10	7,200.09	36.82	34.02	110.32	-1,237.36	96.89	395.39	325.31	70.08	5.642		
7,667.87	7,200.00	7,740.21	7,200.00	36.99	34.09	110.44	-1,237.41	83.83	395.46	325.21	70.25	5.629		
7,700.00	7,199.42	7,788.92	7,199.42	37.35	34.17	110.56	-1,237.49	58.45	396.01	325.41	70.59	5.610 SF		
7,800.00	7,197.60	7,837.63	7,197.60	38.62	34.25	110.68	-1,237.71	-10.89	401.99	330.49	71.50	5.622		
7,900.00	7,195.78	7,886.34	7,195.78	40.06	34.33	110.80	-1,237.89	-66.42	416.85	344.89	71.96	5.793		
8,000.00	7,193.97	7,935.05	7,193.97	41.66	34.41	110.92	-1,238.03	-110.08	442.62	370.66	71.96	6.151		
8,100.00	7,192.15	7,983.76	7,192.15	43.40	34.49	111.04	-1,238.13	-141.84	479.79	408.05	71.74	6.688		
8,200.00	7,190.33	8,032.47	7,190.33	45.25	34.57	111.16	-1,238.23	-173.15	527.54	456.40	71.14	7.415		
8,300.00	7,188.51	8,081.18	7,188.51	47.20	34.65	111.28	-1,238.29	-191.82	584.40	513.54	70.86	8.247		
8,400.00	7,186.70	8,129.89	7,186.70	49.25	34.73	111.40	-1,238.34	-208.44	648.80	578.24	70.55	9.196		
8,500.00	7,184.88	8,178.60	7,184.88	51.37	34.81	111.52	-1,238.40	-226.14	719.34	649.23	70.11	10.261		
8,600.00	7,183.06	8,227.31	7,183.06	53.56	34.89	111.64	-1,238.42	-232.49	794.45	724.29	70.15	11.324		
8,700.00	7,181.24	8,276.02	7,181.24	55.81	34.97	111.76	-1,238.45	-241.27	873.50	803.46	70.04	12.472		
8,800.00	7,179.43	8,324.73	7,179.43	58.11	35.05	111.88	-1,238.47	-247.48	955.62	885.63	69.99	13.653		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	7,031.37	6,824.20	60.46	33.14	-46.47	-1,238.49	-254.52	1,040.20	970.31	69.89	14.883		
9,000.00	7,175.79	7,017.11	6,810.85	62.85	33.09	-45.45	-1,238.51	-259.56	1,126.80	1,056.95	69.85	16.132		
9,100.00	7,173.98	7,000.00	6,794.71	65.28	33.03	-44.27	-1,238.53	-265.22	1,215.08	1,145.31	69.77	17.416		
9,200.00	7,172.16	7,000.00	6,794.71	67.74	33.03	-44.27	-1,238.53	-265.22	1,304.75	1,234.90	69.86	18.678		
9,300.00	7,170.34	6,982.40	6,777.94	70.23	32.97	-43.09	-1,238.54	-270.58	1,395.48	1,325.72	69.77	20.002		
9,400.00	7,168.52	6,972.94	6,768.88	72.74	32.94	-42.48	-1,238.55	-273.27	1,487.25	1,417.50	69.75	21.322		
9,500.00	7,166.71	6,950.00	6,746.73	75.28	32.86	-41.03	-1,238.57	-279.23	1,580.07	1,510.44	69.63	22.691		
9,600.00	7,164.89	6,950.00	6,746.73	77.84	32.86	-41.03	-1,238.57	-279.23	1,673.20	1,603.52	69.68	24.011		
9,700.00	7,163.07	6,950.00	6,746.73	80.43	32.86	-41.03	-1,238.57	-279.23	1,767.08	1,697.36	69.72	25.345		
9,800.00	7,161.26	6,950.00	6,746.73	83.02	32.86	-41.03	-1,238.57	-279.23	1,861.61	1,791.86	69.75	26.690		
9,900.00	7,159.44	6,950.00	6,746.73	85.64	32.86	-41.03	-1,238.57	-279.23	1,956.67	1,886.90	69.77	28.044		
10,000.00	7,157.62	6,930.56	6,727.80	88.27	32.80	-39.86	-1,238.59	-283.66	2,051.82	1,982.12	69.70	29.437		
10,100.00	7,155.80	6,925.24	6,722.59	90.91	32.78	-39.54	-1,238.59	-284.77	2,147.53	2,077.83	69.70	30.811		
10,200.00	7,153.99	6,920.27	6,717.73	93.56	32.76	-39.25	-1,238.59	-285.76	2,243.56	2,173.86	69.70	32.188		
10,300.00	7,152.17	6,900.00	6,697.79	96.23	32.69	-38.11	-1,238.60	-289.44	2,340.12	2,270.48	69.64	33.601		
10,400.00	7,150.35	6,900.00	6,697.79	98.90	32.69	-38.11	-1,238.60	-289.44	2,436.58	2,366.92	69.67	34.975		
10,500.00	7,148.54	6,900.00	6,697.79	101.59	32.69	-38.11	-1,238.60	-289.44	2,533.32	2,463.63	69.69	36.352		
10,600.00	7,146.72	6,900.00	6,697.79	104.28	32.69	-38.11	-1,238.60	-289.44	2,630.30	2,560.59	69.71	37.733		
10,700.00	7,144.90	6,900.00	6,697.79	106.98	32.69	-38.11	-1,238.60	-289.44	2,727.50	2,657.77	69.73	39.117		
10,800.00	7,143.08	6,900.00	6,697.79	109.69	32.69	-38.11	-1,238.60	-289.44	2,824.89	2,755.15	69.74	40.503		
10,900.00	7,141.27	6,900.00	6,697.79	112.41	32.69	-38.11	-1,238.60	-289.44	2,922.46	2,852.70	69.76	41.891		
11,000.00	7,139.45	6,900.00	6,697.79	115.13	32.69	-38.11	-1,238.60	-289.44	3,020.19	2,950.41	69.78	43.280		
11,100.00	7,137.63	6,900.00	6,697.79	117.86	32.69	-38.11	-1,238.60	-289.44	3,118.06	3,048.26	69.80	44.670		
11,200.00	7,135.82	6,900.00	6,697.79	120.59	32.69	-38.11	-1,238.60	-289.44	3,216.06	3,146.24	69.82	46.061		
11,300.00	7,134.00	6,900.00	6,697.79	123.33	32.69	-38.11	-1,238.60	-289.44	3,314.19	3,244.34	69.84	47.452		
11,400.00	7,132.18	6,879.58	6,677.60	126.07	32.62	-37.00	-1,238.61	-292.49	3,412.03	3,342.21	69.82	48.866		
11,500.00	7,130.36	6,877.24	6,675.28	128.82	32.61	-36.88	-1,238.62	-292.80	3,510.27	3,440.43	69.84	50.258		
11,600.00	7,128.55	6,875.01	6,673.07	131.57	32.60	-36.76	-1,238.62	-293.09	3,608.60	3,538.73	69.87	51.650		
11,700.00	7,126.73	6,872.88	6,670.96	134.33	32.59	-36.65	-1,238.62	-293.36	3,707.01	3,637.12	69.89	53.041		
11,800.00	7,124.91	6,870.85	6,668.94	137.09	32.58	-36.54	-1,238.62	-293.60	3,805.49	3,735.58	69.91	54.432		
11,900.00	7,123.10	6,850.00	6,648.21	139.85	32.51	-35.48	-1,238.63	-295.77	3,904.37	3,834.46	69.91	55.851		
12,000.00	7,121.28	6,850.00	6,648.21	142.62	32.51	-35.48	-1,238.63	-295.77	4,002.93	3,932.99	69.94	57.235		
12,100.00	7,119.46	6,850.00	6,648.21	145.39	32.51	-35.48	-1,238.63	-295.77	4,101.55	4,031.58	69.97	58.619		
12,200.00	7,117.64	6,850.00	6,648.21	148.16	32.51	-35.48	-1,238.63	-295.77	4,200.25	4,130.24	70.00	60.001		
12,300.00	7,115.83	6,850.00	6,648.21	150.94	32.51	-35.48	-1,238.63	-295.77	4,299.00	4,228.96	70.04	61.382		
12,400.00	7,114.01	6,850.00	6,648.21	153.72	32.51	-35.48	-1,238.63	-295.77	4,397.81	4,327.74	70.07	62.761		
12,500.00	7,112.19	6,850.00	6,648.21	156.50	32.51	-35.48	-1,238.63	-295.77	4,496.67	4,426.56	70.11	64.139		
12,600.00	7,110.37	6,850.00	6,648.21	159.28	32.51	-35.48	-1,238.63	-295.77	4,595.58	4,525.43	70.14	65.515		
12,700.00	7,108.56	6,850.00	6,648.21	162.07	32.51	-35.48	-1,238.63	-295.77	4,694.54	4,624.35	70.18	66.890		
12,800.00	7,106.74	6,850.00	6,648.21	164.86	32.51	-35.48	-1,238.63	-295.77	4,793.54	4,723.31	70.22	68.262		
12,900.00	7,104.92	6,850.00	6,648.21	167.65	32.51	-35.48	-1,238.63	-295.77	4,892.58	4,822.31	70.26	69.633		
13,000.00	7,103.11	6,850.00	6,648.21	170.44	32.51	-35.48	-1,238.63	-295.77	4,991.66	4,921.35	70.30	71.001		
13,100.00	7,101.29	6,850.00	6,648.21	173.23	32.51	-35.48	-1,238.63	-295.77	5,090.77	5,020.43	70.35	72.368		
13,200.00	7,099.47	6,850.00	6,648.21	176.03	32.51	-35.48	-1,238.63	-295.77	5,189.92	5,119.53	70.39	73.732		
13,300.00	7,097.65	6,850.00	6,648.21	178.82	32.51	-35.48	-1,238.63	-295.77	5,289.10	5,218.67	70.43	75.093		
13,400.00	7,095.84	6,850.00	6,648.21	181.62	32.51	-35.48	-1,238.63	-295.77	5,388.31	5,317.83	70.48	76.452		
13,500.00	7,094.02	6,850.00	6,648.21	184.42	32.51	-35.48	-1,238.63	-295.77	5,487.55	5,417.03	70.53	77.809		
13,600.00	7,092.20	6,850.00	6,648.21	187.22	32.51	-35.48	-1,238.63	-295.77	5,586.82	5,516.25	70.57	79.163		
13,700.00	7,090.39	6,850.00	6,648.21	190.03	32.51	-35.48	-1,238.63	-295.77	5,686.11	5,615.49	70.62	80.515		
13,800.00	7,088.57	6,850.00	6,648.21	192.83	32.51	-35.48	-1,238.63	-295.77	5,785.43	5,714.76	70.67	81.864		
13,900.00	7,086.75	6,850.00	6,648.21	195.64	32.51	-35.48	-1,238.63	-295.77	5,884.77	5,814.05	70.72	83.210		
14,000.00	7,084.93	6,850.00	6,648.21	198.44	32.51	-35.48	-1,238.63	-295.77	5,984.13	5,913.36	70.77	84.553		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,083.12	6,850.00	6,648.21	201.25	32.51	-35.48	-1,238.63	-295.77	6,083.52	6,012.69	70.83	85.893		
14,200.00	7,081.30	6,850.00	6,648.21	204.06	32.51	-35.48	-1,238.63	-295.77	6,182.92	6,112.04	70.88	87.231		
14,300.00	7,079.48	6,850.00	6,648.21	206.87	32.51	-35.48	-1,238.63	-295.77	6,282.34	6,211.41	70.93	88.565		
14,400.00	7,077.67	6,850.00	6,648.21	209.68	32.51	-35.48	-1,238.63	-295.77	6,381.78	6,310.79	70.99	89.896		
14,500.00	7,075.85	6,850.00	6,648.21	212.49	32.51	-35.48	-1,238.63	-295.77	6,481.24	6,410.19	71.05	91.225		
14,600.00	7,074.03	6,850.00	6,648.21	215.31	32.51	-35.48	-1,238.63	-295.77	6,580.71	6,509.61	71.10	92.550		
14,700.00	7,072.21	6,850.00	6,648.21	218.12	32.51	-35.48	-1,238.63	-295.77	6,680.20	6,609.04	71.16	93.872		
14,800.00	7,070.40	6,850.00	6,648.21	220.93	32.51	-35.48	-1,238.63	-295.77	6,779.71	6,708.48	71.22	95.191		
14,900.00	7,068.58	6,850.00	6,648.21	223.75	32.51	-35.48	-1,238.63	-295.77	6,879.22	6,807.94	71.28	96.506		
15,000.00	7,066.76	6,850.00	6,648.21	226.57	32.51	-35.48	-1,238.63	-295.77	6,978.76	6,907.41	71.34	97.818		
15,100.00	7,064.95	6,850.00	6,648.21	229.38	32.51	-35.48	-1,238.63	-295.77	7,078.30	7,006.90	71.41	99.127		
15,200.00	7,063.13	6,850.00	6,648.21	232.20	32.51	-35.48	-1,238.63	-295.77	7,177.86	7,106.39	71.47	100.433		
15,300.00	7,061.31	6,850.00	6,648.21	235.02	32.51	-35.48	-1,238.63	-295.77	7,277.43	7,205.90	71.53	101.735		
15,400.00	7,059.49	6,850.00	6,648.21	237.84	32.51	-35.48	-1,238.63	-295.77	7,377.01	7,305.41	71.60	103.033		
15,500.00	7,057.68	6,850.00	6,648.21	240.66	32.51	-35.48	-1,238.63	-295.77	7,476.61	7,404.94	71.66	104.328		
15,600.00	7,055.86	6,850.00	6,648.21	243.48	32.51	-35.48	-1,238.63	-295.77	7,576.21	7,504.48	71.73	105.620		
15,647.29	7,055.00	6,850.00	6,648.21	244.81	32.51	-35.48	-1,238.63	-295.77	7,623.32	7,551.56	71.76	106.230		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-174.15	-29.87	-3.06	30.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.15	-29.87	-3.06	30.03	23.46	6.57	4.571		
200.00	200.00	200.00	200.00	3.34	3.34	-174.15	-29.87	-3.06	30.03	23.36	6.67	4.499 CC, ES		
300.00	300.00	298.94	298.92	3.44	3.44	-173.55	-31.51	-3.56	31.73	24.83	6.89	4.602		
400.00	399.98	397.69	397.53	3.60	3.59	54.01	-36.39	-5.05	35.78	28.56	7.22	4.956		
500.00	499.84	496.07	495.55	3.79	3.78	61.09	-44.49	-7.52	41.59	33.95	7.64	5.446		
600.00	599.45	593.93	592.69	4.03	4.02	69.51	-55.74	-10.95	49.99	41.85	8.13	6.145		
700.00	698.70	691.70	689.32	4.30	4.29	77.67	-69.98	-15.29	61.49	52.81	8.68	7.084		
790.00	787.61	780.55	777.02	4.57	4.57	84.80	-83.58	-19.43	72.97	63.77	9.20	7.929		
800.00	797.47	809.59	786.76	4.60	4.66	85.60	-85.09	-19.89	74.30	64.98	9.32	7.971		
900.00	896.01	889.00	884.08	4.94	4.94	92.21	-100.18	-24.49	88.19	78.29	9.90	8.906		
1,000.00	994.55	987.60	981.40	5.30	5.30	96.99	-115.28	-29.09	102.93	92.34	10.60	9.714		
1,100.00	1,093.09	1,086.19	1,078.72	5.68	5.67	100.56	-130.37	-33.69	118.20	106.87	11.33	10.434		
1,200.00	1,191.63	1,184.78	1,176.04	6.08	6.06	103.30	-145.47	-38.29	133.81	121.72	12.09	11.066		
1,300.00	1,290.17	1,283.38	1,273.37	6.49	6.47	105.47	-160.56	-42.89	149.66	136.78	12.88	11.617		
1,400.00	1,388.71	1,381.97	1,370.69	6.91	6.88	107.23	-175.66	-47.49	165.68	151.99	13.69	12.099		
1,500.00	1,487.25	1,480.56	1,468.01	7.34	7.30	108.67	-190.75	-52.09	181.83	167.31	14.52	12.520		
1,600.00	1,585.79	1,579.16	1,565.33	7.77	7.72	109.88	-205.85	-56.70	198.07	182.70	15.37	12.890		
1,700.00	1,684.34	1,677.75	1,662.66	8.22	8.16	110.91	-220.94	-61.30	214.38	198.16	16.22	13.215		
1,800.00	1,782.88	1,776.34	1,759.98	8.66	8.59	111.79	-236.04	-65.90	230.75	213.66	17.09	13.504		
1,900.00	1,881.42	1,874.94	1,857.30	9.12	9.03	112.55	-251.13	-70.50	247.17	229.20	17.96	13.760		
2,000.00	1,979.96	1,973.53	1,954.62	9.57	9.48	113.22	-266.23	-75.10	263.62	244.78	18.84	13.989		
2,100.00	2,078.50	2,072.12	2,051.95	10.03	9.92	113.81	-281.32	-79.70	280.11	260.37	19.73	14.194		
2,200.00	2,177.04	2,170.72	2,149.27	10.49	10.37	114.34	-296.42	-84.30	296.62	275.99	20.63	14.379		
2,300.00	2,275.58	2,269.31	2,246.59	10.95	10.83	114.81	-311.51	-88.90	313.15	291.62	21.53	14.547		
2,400.00	2,374.12	2,367.90	2,343.91	11.42	11.28	115.23	-326.60	-93.50	329.70	307.27	22.43	14.698		
2,500.00	2,472.66	2,466.50	2,441.23	11.89	11.74	115.61	-341.70	-98.10	346.26	322.93	23.34	14.837		
2,600.00	2,571.20	2,565.09	2,538.56	12.36	12.19	115.96	-356.79	-102.70	362.84	338.60	24.25	14.963		
2,700.00	2,669.74	2,663.68	2,635.88	12.83	12.65	116.27	-371.89	-107.30	379.44	354.27	25.16	15.079		
2,800.00	2,768.28	2,762.28	2,733.20	13.30	13.11	116.56	-386.98	-111.90	396.04	369.96	26.08	15.186		
2,900.00	2,866.83	2,860.87	2,830.52	13.78	13.57	116.83	-402.08	-116.50	412.65	385.65	27.00	15.284		
3,000.00	2,965.37	2,959.46	2,927.85	14.25	14.04	117.08	-417.17	-121.10	429.27	401.35	27.92	15.375		
3,100.00	3,063.91	3,058.06	3,025.17	14.73	14.50	117.30	-432.27	-125.70	445.89	417.05	28.84	15.460		
3,200.00	3,162.45	3,156.65	3,122.49	15.20	14.96	117.51	-447.36	-130.30	462.53	432.76	29.77	15.538		
3,300.00	3,260.99	3,255.24	3,219.81	15.68	15.43	117.71	-462.46	-134.90	479.16	448.47	30.69	15.611		
3,400.00	3,359.53	3,353.84	3,317.13	16.16	15.90	117.89	-477.55	-139.50	495.81	464.19	31.62	15.679		
3,500.00	3,458.07	3,452.43	3,414.46	16.64	16.36	118.07	-492.65	-144.10	512.46	479.90	32.55	15.743		
3,600.00	3,556.61	3,551.02	3,511.78	17.12	16.83	118.23	-507.74	-148.71	529.11	495.63	33.48	15.803		
3,700.00	3,655.15	3,649.62	3,609.10	17.60	17.30	118.38	-522.84	-153.31	545.76	511.35	34.41	15.859		
3,800.00	3,753.69	3,748.21	3,706.42	18.08	17.76	118.52	-537.93	-157.91	562.42	527.08	35.35	15.912		
3,900.00	3,852.23	3,846.80	3,803.75	18.56	18.23	118.65	-553.03	-162.51	579.09	542.81	36.28	15.962		
4,000.00	3,950.77	3,945.40	3,901.07	19.04	18.70	118.78	-568.12	-167.11	595.75	558.54	37.21	16.009		
4,100.00	4,049.31	4,043.99	3,998.39	19.52	19.17	118.90	-583.21	-171.71	612.42	574.27	38.15	16.053		
4,200.00	4,147.86	4,142.58	4,095.71	20.00	19.64	119.01	-598.31	-176.31	629.09	590.00	39.09	16.095		
4,300.00	4,246.40	4,241.18	4,193.03	20.49	20.11	119.12	-613.40	-180.91	645.76	605.74	40.02	16.135		
4,400.00	4,344.94	4,339.77	4,290.36	20.97	20.58	119.22	-628.50	-185.51	662.44	621.48	40.96	16.173		
4,500.00	4,443.48	4,438.36	4,387.68	21.45	21.05	119.32	-643.59	-190.11	679.11	637.22	41.90	16.209		
4,600.00	4,542.02	4,536.96	4,485.00	21.94	21.52	119.41	-658.69	-194.71	695.79	652.96	42.84	16.243		
4,700.00	4,640.56	4,635.55	4,582.32	22.42	21.99	119.50	-673.78	-199.31	712.47	668.70	43.78	16.275		
4,800.00	4,739.10	4,734.14	4,679.65	22.91	22.46	119.58	-688.88	-203.91	729.16	684.44	44.72	16.306		
4,900.00	4,837.64	4,832.74	4,776.97	23.39	22.93	119.66	-703.97	-208.51	745.84	700.18	45.66	16.336		
5,000.00	4,936.18	4,931.33	4,874.29	23.87	23.41	119.74	-719.07	-213.11	762.52	715.93	46.60	16.364		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	5,029.92	4,971.61	24.36	23.88	119.81	-734.16	-217.71	779.21	731.67	47.54	16.391		
5,200.00	5,133.26	5,128.52	5,068.93	24.84	24.35	119.88	-749.26	-222.31	795.90	747.42	48.48	16.417		
5,300.00	5,231.80	5,227.11	5,166.26	25.33	24.82	119.95	-764.35	-226.91	812.58	763.16	49.42	16.442		
5,400.00	5,330.34	5,325.70	5,263.58	25.82	25.30	120.02	-779.45	-231.51	829.27	778.91	50.36	16.465		
5,500.00	5,428.89	5,424.29	5,360.90	26.30	25.77	120.08	-794.54	-236.12	845.96	794.66	51.31	16.488		
5,600.00	5,527.43	5,522.89	5,458.22	26.79	26.24	120.14	-809.64	-240.72	862.66	810.41	52.25	16.510		
5,700.00	5,625.97	5,621.48	5,555.55	27.27	26.71	120.20	-824.73	-245.32	879.35	826.15	53.19	16.531		
5,800.00	5,724.51	5,720.07	5,652.87	27.76	27.19	120.25	-839.82	-249.92	896.04	841.90	54.14	16.551		
5,900.00	5,823.05	5,818.67	5,750.19	28.24	27.66	120.30	-854.92	-254.52	912.73	857.65	55.08	16.571		
6,000.00	5,921.59	5,917.26	5,847.51	28.73	28.13	120.36	-870.01	-259.12	929.43	873.40	56.03	16.589		
6,100.00	6,020.13	6,015.85	5,947.05	29.22	28.65	120.41	-885.10	-263.72	946.13	889.50	56.97	16.607		
6,200.00	6,118.67	6,114.43	6,044.59	29.70	29.15	120.46	-900.19	-268.32	962.83	906.60	57.91	16.625		
6,300.00	6,217.21	6,213.02	6,143.13	30.19	29.66	120.51	-915.28	-272.92	979.53	923.30	58.85	16.643		
6,400.00	6,315.75	6,311.61	6,241.67	30.68	30.16	120.56	-930.37	-277.52	996.23	940.80	59.79	16.661		
6,500.00	6,414.29	6,410.20	6,340.21	31.16	30.65	120.61	-945.46	-282.12	1,012.93	958.30	60.73	16.679		
6,582.51	6,495.60	6,491.66	6,411.52	31.57	31.07	120.66	-960.55	-286.72	1,029.63	975.80	61.67	16.697		
6,600.00	6,512.86	6,508.99	6,438.78	31.65	31.16	120.67	-965.64	-287.27	1,034.72	980.90	61.74	16.700		
6,650.00	6,562.39	6,558.58	6,488.31	31.88	31.39	120.68	-976.73	-288.36	1,045.81	992.00	62.83	16.711		
6,700.00	6,611.96	6,608.19	6,537.88	32.08	31.60	120.69	-987.82	-289.45	1,056.90	1,003.10	63.92	16.722		
6,750.00	6,661.26	6,657.49	6,587.45	32.27	31.80	120.70	-998.91	-290.54	1,068.00	1,014.20	65.01	16.733		
6,800.00	6,709.99	6,706.26	6,636.98	32.44	32.00	120.71	-1,010.00	-291.63	1,079.10	1,025.30	66.10	16.744		
6,850.00	6,757.84	6,754.14	6,686.51	32.61	32.19	120.72	-1,021.09	-292.72	1,090.20	1,036.40	67.19	16.755		
6,900.00	6,804.53	6,800.87	6,736.04	32.77	32.35	120.73	-1,032.18	-293.81	1,101.30	1,047.50	68.28	16.766		
6,950.00	6,849.77	6,846.15	6,781.28	32.92	32.50	120.74	-1,043.27	-294.90	1,112.40	1,058.60	69.37	16.777		
7,000.00	6,893.27	6,889.69	6,825.81	33.07	32.65	120.75	-1,054.36	-296.00	1,123.50	1,069.70	70.46	16.788		
7,042.56	6,928.73	6,925.19	6,861.27	33.21	32.80	120.76	-1,065.45	-297.09	1,134.60	1,080.80	71.55	16.799		
7,050.00	6,934.77	6,931.27	6,867.31	33.23	32.82	120.76	-1,067.00	-297.19	1,136.15	1,082.35	71.65	16.800		
7,100.00	6,974.01	6,970.56	6,906.55	33.39	32.98	120.77	-1,078.10	-298.28	1,147.25	1,093.45	72.74	16.811		
7,150.00	7,010.75	7,007.35	6,943.29	33.55	33.14	120.78	-1,089.20	-299.37	1,158.35	1,104.55	73.83	16.822		
7,200.00	7,044.77	7,041.42	6,977.31	33.72	33.31	120.79	-1,100.30	-300.46	1,169.45	1,115.65	74.92	16.833		
7,250.00	7,075.85	7,072.55	7,008.39	33.92	33.51	120.80	-1,111.40	-301.55	1,180.55	1,126.75	76.01	16.844		
7,300.00	7,103.80	7,100.55	7,036.34	34.13	33.72	120.81	-1,122.50	-302.64	1,191.65	1,137.85	77.10	16.855		
7,350.00	7,128.45	7,125.25	7,061.99	34.38	34.00	120.82	-1,133.60	-303.73	1,202.75	1,148.95	78.19	16.866		
7,400.00	7,149.65	7,146.45	7,084.19	34.67	34.39	120.83	-1,144.70	-304.82	1,213.85	1,160.05	79.28	16.877		
7,450.00	7,167.26	7,164.06	7,103.79	35.00	34.72	120.84	-1,155.80	-305.91	1,224.95	1,171.15	80.37	16.888		
7,500.00	7,181.19	7,178.04	7,119.72	35.38	35.10	120.85	-1,166.90	-307.00	1,236.05	1,182.25	81.46	16.899		
7,550.00	7,191.34	7,188.19	7,131.87	35.81	35.53	120.86	-1,178.00	-308.09	1,247.15	1,193.35	82.55	16.910		
7,600.00	7,197.65	7,194.50	7,139.18	36.28	36.00	120.87	-1,189.10	-309.18	1,258.25	1,204.45	83.64	16.921		
7,650.00	7,200.08	7,196.93	7,143.61	36.80	36.52	120.88	-1,200.20	-310.27	1,269.35	1,215.55	84.73	16.932		
7,667.87	7,200.00	7,196.93	7,143.61	36.99	36.71	120.89	-1,202.29	-310.36	1,270.45	1,216.65	84.82	16.933		
7,700.00	7,199.42	7,196.27	7,143.13	37.35	37.07	120.90	-1,213.39	-311.45	1,281.55	1,227.75	85.91	16.944		
7,800.00	7,197.60	7,194.45	7,141.31	38.62	38.34	120.91	-1,224.49	-312.54	1,292.65	1,238.85	87.00	16.955		
7,900.00	7,195.78	7,192.63	7,139.49	40.06	39.78	120.92	-1,235.59	-313.63	1,303.75	1,249.95	88.09	16.966		
8,000.00	7,193.97	7,190.82	7,137.67	41.66	41.38	120.93	-1,246.69	-314.72	1,314.85	1,261.05	89.18	16.977		
8,100.00	7,192.15	7,189.00	7,135.85	43.40	43.12	120.94	-1,257.79	-315.81	1,325.95	1,272.15	90.27	16.988		
8,200.00	7,190.33	7,187.18	7,134.03	45.25	44.97	120.95	-1,268.89	-316.90	1,337.05	1,283.25	91.36	16.999		
8,300.00	7,188.51	7,185.36	7,132.21	47.20	46.92	120.96	-1,279.99	-317.99	1,348.15	1,294.35	92.45	17.010		
8,400.00	7,186.70	7,183.55	7,130.39	49.25	48.97	120.97	-1,291.09	-319.08	1,359.25	1,305.45	93.54	17.021		
8,500.00	7,184.88	7,181.73	7,128.57	51.37	51.09	120.98	-1,302.19	-320.17	1,370.35	1,316.55	94.63	17.032		
8,600.00	7,183.06	7,179.91	7,126.75	53.56	53.28	120.99	-1,313.29	-321.26	1,381.45	1,327.65	95.72	17.043		
8,700.00	7,181.24	7,178.09	7,124.93	55.81	55.53	121.00	-1,324.39	-322.35	1,392.55	1,338.75	96.81	17.054		
8,800.00	7,179.43	7,176.28	7,123.11	58.11	57.83	121.01	-1,335.49	-323.44	1,403.65	1,349.85	97.90	17.065		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	6,678.80	6,584.19	60.46	31.45	-12.55	-984.09	-190.62	1,142.29	1,082.82	59.47	19.209		
9,000.00	7,175.79	6,650.00	6,559.32	62.85	31.37	-11.73	-980.26	-204.63	1,226.93	1,167.00	59.93	20.473		
9,100.00	7,173.98	6,650.00	6,559.32	65.28	31.37	-11.73	-980.26	-204.63	1,312.86	1,251.97	60.89	21.560		
9,200.00	7,172.16	6,629.74	6,541.47	67.74	31.30	-11.17	-977.51	-213.79	1,400.19	1,338.87	61.33	22.832		
9,300.00	7,170.34	6,616.13	6,529.32	70.23	31.26	-10.81	-975.64	-219.63	1,488.72	1,426.92	61.80	24.089		
9,400.00	7,168.52	6,600.00	6,514.76	72.74	31.20	-10.39	-973.39	-226.20	1,578.27	1,516.10	62.17	25.388		
9,500.00	7,166.71	6,600.00	6,514.76	75.28	31.20	-10.39	-973.39	-226.20	1,668.75	1,606.06	62.69	26.620		
9,600.00	7,164.89	6,581.50	6,497.87	77.84	31.14	-9.93	-970.79	-233.27	1,759.90	1,696.98	62.92	27.972		
9,700.00	7,163.07	6,571.67	6,488.81	80.43	31.10	-9.69	-969.39	-236.83	1,851.81	1,788.60	63.21	29.297		
9,800.00	7,161.26	6,550.00	6,468.66	83.02	31.03	-9.17	-966.28	-244.17	1,944.50	1,881.15	63.35	30.695		
9,900.00	7,159.44	6,550.00	6,468.66	85.64	31.03	-9.17	-966.28	-244.17	2,037.43	1,973.76	63.67	31.999		
10,000.00	7,157.62	6,550.00	6,468.66	88.27	31.03	-9.17	-966.28	-244.17	2,131.01	2,067.05	63.95	33.321		
10,100.00	7,155.80	6,550.00	6,468.66	90.91	31.03	-9.17	-966.28	-244.17	2,225.14	2,160.94	64.20	34.658		
10,200.00	7,153.99	6,550.00	6,468.66	93.56	31.03	-9.17	-966.28	-244.17	2,319.77	2,255.34	64.42	36.008		
10,300.00	7,152.17	6,525.40	6,445.50	96.23	30.94	-8.62	-962.70	-251.65	2,414.23	2,349.77	64.46	37.455		
10,400.00	7,150.35	6,519.32	6,439.73	98.90	30.92	-8.48	-961.81	-253.36	2,509.34	2,444.74	64.61	38.841		
10,500.00	7,148.54	6,500.00	6,421.31	101.59	30.84	-8.07	-958.96	-258.42	2,604.94	2,540.27	64.67	40.283		
10,600.00	7,146.72	6,500.00	6,421.31	104.28	30.84	-8.07	-958.96	-258.42	2,700.51	2,635.69	64.83	41.656		
10,700.00	7,144.90	6,500.00	6,421.31	106.98	30.84	-8.07	-958.96	-258.42	2,796.40	2,731.42	64.98	43.036		
10,800.00	7,143.08	6,500.00	6,421.31	109.69	30.84	-8.07	-958.96	-258.42	2,892.56	2,827.45	65.12	44.422		
10,900.00	7,141.27	6,500.00	6,421.31	112.41	30.84	-8.07	-958.96	-258.42	2,988.98	2,923.73	65.24	45.813		
11,000.00	7,139.45	6,500.00	6,421.31	115.13	30.84	-8.07	-958.96	-258.42	3,085.62	3,020.26	65.36	47.210		
11,100.00	7,137.63	6,500.00	6,421.31	117.86	30.84	-8.07	-958.96	-258.42	3,182.47	3,117.00	65.47	48.610		
11,200.00	7,135.82	6,500.00	6,421.31	120.59	30.84	-8.07	-958.96	-258.42	3,279.51	3,213.94	65.57	50.013		
11,300.00	7,134.00	6,477.73	6,399.89	123.33	30.76	-7.62	-955.65	-263.55	3,376.26	3,310.67	65.59	51.478		
11,400.00	7,132.18	6,474.20	6,396.48	126.07	30.74	-7.55	-955.12	-264.29	3,473.48	3,407.81	65.67	52.893		
11,500.00	7,130.36	6,470.83	6,393.22	128.82	30.73	-7.48	-954.62	-264.99	3,570.82	3,505.07	65.75	54.309		
11,600.00	7,128.55	6,450.00	6,373.00	131.57	30.65	-7.08	-951.49	-268.87	3,668.58	3,602.81	65.77	55.779		
11,700.00	7,126.73	6,450.00	6,373.00	134.33	30.65	-7.08	-951.49	-268.87	3,766.07	3,700.22	65.86	57.185		
11,800.00	7,124.91	6,450.00	6,373.00	137.09	30.65	-7.08	-951.49	-268.87	3,863.70	3,797.75	65.94	58.592		
11,900.00	7,123.10	6,450.00	6,373.00	139.85	30.65	-7.08	-951.49	-268.87	3,961.44	3,895.41	66.02	59.999		
12,000.00	7,121.28	6,450.00	6,373.00	142.62	30.65	-7.08	-951.49	-268.87	4,059.29	3,993.18	66.10	61.407		
12,100.00	7,119.46	6,450.00	6,373.00	145.39	30.65	-7.08	-951.49	-268.87	4,157.24	4,091.06	66.18	62.816		
12,200.00	7,117.64	6,450.00	6,373.00	148.16	30.65	-7.08	-951.49	-268.87	4,255.29	4,189.03	66.26	64.224		
12,300.00	7,115.83	6,450.00	6,373.00	150.94	30.65	-7.08	-951.49	-268.87	4,353.42	4,287.09	66.33	65.632		
12,400.00	7,114.01	6,450.00	6,373.00	153.72	30.65	-7.08	-951.49	-268.87	4,451.64	4,385.24	66.40	67.039		
12,500.00	7,112.19	6,450.00	6,373.00	156.50	30.65	-7.08	-951.49	-268.87	4,549.94	4,483.47	66.48	68.446		
12,600.00	7,110.37	6,450.00	6,373.00	159.28	30.65	-7.08	-951.49	-268.87	4,648.31	4,581.77	66.55	69.851		
12,700.00	7,108.56	6,450.00	6,373.00	162.07	30.65	-7.08	-951.49	-268.87	4,746.75	4,680.13	66.62	71.256		
12,800.00	7,106.74	6,450.00	6,373.00	164.86	30.65	-7.08	-951.49	-268.87	4,845.25	4,778.57	66.68	72.659		
12,900.00	7,104.92	6,450.00	6,373.00	167.65	30.65	-7.08	-951.49	-268.87	4,943.81	4,877.06	66.75	74.061		
13,000.00	7,103.11	6,450.00	6,373.00	170.44	30.65	-7.08	-951.49	-268.87	5,042.43	4,975.61	66.82	75.461		
13,100.00	7,101.29	6,450.00	6,373.00	173.23	30.65	-7.08	-951.49	-268.87	5,141.11	5,074.22	66.89	76.860		
13,200.00	7,099.47	6,450.00	6,373.00	176.03	30.65	-7.08	-951.49	-268.87	5,239.83	5,172.87	66.96	78.256		
13,300.00	7,097.65	6,450.00	6,373.00	178.82	30.65	-7.08	-951.49	-268.87	5,338.60	5,271.57	67.02	79.651		
13,400.00	7,095.84	6,427.53	6,351.06	181.62	30.55	-6.66	-948.10	-272.31	5,436.97	5,369.93	67.04	81.096		
13,500.00	7,094.02	6,425.98	6,349.54	184.42	30.54	-6.63	-947.86	-272.52	5,535.77	5,468.66	67.11	82.490		
13,600.00	7,092.20	6,424.48	6,348.07	187.22	30.54	-6.61	-947.63	-272.72	5,634.60	5,567.43	67.17	83.881		
13,700.00	7,090.39	6,423.02	6,346.64	190.03	30.53	-6.58	-947.41	-272.91	5,733.47	5,666.23	67.24	85.270		
13,800.00	7,088.57	6,400.00	6,324.03	192.83	30.43	-6.18	-943.91	-275.45	5,832.78	5,765.52	67.26	86.718		
13,900.00	7,086.75	6,400.00	6,324.03	195.64	30.43	-6.18	-943.91	-275.45	5,931.67	5,864.34	67.33	88.096		
14,000.00	7,084.93	6,400.00	6,324.03	198.44	30.43	-6.18	-943.91	-275.45	6,030.60	5,963.20	67.40	89.473		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,083.12	6,400.00	6,324.03	201.25	30.43	-6.18	-943.91	-275.45	6,129.56	6,062.09	67.47	90.847		
14,200.00	7,081.30	6,400.00	6,324.03	204.06	30.43	-6.18	-943.91	-275.45	6,228.55	6,161.01	67.54	92.218		
14,300.00	7,079.48	6,400.00	6,324.03	206.87	30.43	-6.18	-943.91	-275.45	6,327.58	6,259.96	67.61	93.586		
14,400.00	7,077.67	6,400.00	6,324.03	209.68	30.43	-6.18	-943.91	-275.45	6,426.63	6,358.95	67.68	94.951		
14,500.00	7,075.85	6,400.00	6,324.03	212.49	30.43	-6.18	-943.91	-275.45	6,525.71	6,457.96	67.76	96.313		
14,600.00	7,074.03	6,400.00	6,324.03	215.31	30.43	-6.18	-943.91	-275.45	6,624.83	6,557.00	67.83	97.673		
14,700.00	7,072.21	6,400.00	6,324.03	218.12	30.43	-6.18	-943.91	-275.45	6,723.96	6,656.06	67.90	99.029		
14,800.00	7,070.40	6,400.00	6,324.03	220.93	30.43	-6.18	-943.91	-275.45	6,823.13	6,755.15	67.97	100.382		
14,900.00	7,068.58	6,400.00	6,324.03	223.75	30.43	-6.18	-943.91	-275.45	6,922.31	6,854.27	68.04	101.731		
15,000.00	7,066.76	6,400.00	6,324.03	226.57	30.43	-6.18	-943.91	-275.45	7,021.52	6,953.40	68.12	103.078		
15,100.00	7,064.95	6,400.00	6,324.03	229.38	30.43	-6.18	-943.91	-275.45	7,120.76	7,052.56	68.19	104.421		
15,200.00	7,063.13	6,400.00	6,324.03	232.20	30.43	-6.18	-943.91	-275.45	7,220.01	7,151.74	68.27	105.761		
15,300.00	7,061.31	6,400.00	6,324.03	235.02	30.43	-6.18	-943.91	-275.45	7,319.28	7,250.94	68.34	107.097		
15,400.00	7,059.49	6,400.00	6,324.03	237.84	30.43	-6.18	-943.91	-275.45	7,418.58	7,350.16	68.42	108.430		
15,500.00	7,057.68	6,400.00	6,324.03	240.66	30.43	-6.18	-943.91	-275.45	7,517.89	7,449.39	68.49	109.759		
15,600.00	7,055.86	6,400.00	6,324.03	243.48	30.43	-6.18	-943.91	-275.45	7,617.22	7,548.65	68.57	111.084		
15,647.29	7,055.00	6,400.00	6,324.03	244.81	30.43	-6.18	-943.91	-275.45	7,664.20	7,595.59	68.61	111.710		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.56	134.43	13.08	135.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.56	134.43	13.08	135.06	128.49	6.57	20.559		
200.00	200.00	200.00	200.00	3.34	3.34	5.56	134.43	13.08	135.06	128.39	6.67	20.237 CC, ES		
300.00	300.00	296.43	296.41	3.44	3.44	5.99	135.58	14.22	136.37	129.48	6.89	19.790		
400.00	399.98	392.61	392.47	3.60	3.59	-129.23	139.04	17.62	141.45	134.24	7.21	19.618		
500.00	499.84	488.24	487.75	3.79	3.79	-128.68	144.76	23.24	151.39	143.77	7.62	19.869		
600.00	599.45	582.98	581.84	4.03	4.02	-128.35	152.65	31.01	166.11	158.00	8.11	20.491		
700.00	698.70	676.51	674.31	4.30	4.28	-128.20	162.62	40.81	185.54	176.88	8.66	21.437		
790.00	787.61	759.41	755.86	4.57	4.53	-128.15	173.25	51.26	206.98	197.79	9.19	22.518		
800.00	797.47	768.54	764.81	4.60	4.56	-128.19	174.52	52.51	209.58	200.32	9.26	22.642		
900.00	896.01	861.88	856.08	4.94	4.87	-128.32	188.46	66.22	236.65	226.77	9.88	23.963		
1,000.00	994.55	958.04	950.02	5.30	5.22	-128.37	203.13	80.64	264.07	253.53	10.54	25.053		
1,100.00	1,093.09	1,054.21	1,043.96	5.68	5.59	-128.40	217.79	95.06	291.49	280.25	11.24	25.929		
1,200.00	1,191.63	1,150.38	1,137.90	6.08	5.97	-128.43	232.46	109.49	318.92	306.94	11.97	26.635		
1,300.00	1,290.17	1,246.54	1,231.84	6.49	6.37	-128.46	247.12	123.91	346.34	333.61	12.73	27.203		
1,400.00	1,388.71	1,342.71	1,325.79	6.91	6.78	-128.48	261.79	138.33	373.76	360.25	13.51	27.665		
1,500.00	1,487.25	1,438.88	1,419.73	7.34	7.20	-128.50	276.45	152.75	401.18	386.88	14.31	28.041		
1,600.00	1,585.79	1,535.04	1,513.67	7.77	7.62	-128.52	291.12	167.17	428.61	413.49	15.12	28.348		
1,700.00	1,684.34	1,631.21	1,607.61	8.22	8.05	-128.54	305.78	181.59	456.03	440.09	15.94	28.602		
1,800.00	1,782.88	1,727.38	1,701.55	8.66	8.49	-128.55	320.45	196.02	483.45	466.67	16.78	28.812		
1,900.00	1,881.42	1,823.54	1,795.49	9.12	8.93	-128.56	335.12	210.44	510.87	493.25	17.62	28.987		
2,000.00	1,979.96	1,919.71	1,889.43	9.57	9.38	-128.57	349.78	224.86	538.30	519.82	18.48	29.133		
2,100.00	2,078.50	2,015.87	1,983.37	10.03	9.82	-128.58	364.45	239.28	565.72	546.38	19.34	29.256		
2,200.00	2,177.04	2,112.04	2,077.31	10.49	10.27	-128.59	379.11	253.70	593.14	572.94	20.20	29.359		
2,300.00	2,275.58	2,208.21	2,171.26	10.95	10.73	-128.60	393.78	268.12	620.57	599.49	21.07	29.447		
2,400.00	2,374.12	2,304.37	2,265.20	11.42	11.18	-128.60	408.44	282.55	647.99	626.04	21.95	29.521		
2,500.00	2,472.66	2,400.54	2,359.14	11.89	11.64	-128.61	423.11	296.97	675.41	652.58	22.83	29.584		
2,600.00	2,571.20	2,503.29	2,453.08	12.36	12.13	-128.62	437.77	311.39	702.83	679.09	23.74	29.599		
2,700.00	2,669.74	2,607.13	2,547.02	12.83	12.63	-128.62	452.44	325.81	730.26	705.59	24.67	29.603		
2,800.00	2,768.28	2,699.04	2,640.96	13.30	13.02	-128.63	467.10	340.23	757.68	732.19	25.49	29.723		
2,900.00	2,866.83	2,785.21	2,734.90	13.78	13.49	-128.63	481.77	354.65	785.10	758.72	26.38	29.757		
3,000.00	2,965.37	2,881.37	2,828.84	14.25	13.95	-128.64	496.43	369.08	812.52	785.25	27.28	29.785		
3,100.00	3,063.91	2,977.54	2,922.78	14.73	14.42	-128.64	511.10	383.50	839.95	811.77	28.18	29.810		
3,200.00	3,162.45	3,073.71	3,016.72	15.20	14.88	-128.65	525.77	397.92	867.37	838.29	29.08	29.831		
3,300.00	3,260.99	3,169.87	3,110.67	15.68	15.35	-128.65	540.43	412.34	894.79	864.82	29.98	29.849		
3,400.00	3,359.53	3,266.04	3,204.61	16.16	15.82	-128.65	555.10	426.76	922.22	891.34	30.88	29.865		
3,500.00	3,458.07	3,362.21	3,298.55	16.64	16.29	-128.66	569.76	441.18	949.64	917.86	31.78	29.878		
3,600.00	3,556.61	3,458.37	3,392.49	17.12	16.76	-128.66	584.43	455.61	977.06	944.37	32.69	29.889		
3,700.00	3,655.15	3,554.54	3,486.43	17.60	17.22	-128.66	599.09	470.03	1,004.48	970.89	33.60	29.899		
3,800.00	3,753.69	3,650.70	3,580.37	18.08	17.70	-128.67	613.76	484.45	1,031.91	997.40	34.50	29.907		
3,900.00	3,852.23	3,746.87	3,674.31	18.56	18.17	-128.67	628.42	498.87	1,059.33	1,023.92	35.41	29.913		
4,000.00	3,950.77	3,843.04	3,768.25	19.04	18.64	-128.67	643.09	513.29	1,086.75	1,050.43	36.32	29.919		
4,100.00	4,049.31	3,939.20	3,862.19	19.52	19.11	-128.67	657.75	527.71	1,114.18	1,076.94	37.23	29.923		
4,200.00	4,147.86	4,035.37	3,956.14	20.00	19.58	-128.68	672.42	542.14	1,141.60	1,103.45	38.15	29.927		
4,300.00	4,246.40	4,131.54	4,050.08	20.49	20.05	-128.68	687.08	556.56	1,169.02	1,129.96	39.06	29.930		
4,400.00	4,344.94	4,227.70	4,144.02	20.97	20.53	-128.68	701.75	570.98	1,196.44	1,156.47	39.97	29.932		
4,500.00	4,443.48	4,323.87	4,237.96	21.45	21.00	-128.68	716.42	585.40	1,223.87	1,182.98	40.89	29.933		
4,600.00	4,542.02	4,420.04	4,331.90	21.94	21.47	-128.68	731.08	599.82	1,251.29	1,209.49	41.80	29.934		
4,700.00	4,640.56	4,516.20	4,425.84	22.42	21.95	-128.69	745.75	614.24	1,278.71	1,236.00	42.72	29.935		
4,800.00	4,739.10	4,612.37	4,519.78	22.91	22.42	-128.69	760.41	628.67	1,306.14	1,262.50	43.63	29.935		
4,900.00	4,837.64	4,708.54	4,613.72	23.39	22.90	-128.69	775.08	643.09	1,333.56	1,289.01	44.55	29.934		
5,000.00	4,936.18	4,804.70	4,707.66	23.87	23.37	-128.69	789.74	657.51	1,360.98	1,315.51	45.47	29.934		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	4,900.87	4,801.61	24.36	23.84	-128.69	804.41	671.93	1,388.40	1,342.02	46.38	29.933		
5,200.00	5,133.26	4,997.03	4,895.55	24.84	24.32	-128.69	819.07	686.35	1,415.83	1,368.52	47.30	29.931		
5,300.00	5,231.80	5,106.80	4,989.49	25.33	24.86	-128.69	833.74	700.77	1,443.25	1,394.96	48.29	29.889		
5,400.00	5,330.34	5,189.37	5,083.43	25.82	25.27	-128.70	848.40	715.20	1,470.67	1,421.53	49.14	29.928		
5,500.00	5,428.89	5,285.53	5,177.37	26.30	25.74	-128.70	863.07	729.62	1,498.10	1,448.04	50.06	29.926		
5,600.00	5,527.43	5,381.70	5,271.31	26.79	26.22	-128.70	877.73	744.04	1,525.52	1,474.54	50.98	29.924		
5,700.00	5,625.97	5,477.87	5,365.25	27.27	26.70	-128.70	892.40	758.46	1,552.94	1,501.04	51.90	29.922		
5,800.00	5,724.51	5,574.03	5,459.19	27.76	27.17	-128.70	907.06	772.88	1,580.36	1,527.54	52.82	29.920		
5,900.00	5,823.05	5,670.20	5,553.13	28.24	27.65	-128.70	921.73	787.30	1,607.79	1,554.05	53.74	29.917		
6,000.00	5,921.59	5,766.37	5,647.08	28.73	28.12	-128.70	936.40	801.73	1,635.21	1,580.55	54.66	29.915		
6,100.00	6,020.13	5,862.53	5,741.02	29.22	28.60	-128.70	951.06	816.15	1,662.63	1,607.05	55.58	29.912		
6,200.00	6,118.67	5,958.70	5,834.96	29.70	29.08	-128.71	965.73	830.57	1,690.05	1,633.55	56.51	29.910		
6,300.00	6,217.21	6,054.87	5,928.90	30.19	29.55	-128.71	980.39	844.99	1,717.48	1,660.05	57.43	29.907		
6,400.00	6,315.75	6,151.03	6,022.84	30.68	30.03	-128.71	995.06	859.41	1,744.90	1,686.55	58.35	29.904		
6,500.00	6,414.29	6,247.20	6,116.78	31.16	30.51	-128.71	1,009.72	873.83	1,772.32	1,713.05	59.27	29.901		
6,582.51	6,495.60	6,326.55	6,194.29	31.57	30.90	-128.71	1,021.82	885.73	1,794.95	1,734.92	60.03	29.899		
6,600.00	6,512.86	6,343.35	6,210.71	31.65	30.98	-136.66	1,024.39	888.25	1,799.78	1,739.59	60.19	29.899		
6,650.00	6,562.39	6,408.83	6,257.43	31.88	31.31	-168.28	1,031.68	895.43	1,813.96	1,753.24	60.73	29.871		
6,700.00	6,611.96	6,438.43	6,303.59	32.08	31.45	157.74	1,038.89	902.51	1,828.64	1,767.57	61.07	29.945		
6,750.00	6,661.26	6,484.83	6,348.92	32.27	31.68	135.94	1,045.96	909.47	1,843.77	1,782.29	61.48	29.992		
6,800.00	6,709.99	6,530.09	6,393.13	32.44	31.91	123.62	1,052.86	916.26	1,859.31	1,797.44	61.87	30.051		
6,850.00	6,757.84	6,610.32	6,472.02	32.61	32.28	116.41	1,065.00	923.81	1,874.88	1,812.31	62.57	29.962		
6,900.00	6,804.53	6,700.52	6,561.09	32.77	32.65	111.61	1,078.25	920.27	1,889.79	1,826.50	63.29	29.857		
6,950.00	6,849.77	6,796.88	6,654.76	32.92	33.00	108.08	1,091.63	902.49	1,903.80	1,839.81	63.99	29.750		
7,000.00	6,893.27	6,898.65	6,749.68	33.07	33.36	105.28	1,104.58	868.48	1,916.71	1,852.03	64.68	29.635		
7,050.00	6,934.77	7,004.35	6,841.37	33.23	33.74	102.87	1,116.40	817.49	1,928.32	1,862.96	65.36	29.503		
7,100.00	6,974.01	7,100.00	6,909.95	33.39	34.13	100.71	1,124.64	764.04	1,938.50	1,872.48	66.02	29.363		
7,150.00	7,010.75	7,218.74	6,995.76	33.55	34.71	98.62	1,133.97	671.25	1,947.18	1,880.29	66.89	29.110		
7,200.00	7,044.77	7,322.64	7,051.21	33.72	35.36	96.66	1,138.93	583.66	1,954.35	1,886.51	67.84	28.809		
7,250.00	7,075.85	7,421.67	7,090.33	33.92	36.12	94.78	1,141.31	492.82	1,960.08	1,891.14	68.94	28.432		
7,300.00	7,103.80	7,514.64	7,113.99	34.13	36.98	93.02	1,141.41	403.00	1,964.46	1,894.30	70.16	28.000		
7,350.00	7,128.45	7,601.03	7,124.18	34.38	37.89	91.39	1,139.65	317.30	1,967.61	1,896.16	71.45	27.538		
7,400.00	7,149.65	7,663.59	7,124.80	34.67	38.61	90.13	1,137.34	254.80	1,969.75	1,897.18	72.57	27.142		
7,450.00	7,167.26	7,710.19	7,124.39	35.00	39.19	89.26	1,135.49	208.24	1,971.47	1,897.89	73.57	26.796		
7,500.00	7,181.19	7,758.06	7,123.97	35.38	39.83	88.58	1,133.58	160.40	1,972.75	1,898.07	74.68	26.417		
7,550.00	7,191.34	7,806.92	7,123.54	35.81	40.50	88.09	1,131.64	111.59	1,973.51	1,897.66	75.84	26.021		
7,600.00	7,197.65	7,856.45	7,123.10	36.28	41.24	87.81	1,129.67	62.10	1,973.68	1,896.56	77.12	25.593		
7,650.00	7,200.08	7,906.35	7,122.67	36.80	42.00	87.74	1,127.69	12.24	1,973.21	1,894.77	78.44	25.154		
7,667.87	7,200.00	7,924.22	7,122.51	36.99	42.30	87.77	1,126.98	-5.61	1,972.89	1,893.94	78.95	24.990		
7,700.00	7,199.42	7,956.34	7,122.23	37.35	42.82	87.78	1,125.71	-37.71	1,972.24	1,892.37	79.86	24.695		
7,800.00	7,197.60	8,056.31	7,121.35	38.62	44.53	87.80	1,121.73	-137.60	1,970.20	1,887.29	82.91	23.763		
7,900.00	7,195.78	8,156.29	7,120.47	40.06	46.35	87.83	1,117.76	-237.49	1,968.17	1,881.95	86.23	22.826		
8,000.00	7,193.97	8,256.26	7,119.60	41.66	48.27	87.85	1,113.79	-337.38	1,966.14	1,876.36	89.78	21.899		
8,100.00	7,192.15	8,356.24	7,118.72	43.40	50.28	87.88	1,109.82	-437.28	1,964.11	1,870.56	93.55	20.996		
8,200.00	7,190.33	8,456.21	7,117.84	45.25	52.37	87.90	1,105.84	-537.17	1,962.08	1,864.57	97.51	20.123		
8,300.00	7,188.51	8,556.19	7,116.96	47.20	54.52	87.93	1,101.87	-637.06	1,960.05	1,858.42	101.63	19.286		
8,400.00	7,186.70	8,656.17	7,116.09	49.25	56.74	87.95	1,097.90	-736.96	1,958.02	1,852.12	105.90	18.490		
8,500.00	7,184.88	8,756.14	7,115.21	51.37	59.01	87.98	1,093.93	-836.85	1,955.99	1,845.69	110.30	17.734		
8,600.00	7,183.06	8,856.12	7,114.33	53.56	61.33	88.00	1,089.95	-936.74	1,953.96	1,839.15	114.81	17.019		
8,700.00	7,181.24	8,956.09	7,113.45	55.81	63.69	88.03	1,085.98	-1,036.63	1,951.93	1,832.51	119.42	16.344		
8,800.00	7,179.43	9,056.07	7,112.58	58.11	66.09	88.06	1,082.01	-1,136.53	1,949.90	1,825.77	124.13	15.709		
8,900.00	7,177.61	9,156.04	7,111.70	60.46	68.52	88.08	1,078.04	-1,236.42	1,947.87	1,818.96	128.91	15.110		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 32C-6-M - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	9,256.02	7,110.82	62.85	70.99	88.11	1,074.07	-1,336.31	1,945.85	1,812.08	133.77	14.546		
9,100.00	7,173.98	9,356.00	7,109.95	65.28	73.48	88.13	1,070.09	-1,436.21	1,943.82	1,805.13	138.69	14.016		
9,200.00	7,172.16	9,455.97	7,109.07	67.74	75.99	88.16	1,066.12	-1,536.10	1,941.79	1,798.13	143.67	13.516		
9,300.00	7,170.34	9,555.95	7,108.19	70.23	78.53	88.18	1,062.15	-1,635.99	1,939.77	1,791.07	148.69	13.045		
9,400.00	7,168.52	9,655.92	7,107.31	72.74	81.09	88.21	1,058.18	-1,735.88	1,937.74	1,783.97	153.77	12.602		
9,500.00	7,166.71	9,755.90	7,106.44	75.28	83.66	88.24	1,054.20	-1,835.78	1,935.71	1,776.83	158.89	12.183		
9,600.00	7,164.89	9,855.87	7,105.56	77.84	86.25	88.26	1,050.23	-1,935.67	1,933.69	1,769.65	164.04	11.788		
9,700.00	7,163.07	9,955.85	7,104.68	80.43	88.86	88.29	1,046.26	-2,035.56	1,931.66	1,762.43	169.23	11.415		
9,800.00	7,161.26	10,055.83	7,103.81	83.02	91.48	88.31	1,042.29	-2,135.46	1,929.64	1,755.19	174.45	11.061		
9,900.00	7,159.44	10,155.80	7,102.93	85.64	94.12	88.34	1,038.32	-2,235.35	1,927.61	1,747.92	179.70	10.727		
10,000.00	7,157.62	10,255.78	7,102.05	88.27	96.76	88.37	1,034.34	-2,335.24	1,925.59	1,740.62	184.97	10.410		
10,100.00	7,155.80	10,355.75	7,101.17	90.91	99.42	88.39	1,030.37	-2,435.13	1,923.57	1,733.30	190.27	10.110		
10,200.00	7,153.99	10,455.73	7,100.30	93.56	102.09	88.42	1,026.40	-2,535.03	1,921.54	1,725.95	195.59	9.824		
10,300.00	7,152.17	10,555.70	7,099.42	96.23	104.76	88.45	1,022.43	-2,634.92	1,919.52	1,718.59	200.93	9.553		
10,400.00	7,150.35	10,655.68	7,098.54	98.90	107.45	88.47	1,018.45	-2,734.81	1,917.50	1,711.21	206.29	9.295		
10,500.00	7,148.54	10,755.65	7,097.67	101.59	110.14	88.50	1,014.48	-2,834.71	1,915.48	1,703.81	211.67	9.049		
10,600.00	7,146.72	10,855.63	7,096.79	104.28	112.84	88.53	1,010.51	-2,934.60	1,913.46	1,696.39	217.06	8.815		
10,700.00	7,144.90	10,955.61	7,095.91	106.98	115.54	88.55	1,006.54	-3,034.49	1,911.43	1,688.96	222.47	8.592		
10,800.00	7,143.08	11,055.58	7,095.03	109.69	118.25	88.58	1,002.56	-3,134.38	1,909.41	1,681.52	227.89	8.379		
10,900.00	7,141.27	11,155.56	7,094.16	112.41	120.97	88.61	998.59	-3,234.28	1,907.39	1,674.07	233.33	8.175		
11,000.00	7,139.45	11,255.53	7,093.28	115.13	123.70	88.63	994.62	-3,334.17	1,905.37	1,666.60	238.77	7.980		
11,100.00	7,137.63	11,355.51	7,092.40	117.86	126.42	88.66	990.65	-3,434.06	1,903.36	1,659.13	244.23	7.793		
11,200.00	7,135.82	11,455.48	7,091.53	120.59	129.16	88.69	986.68	-3,533.96	1,901.34	1,651.64	249.70	7.615		
11,300.00	7,134.00	11,555.46	7,090.65	123.33	131.90	88.71	982.70	-3,633.85	1,899.32	1,644.14	255.17	7.443		
11,400.00	7,132.18	11,655.44	7,089.77	126.07	134.64	88.74	978.73	-3,733.74	1,897.30	1,636.64	260.66	7.279		
11,500.00	7,130.36	11,755.41	7,088.89	128.82	137.38	88.77	974.76	-3,833.63	1,895.28	1,629.13	266.16	7.121		
11,600.00	7,128.55	11,855.39	7,088.02	131.57	140.13	88.79	970.79	-3,933.53	1,893.27	1,621.61	271.66	6.969		
11,700.00	7,126.73	11,955.36	7,087.14	134.33	142.89	88.82	966.81	-4,033.42	1,891.25	1,614.08	277.17	6.823		
11,800.00	7,124.91	12,055.34	7,086.26	137.09	145.64	88.85	962.84	-4,133.31	1,889.23	1,606.55	282.69	6.683		
11,900.00	7,123.10	12,155.31	7,085.39	139.85	148.40	88.88	958.87	-4,233.20	1,887.22	1,599.01	288.21	6.548		
12,000.00	7,121.28	12,255.29	7,084.51	142.62	151.17	88.90	954.90	-4,333.10	1,885.20	1,591.46	293.74	6.418		
12,100.00	7,119.46	12,355.26	7,083.63	145.39	153.93	88.93	950.93	-4,432.99	1,883.19	1,583.91	299.28	6.292		
12,200.00	7,117.64	12,455.24	7,082.75	148.16	156.70	88.96	946.95	-4,532.88	1,881.17	1,576.35	304.82	6.171		
12,300.00	7,115.83	12,555.22	7,081.88	150.94	159.47	88.99	942.98	-4,632.78	1,879.16	1,568.79	310.37	6.055		
12,400.00	7,114.01	12,655.19	7,081.00	153.72	162.24	89.01	939.01	-4,732.67	1,877.14	1,561.22	315.92	5.942		
12,500.00	7,112.19	12,755.17	7,080.12	156.50	165.02	89.04	935.04	-4,832.56	1,875.13	1,553.65	321.48	5.833		
12,600.00	7,110.37	12,855.14	7,079.24	159.28	167.80	89.07	931.06	-4,932.45	1,873.12	1,546.08	327.04	5.728		
12,700.00	7,108.56	12,955.12	7,078.37	162.07	170.58	89.10	927.09	-5,032.35	1,871.10	1,538.50	332.61	5.626		
12,800.00	7,106.74	13,055.09	7,077.49	164.86	173.36	89.12	923.12	-5,132.24	1,869.09	1,530.92	338.18	5.527		
12,900.00	7,104.92	13,155.07	7,076.61	167.65	176.14	89.15	919.15	-5,232.13	1,867.08	1,523.33	343.75	5.432		
13,000.00	7,103.11	13,255.05	7,075.74	170.44	178.93	89.18	915.17	-5,332.03	1,865.07	1,515.74	349.33	5.339		
13,100.00	7,101.29	13,355.02	7,074.86	173.23	181.72	89.21	911.20	-5,431.92	1,863.06	1,508.15	354.91	5.249		
13,200.00	7,099.47	13,455.00	7,073.98	176.03	184.50	89.24	907.23	-5,531.81	1,861.05	1,500.56	360.49	5.163		
13,300.00	7,097.65	13,554.97	7,073.10	178.82	187.29	89.26	903.26	-5,631.70	1,859.04	1,492.96	366.08	5.078		
13,400.00	7,095.84	13,654.95	7,072.23	181.62	190.09	89.29	899.29	-5,731.60	1,857.03	1,485.36	371.67	4.996		
13,500.00	7,094.02	13,754.92	7,071.35	184.42	192.88	89.32	895.31	-5,831.49	1,855.02	1,477.76	377.27	4.917		
13,600.00	7,092.20	13,854.90	7,070.47	187.22	195.67	89.35	891.34	-5,931.38	1,853.01	1,470.15	382.86	4.840		
13,700.00	7,090.39	13,954.87	7,069.60	190.03	198.47	89.38	887.37	-6,031.28	1,851.00	1,462.54	388.46	4.765		
13,800.00	7,088.57	14,054.85	7,068.72	192.83	201.27	89.41	883.40	-6,131.17	1,849.00	1,454.94	394.06	4.692		
13,900.00	7,086.75	14,154.83	7,067.84	195.64	204.06	89.43	879.42	-6,231.06	1,846.99	1,447.32	399.67	4.621		
14,000.00	7,084.93	14,254.80	7,066.96	198.44	206.86	89.46	875.45	-6,330.95	1,844.98	1,439.71	405.27	4.552		
14,100.00	7,083.12	14,354.78	7,066.09	201.25	209.66	89.49	871.48	-6,430.85	1,842.98	1,432.10	410.88	4.485		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 32C-6-M - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	7,081.30	14,454.75	7,065.21	204.06	212.47	89.52	867.51	-6,530.74	1,840.97	1,424.48	416.49	4.420	
14,300.00	7,079.48	14,554.73	7,064.33	206.87	215.27	89.55	863.54	-6,630.63	1,838.97	1,416.86	422.10	4.357	
14,400.00	7,077.67	14,654.70	7,063.46	209.68	218.07	89.58	859.56	-6,730.53	1,836.96	1,409.24	427.72	4.295	
14,500.00	7,075.85	14,754.68	7,062.58	212.49	220.88	89.61	855.59	-6,830.42	1,834.96	1,401.62	433.33	4.235	
14,600.00	7,074.03	14,854.66	7,061.70	215.31	223.68	89.64	851.62	-6,930.31	1,832.95	1,394.00	438.95	4.176	
14,700.00	7,072.21	14,954.63	7,060.82	218.12	226.49	89.66	847.65	-7,030.20	1,830.95	1,386.38	444.57	4.118	
14,800.00	7,070.40	15,054.61	7,059.95	220.93	229.29	89.69	843.67	-7,130.10	1,828.95	1,378.75	450.19	4.063	
14,900.00	7,068.58	15,154.58	7,059.07	223.75	232.10	89.72	839.70	-7,229.99	1,826.95	1,371.13	455.82	4.008	
15,000.00	7,066.76	15,254.56	7,058.19	226.57	234.91	89.75	835.73	-7,329.88	1,824.94	1,363.50	461.44	3.955	
15,100.00	7,064.95	15,354.53	7,057.32	229.38	237.72	89.78	831.76	-7,429.78	1,822.94	1,355.87	467.07	3.903	
15,200.00	7,063.13	15,454.51	7,056.44	232.20	240.53	89.81	827.78	-7,529.67	1,820.94	1,348.25	472.70	3.852	
15,300.00	7,061.31	15,554.49	7,055.56	235.02	243.34	89.84	823.81	-7,629.56	1,818.94	1,340.62	478.32	3.803	
15,400.00	7,059.49	15,654.46	7,054.68	237.84	246.15	89.87	819.84	-7,729.45	1,816.94	1,332.99	483.95	3.754	
15,500.00	7,057.68	15,754.44	7,053.81	240.66	248.96	89.90	815.87	-7,829.35	1,814.94	1,325.36	489.58	3.707	
15,600.00	7,055.86	15,846.35	7,053.00	243.48	251.55	89.93	812.22	-7,921.18	1,812.96	1,317.95	495.01	3.663	
15,628.18	7,055.35	15,846.35	7,053.00	244.27	251.55	89.93	812.22	-7,921.18	1,812.74	1,316.96	495.78	3.656	
15,647.29	7,055.00	15,846.35	7,053.00	244.81	251.55	89.93	812.22	-7,921.18	1,812.84	1,316.60	496.24	3.653 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.54	149.36	14.48	150.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.54	149.36	14.48	150.06	143.49	6.57	22.843		
200.00	200.00	200.00	200.00	3.34	3.34	5.54	149.36	14.48	150.06	143.39	6.67	22.485		
300.00	300.00	300.00	300.00	3.44	3.44	5.54	149.36	14.48	150.06	143.17	6.89	21.780 CC, ES		
400.00	399.98	395.38	395.37	3.60	3.59	-130.65	150.74	15.27	152.71	145.51	7.20	21.211		
500.00	499.84	490.35	490.21	3.79	3.79	-131.17	154.83	17.65	160.65	153.05	7.60	21.132		
600.00	599.45	584.76	584.29	4.03	4.02	-131.90	161.56	21.62	173.84	165.76	8.08	21.509		
700.00	698.70	678.52	677.43	4.30	4.27	-132.60	170.54	27.57	191.95	183.33	8.62	22.261		
790.00	787.61	761.76	759.78	4.57	4.52	-133.11	180.34	34.63	212.32	203.17	9.15	23.202		
800.00	797.47	770.93	768.84	4.60	4.55	-133.19	181.53	35.51	214.80	205.59	9.21	23.311		
900.00	896.01	862.10	858.54	4.94	4.84	-133.67	194.43	45.34	240.93	231.10	9.83	24.505		
1,000.00	994.55	952.11	946.56	5.30	5.16	-133.61	209.18	57.00	269.29	258.82	10.47	25.711		
1,100.00	1,093.09	1,040.87	1,032.75	5.68	5.49	-133.19	225.66	70.38	299.86	288.72	11.14	26.917		
1,200.00	1,191.63	1,135.69	1,124.46	6.08	5.86	-132.65	244.26	85.64	331.51	319.66	11.85	27.970		
1,300.00	1,290.17	1,230.51	1,216.17	6.49	6.26	-132.20	262.86	100.90	363.18	350.59	12.59	28.840		
1,400.00	1,388.71	1,325.32	1,307.89	6.91	6.67	-131.82	281.46	116.17	394.87	381.52	13.36	29.562		
1,500.00	1,487.25	1,420.14	1,399.60	7.34	7.08	-131.50	300.06	131.43	426.58	412.43	14.14	30.165		
1,600.00	1,585.79	1,514.96	1,491.31	7.77	7.51	-131.23	318.66	146.69	458.29	443.35	14.94	30.671		
1,700.00	1,684.34	1,609.77	1,583.03	8.22	7.95	-130.99	337.26	161.95	490.01	474.25	15.76	31.098		
1,800.00	1,782.88	1,704.59	1,674.74	8.66	8.39	-130.78	355.86	177.21	521.74	505.15	16.58	31.460		
1,900.00	1,881.42	1,800.59	1,766.45	9.12	8.85	-130.59	374.46	192.48	553.47	536.04	17.43	31.759		
2,000.00	1,979.96	1,905.78	1,858.17	9.57	9.35	-130.42	393.07	207.74	585.21	566.89	18.32	31.941		
2,100.00	2,078.50	1,989.04	1,949.88	10.03	9.75	-130.27	411.67	223.00	616.95	597.83	19.12	32.263		
2,200.00	2,177.04	2,083.86	2,041.59	10.49	10.22	-130.14	430.27	238.26	648.70	628.72	19.98	32.461		
2,300.00	2,275.58	2,178.67	2,133.30	10.95	10.68	-130.01	448.87	253.53	680.45	659.60	20.85	32.634		
2,400.00	2,374.12	2,273.49	2,225.02	11.42	11.15	-129.90	467.47	268.79	712.20	690.48	21.72	32.785		
2,500.00	2,472.66	2,368.31	2,316.73	11.89	11.62	-129.80	486.07	284.05	743.95	721.35	22.60	32.918		
2,600.00	2,571.20	2,463.12	2,408.44	12.36	12.09	-129.71	504.67	299.31	775.71	752.23	23.48	33.036		
2,700.00	2,669.74	2,557.94	2,500.16	12.83	12.56	-129.62	523.27	314.57	807.47	783.10	24.37	33.139		
2,800.00	2,768.28	2,652.76	2,591.87	13.30	13.04	-129.54	541.87	329.84	839.22	813.97	25.25	33.232		
2,900.00	2,866.83	2,747.57	2,683.58	13.78	13.51	-129.47	560.47	345.10	870.98	844.84	26.14	33.314		
3,000.00	2,965.37	2,842.39	2,775.30	14.25	13.99	-129.40	579.07	360.36	902.75	875.71	27.04	33.388		
3,100.00	3,063.91	2,937.21	2,867.01	14.73	14.47	-129.33	597.67	375.62	934.51	906.57	27.93	33.454		
3,200.00	3,162.45	3,032.02	2,958.72	15.20	14.95	-129.27	616.27	390.88	966.27	937.44	28.83	33.513		
3,300.00	3,260.99	3,126.84	3,050.44	15.68	15.43	-129.22	634.87	406.15	998.04	968.30	29.73	33.567		
3,400.00	3,359.53	3,221.66	3,142.15	16.16	15.91	-129.17	653.47	421.41	1,029.80	999.17	30.64	33.615		
3,500.00	3,458.07	3,316.47	3,233.86	16.64	16.40	-129.12	672.07	436.67	1,061.57	1,030.03	31.54	33.659		
3,600.00	3,556.61	3,411.29	3,325.57	17.12	16.88	-129.07	690.67	451.93	1,093.33	1,060.89	32.44	33.699		
3,700.00	3,655.15	3,506.11	3,417.29	17.60	17.36	-129.03	709.27	467.20	1,125.10	1,091.75	33.35	33.735		
3,800.00	3,753.69	3,600.92	3,509.00	18.08	17.85	-128.98	727.87	482.46	1,156.87	1,122.61	34.26	33.768		
3,900.00	3,852.23	3,704.26	3,600.71	18.56	18.38	-128.94	746.47	497.72	1,188.64	1,153.43	35.21	33.758		
4,000.00	3,950.77	3,809.45	3,692.43	19.04	18.92	-128.91	765.07	512.98	1,220.41	1,184.23	36.17	33.739		
4,100.00	4,049.31	3,885.37	3,784.14	19.52	19.31	-128.87	783.67	528.24	1,252.18	1,215.19	36.99	33.852		
4,200.00	4,147.86	3,980.19	3,875.85	20.00	19.79	-128.84	802.27	543.51	1,283.94	1,246.04	37.90	33.875		
4,300.00	4,246.40	4,075.01	3,967.57	20.49	20.28	-128.81	820.87	558.77	1,315.71	1,276.90	38.82	33.897		
4,400.00	4,344.94	4,169.82	4,059.28	20.97	20.77	-128.78	839.47	574.03	1,347.49	1,307.76	39.73	33.916		
4,500.00	4,443.48	4,264.64	4,150.99	21.45	21.26	-128.75	858.07	589.29	1,379.26	1,338.61	40.64	33.935		
4,600.00	4,542.02	4,359.45	4,242.71	21.94	21.74	-128.72	876.67	604.56	1,411.03	1,369.47	41.56	33.951		
4,700.00	4,640.56	4,454.27	4,334.42	22.42	22.23	-128.69	895.27	619.82	1,442.80	1,400.32	42.48	33.967		
4,800.00	4,739.10	4,549.09	4,426.13	22.91	22.72	-128.67	913.87	635.08	1,474.57	1,431.18	43.39	33.981		
4,900.00	4,837.64	4,643.90	4,517.84	23.39	23.21	-128.64	932.47	650.34	1,506.34	1,462.03	44.31	33.995		
5,000.00	4,936.18	4,738.72	4,609.56	23.87	23.70	-128.62	951.08	665.60	1,538.11	1,492.88	45.23	34.007		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	4,833.54	4,701.27	24.36	24.19	-128.60	969.68	680.87	1,569.89	1,523.74	46.15	34.018		
5,200.00	5,133.26	4,928.35	4,792.98	24.84	24.68	-128.58	988.28	696.13	1,601.66	1,554.59	47.07	34.029		
5,300.00	5,231.80	5,023.17	4,884.70	25.33	25.17	-128.56	1,006.88	711.39	1,633.43	1,585.44	47.99	34.039		
5,400.00	5,330.34	5,117.99	4,976.41	25.82	25.66	-128.54	1,025.48	726.65	1,665.20	1,616.30	48.91	34.048		
5,500.00	5,428.89	5,212.80	5,068.12	26.30	26.15	-128.52	1,044.08	741.91	1,696.98	1,647.15	49.83	34.056		
5,600.00	5,527.43	5,307.62	5,159.84	26.79	26.64	-128.50	1,062.68	757.18	1,728.75	1,678.00	50.75	34.064		
5,700.00	5,625.97	5,402.44	5,251.55	27.27	27.13	-128.48	1,081.28	772.44	1,760.52	1,708.85	51.67	34.072		
5,800.00	5,724.51	5,502.75	5,343.26	27.76	27.65	-128.46	1,099.88	787.70	1,792.30	1,739.68	52.62	34.061		
5,900.00	5,823.05	5,607.93	5,434.98	28.24	28.20	-128.45	1,118.48	802.96	1,824.07	1,770.47	53.59	34.035		
6,000.00	5,921.59	5,686.89	5,526.69	28.73	28.61	-128.43	1,137.08	818.23	1,855.84	1,801.40	54.44	34.091		
6,100.00	6,020.13	5,781.70	5,618.40	29.22	29.10	-128.41	1,155.68	833.49	1,887.62	1,832.26	55.36	34.096		
6,200.00	6,118.67	5,876.52	5,710.12	29.70	29.59	-128.40	1,174.28	848.75	1,919.39	1,863.11	56.28	34.101		
6,300.00	6,217.21	5,971.34	5,801.83	30.19	30.08	-128.39	1,192.88	864.01	1,951.17	1,893.96	57.21	34.106		
6,400.00	6,315.75	6,066.15	5,893.54	30.68	30.58	-128.37	1,211.48	879.27	1,982.94	1,924.81	58.13	34.110		
6,500.00	6,414.29	6,160.97	5,985.25	31.16	31.07	-128.36	1,230.08	894.54	2,014.71	1,955.66	59.06	34.114		
6,582.51	6,495.60	6,239.20	6,060.93	31.57	31.47	-128.35	1,245.43	907.13	2,040.93	1,981.11	59.82	34.118		
6,600.00	6,512.86	6,255.77	6,076.95	31.65	31.56	-136.38	1,248.68	909.80	2,046.52	1,986.54	59.98	34.119		
6,650.00	6,562.39	6,302.88	6,122.51	31.88	31.81	-168.22	1,257.92	917.38	2,062.89	2,002.46	60.43	34.138		
6,700.00	6,611.96	6,349.37	6,167.48	32.08	32.05	157.55	1,267.04	924.86	2,079.74	2,018.89	60.85	34.177		
6,750.00	6,661.26	6,394.96	6,211.58	32.27	32.28	135.49	1,275.98	932.20	2,097.03	2,035.77	61.26	34.233		
6,800.00	6,709.99	6,484.30	6,298.72	32.44	32.71	123.19	1,293.39	940.75	2,114.24	2,052.19	62.06	34.070		
6,850.00	6,757.84	6,582.36	6,394.78	32.61	33.11	115.56	1,311.94	935.74	2,130.68	2,067.83	62.85	33.901		
6,900.00	6,804.53	6,685.52	6,493.88	32.77	33.47	110.24	1,330.36	914.36	2,146.13	2,082.52	63.61	33.738		
6,950.00	6,849.77	6,792.16	6,591.53	32.92	33.83	106.13	1,347.71	875.49	2,160.41	2,096.05	64.35	33.572		
7,000.00	6,893.27	6,900.14	6,682.65	33.07	34.19	102.72	1,363.04	819.86	2,173.37	2,108.29	65.09	33.391		
7,050.00	6,934.77	7,007.02	6,762.60	33.23	34.60	99.73	1,375.57	750.23	2,184.96	2,119.10	65.86	33.175		
7,100.00	6,974.01	7,100.00	6,816.97	33.39	35.03	97.14	1,383.34	685.94	2,195.14	2,128.51	66.63	32.945		
7,150.00	7,010.75	7,208.93	6,878.14	33.55	35.67	94.56	1,390.87	586.40	2,203.97	2,136.30	67.67	32.569		
7,200.00	7,044.77	7,301.14	6,912.89	33.72	36.35	92.31	1,393.87	501.13	2,211.49	2,142.76	68.73	32.178		
7,250.00	7,075.85	7,386.76	6,934.06	33.92	37.12	90.26	1,394.32	418.24	2,217.79	2,147.92	69.86	31.746		
7,300.00	7,103.80	7,465.87	6,943.77	34.13	37.93	88.41	1,392.74	339.79	2,222.94	2,151.91	71.02	31.298		
7,350.00	7,128.45	7,528.59	6,944.84	34.38	38.64	86.90	1,390.16	277.15	2,227.06	2,154.98	72.08	30.899		
7,400.00	7,149.65	7,573.63	6,944.43	34.67	39.19	85.80	1,388.08	232.16	2,230.53	2,157.55	72.98	30.562		
7,450.00	7,167.26	7,620.24	6,944.01	35.00	39.79	84.90	1,385.93	185.61	2,233.37	2,159.39	73.98	30.188		
7,500.00	7,181.19	7,668.11	6,943.57	35.38	40.45	84.19	1,383.72	137.78	2,235.46	2,160.38	75.08	29.774		
7,550.00	7,191.34	7,716.96	6,943.13	35.81	41.16	83.70	1,381.46	88.99	2,236.71	2,160.45	76.26	29.329		
7,600.00	7,197.65	7,766.49	6,942.68	36.28	41.92	83.42	1,379.18	39.52	2,237.08	2,159.54	77.54	28.850		
7,650.00	7,200.08	7,816.38	6,942.22	36.80	42.71	83.37	1,376.87	-10.33	2,236.52	2,157.63	78.89	28.350		
7,667.87	7,200.00	7,834.25	6,942.06	36.99	43.01	83.40	1,376.05	-28.17	2,236.09	2,156.70	79.40	28.163		
7,700.00	7,199.42	7,866.37	6,941.77	37.35	43.55	83.41	1,374.57	-60.25	2,235.22	2,154.89	80.33	27.827		
7,800.00	7,197.60	7,966.33	6,940.85	38.62	45.30	83.42	1,369.95	-160.10	2,232.49	2,149.08	83.41	26.766		
7,900.00	7,195.78	8,066.29	6,939.94	40.06	47.16	83.44	1,365.34	-259.95	2,229.76	2,143.01	86.75	25.703		
8,000.00	7,193.97	8,166.25	6,939.03	41.66	49.12	83.45	1,360.72	-359.80	2,227.03	2,136.70	90.33	24.655		
8,100.00	7,192.15	8,266.21	6,938.12	43.40	51.16	83.47	1,356.11	-459.65	2,224.31	2,130.19	94.12	23.634		
8,200.00	7,190.33	8,366.17	6,937.21	45.25	53.28	83.48	1,351.49	-559.50	2,221.58	2,123.49	98.08	22.650		
8,300.00	7,188.51	8,466.13	6,936.30	47.20	55.46	83.50	1,346.87	-659.35	2,218.85	2,116.64	102.22	21.708		
8,400.00	7,186.70	8,566.09	6,935.39	49.25	57.70	83.51	1,342.26	-759.20	2,216.12	2,109.63	106.49	20.811		
8,500.00	7,184.88	8,666.05	6,934.47	51.37	59.99	83.53	1,337.64	-859.05	2,213.40	2,102.51	110.89	19.961		
8,600.00	7,183.06	8,766.02	6,933.56	53.56	62.33	83.54	1,333.03	-958.90	2,210.67	2,095.27	115.40	19.157		
8,700.00	7,181.24	8,865.98	6,932.65	55.81	64.71	83.56	1,328.41	-1,058.75	2,207.94	2,087.93	120.01	18.398		
8,800.00	7,179.43	8,965.94	6,931.74	58.11	67.12	83.58	1,323.80	-1,158.60	2,205.22	2,080.51	124.71	17.683		
8,900.00	7,177.61	9,065.90	6,930.83	60.46	69.57	83.59	1,319.18	-1,258.45	2,202.49	2,073.01	129.48	17.010		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	9,165.86	6,929.92	62.85	72.04	83.61	1,314.57	-1,358.30	2,199.76	2,065.44	134.33	16.376		
9,100.00	7,173.98	9,265.82	6,929.01	65.28	74.54	83.62	1,309.95	-1,458.15	2,197.04	2,057.80	139.23	15.779		
9,200.00	7,172.16	9,365.78	6,928.10	67.74	77.06	83.64	1,305.34	-1,558.00	2,194.31	2,050.11	144.20	15.217		
9,300.00	7,170.34	9,465.74	6,927.18	70.23	79.61	83.66	1,300.72	-1,657.85	2,191.58	2,042.37	149.21	14.688		
9,400.00	7,168.52	9,565.70	6,926.27	72.74	82.17	83.67	1,296.11	-1,757.71	2,188.86	2,034.59	154.27	14.189		
9,500.00	7,166.71	9,665.66	6,925.36	75.28	84.75	83.69	1,291.49	-1,857.56	2,186.13	2,026.76	159.37	13.717		
9,600.00	7,164.89	9,765.63	6,924.45	77.84	87.35	83.70	1,286.87	-1,957.41	2,183.41	2,018.90	164.51	13.273		
9,700.00	7,163.07	9,865.59	6,923.54	80.43	89.96	83.72	1,282.26	-2,057.26	2,180.68	2,011.01	169.68	12.852		
9,800.00	7,161.26	9,965.55	6,922.63	83.02	92.59	83.73	1,277.64	-2,157.11	2,177.96	2,003.08	174.88	12.454		
9,900.00	7,159.44	10,065.51	6,921.72	85.64	95.23	83.75	1,273.03	-2,256.96	2,175.23	1,995.13	180.11	12.077		
10,000.00	7,157.62	10,165.47	6,920.80	88.27	97.87	83.77	1,268.41	-2,356.81	2,172.51	1,987.15	185.36	11.720		
10,100.00	7,155.80	10,265.43	6,919.89	90.91	100.53	83.78	1,263.80	-2,456.66	2,169.78	1,979.14	190.64	11.382		
10,200.00	7,153.99	10,365.39	6,918.98	93.56	103.20	83.80	1,259.18	-2,556.51	2,167.06	1,971.12	195.94	11.060		
10,300.00	7,152.17	10,465.35	6,918.07	96.23	105.88	83.82	1,254.57	-2,656.36	2,164.34	1,963.07	201.26	10.754		
10,400.00	7,150.35	10,565.31	6,917.16	98.90	108.56	83.83	1,249.95	-2,756.21	2,161.61	1,955.01	206.60	10.463		
10,500.00	7,148.54	10,665.27	6,916.25	101.59	111.26	83.85	1,245.34	-2,856.06	2,158.89	1,946.93	211.96	10.186		
10,600.00	7,146.72	10,765.24	6,915.34	104.28	113.96	83.86	1,240.72	-2,955.91	2,156.16	1,938.84	217.33	9.921		
10,700.00	7,144.90	10,865.20	6,914.42	106.98	116.66	83.88	1,236.11	-3,055.76	2,153.44	1,930.73	222.71	9.669		
10,800.00	7,143.08	10,965.16	6,913.51	109.69	119.38	83.90	1,231.49	-3,155.61	2,150.72	1,922.60	228.11	9.428		
10,900.00	7,141.27	11,065.12	6,912.60	112.41	122.09	83.91	1,226.88	-3,255.46	2,147.99	1,914.47	233.53	9.198		
11,000.00	7,139.45	11,165.08	6,911.69	115.13	124.82	83.93	1,222.26	-3,355.31	2,145.27	1,906.32	238.95	8.978		
11,100.00	7,137.63	11,265.04	6,910.78	117.86	127.55	83.95	1,217.64	-3,455.16	2,142.55	1,898.16	244.39	8.767		
11,200.00	7,135.82	11,365.00	6,909.87	120.59	130.28	83.96	1,213.03	-3,555.01	2,139.83	1,889.99	249.83	8.565		
11,300.00	7,134.00	11,464.96	6,908.96	123.33	133.02	83.98	1,208.41	-3,654.86	2,137.10	1,881.81	255.29	8.371		
11,400.00	7,132.18	11,564.92	6,908.05	126.07	135.76	84.00	1,203.80	-3,754.71	2,134.38	1,873.63	260.76	8.185		
11,500.00	7,130.36	11,664.88	6,907.13	128.82	138.50	84.01	1,199.18	-3,854.56	2,131.66	1,865.43	266.23	8.007		
11,600.00	7,128.55	11,764.85	6,906.22	131.57	141.25	84.03	1,194.57	-3,954.41	2,128.94	1,857.23	271.71	7.835		
11,700.00	7,126.73	11,864.81	6,905.31	134.33	144.00	84.05	1,189.95	-4,054.26	2,126.22	1,849.01	277.20	7.670		
11,800.00	7,124.91	11,964.77	6,904.40	137.09	146.76	84.06	1,185.34	-4,154.11	2,123.49	1,840.80	282.70	7.512		
11,900.00	7,123.10	12,064.73	6,903.49	139.85	149.52	84.08	1,180.72	-4,253.96	2,120.77	1,832.57	288.20	7.359		
12,000.00	7,121.28	12,164.69	6,902.58	142.62	152.28	84.10	1,176.11	-4,353.81	2,118.05	1,824.34	293.71	7.211		
12,100.00	7,119.46	12,264.65	6,901.67	145.39	155.04	84.12	1,171.49	-4,453.66	2,115.33	1,816.10	299.23	7.069		
12,200.00	7,117.64	12,364.61	6,900.75	148.16	157.81	84.13	1,166.88	-4,553.51	2,112.61	1,807.86	304.75	6.932		
12,300.00	7,115.83	12,464.57	6,899.84	150.94	160.58	84.15	1,162.26	-4,653.36	2,109.89	1,799.61	310.28	6.800		
12,400.00	7,114.01	12,564.53	6,898.93	153.72	163.35	84.17	1,157.64	-4,753.21	2,107.17	1,791.36	315.81	6.672		
12,500.00	7,112.19	12,664.49	6,898.02	156.50	166.13	84.18	1,153.03	-4,853.06	2,104.45	1,783.10	321.35	6.549		
12,600.00	7,110.37	12,764.46	6,897.11	159.28	168.90	84.20	1,148.41	-4,952.91	2,101.73	1,774.84	326.89	6.429		
12,700.00	7,108.56	12,864.42	6,896.20	162.07	171.68	84.22	1,143.80	-5,052.76	2,099.01	1,766.57	332.44	6.314		
12,800.00	7,106.74	12,964.38	6,895.29	164.86	174.46	84.24	1,139.18	-5,152.61	2,096.29	1,758.30	337.99	6.202		
12,900.00	7,104.92	13,064.34	6,894.38	167.65	177.24	84.25	1,134.57	-5,252.46	2,093.57	1,750.03	343.54	6.094		
13,000.00	7,103.11	13,164.30	6,893.46	170.44	180.02	84.27	1,129.95	-5,352.31	2,090.85	1,741.75	349.10	5.989		
13,100.00	7,101.29	13,264.26	6,892.55	173.23	182.81	84.29	1,125.34	-5,452.16	2,088.13	1,733.47	354.67	5.888		
13,200.00	7,099.47	13,364.22	6,891.64	176.03	185.60	84.31	1,120.72	-5,552.01	2,085.41	1,725.18	360.23	5.789		
13,300.00	7,097.65	13,464.18	6,890.73	178.82	188.38	84.32	1,116.11	-5,651.86	2,082.70	1,716.89	365.80	5.694		
13,400.00	7,095.84	13,564.14	6,889.82	181.62	191.17	84.34	1,111.49	-5,751.71	2,079.98	1,708.60	371.38	5.601		
13,500.00	7,094.02	13,664.10	6,888.91	184.42	193.96	84.36	1,106.88	-5,851.56	2,077.26	1,700.31	376.95	5.511		
13,600.00	7,092.20	13,764.07	6,888.00	187.22	196.76	84.38	1,102.26	-5,951.42	2,074.54	1,692.01	382.53	5.423		
13,700.00	7,090.39	13,864.03	6,887.08	190.03	199.55	84.39	1,097.64	-6,051.27	2,071.82	1,683.71	388.11	5.338		
13,800.00	7,088.57	13,963.99	6,886.17	192.83	202.34	84.41	1,093.03	-6,151.12	2,069.11	1,675.41	393.70	5.256		
13,900.00	7,086.75	14,063.95	6,885.26	195.64	205.14	84.43	1,088.41	-6,250.97	2,066.39	1,667.10	399.29	5.175		
14,000.00	7,084.93	14,163.91	6,884.35	198.44	207.94	84.45	1,083.80	-6,350.82	2,063.67	1,658.79	404.88	5.097		
14,100.00	7,083.12	14,263.87	6,883.44	201.25	210.74	84.47	1,079.18	-6,450.67	2,060.95	1,650.48	410.47	5.021		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	7,081.30	14,363.83	6,882.53	204.06	213.53	84.48	1,074.57	-6,550.52	2,058.24	1,642.17	416.07	4.947	
14,300.00	7,079.48	14,463.79	6,881.62	206.87	216.33	84.50	1,069.95	-6,650.37	2,055.52	1,633.86	421.66	4.875	
14,400.00	7,077.67	14,563.75	6,880.70	209.68	219.14	84.52	1,065.34	-6,750.22	2,052.80	1,625.54	427.26	4.805	
14,500.00	7,075.85	14,663.71	6,879.79	212.49	221.94	84.54	1,060.72	-6,850.07	2,050.09	1,617.22	432.87	4.736	
14,600.00	7,074.03	14,763.68	6,878.88	215.31	224.74	84.56	1,056.11	-6,949.92	2,047.37	1,608.90	438.47	4.669	
14,700.00	7,072.21	14,863.64	6,877.97	218.12	227.54	84.57	1,051.49	-7,049.77	2,044.66	1,600.58	444.08	4.604	
14,800.00	7,070.40	14,963.60	6,877.06	220.93	230.35	84.59	1,046.88	-7,149.62	2,041.94	1,592.26	449.68	4.541	
14,900.00	7,068.58	15,063.56	6,876.15	223.75	233.15	84.61	1,042.26	-7,249.47	2,039.22	1,583.93	455.30	4.479	
15,000.00	7,066.76	15,163.52	6,875.24	226.57	235.96	84.63	1,037.64	-7,349.32	2,036.51	1,575.60	460.91	4.418	
15,100.00	7,064.95	15,263.48	6,874.33	229.38	238.77	84.65	1,033.03	-7,449.17	2,033.79	1,567.27	466.52	4.359	
15,200.00	7,063.13	15,363.44	6,873.41	232.20	241.57	84.67	1,028.41	-7,549.02	2,031.08	1,558.94	472.14	4.302	
15,300.00	7,061.31	15,463.40	6,872.50	235.02	244.38	84.68	1,023.80	-7,648.87	2,028.37	1,550.61	477.75	4.246	
15,400.00	7,059.49	15,563.36	6,871.59	237.84	247.19	84.70	1,019.18	-7,748.72	2,025.65	1,542.28	483.37	4.191	
15,500.00	7,057.68	15,663.32	6,870.68	240.66	250.00	84.72	1,014.57	-7,848.57	2,022.94	1,533.94	488.99	4.137	
15,600.00	7,055.86	15,738.53	6,869.99	243.48	252.11	84.74	1,011.10	-7,923.69	2,020.37	1,526.41	493.97	4.090	
15,630.08	7,055.31	15,738.53	6,869.99	244.33	252.11	84.74	1,011.10	-7,923.69	2,020.15	1,525.38	494.77	4.083	
15,647.29	7,055.00	15,738.53	6,869.99	244.81	252.11	84.74	1,011.10	-7,923.69	2,020.22	1,525.04	495.18	4.080 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	119.49	11.69	120.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	119.49	11.69	120.06	113.49	6.57	18.276		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	119.49	11.69	120.06	113.39	6.67	17.989		
300.00	300.00	300.00	300.00	3.44	3.44	5.59	119.49	11.69	120.06	113.17	6.89	17.426 CC, ES		
400.00	399.98	396.90	396.88	3.60	3.60	-130.47	120.61	12.89	122.46	115.26	7.20	17.010		
500.00	499.84	493.46	493.31	3.79	3.79	-130.63	123.94	16.47	129.65	122.05	7.60	17.061		
600.00	599.45	589.37	588.87	4.03	4.02	-130.84	129.45	22.37	141.60	133.52	8.08	17.526		
700.00	698.70	684.29	683.14	4.30	4.28	-131.07	137.04	30.51	158.26	149.64	8.62	18.352		
790.00	787.61	768.65	766.56	4.57	4.54	-131.24	145.57	39.66	177.22	168.06	9.16	19.352		
800.00	797.47	777.95	775.73	4.60	4.57	-131.28	146.62	40.78	179.55	170.32	9.22	19.469		
900.00	896.01	870.39	866.63	4.94	4.87	-131.37	158.09	53.08	204.06	194.21	9.85	20.715		
1,000.00	994.55	965.19	959.38	5.30	5.21	-131.02	171.46	67.42	230.35	219.84	10.51	21.916		
1,100.00	1,093.09	1,061.63	1,053.69	5.68	5.57	-130.71	185.18	82.13	256.78	245.57	11.21	22.902		
1,200.00	1,191.63	1,158.06	1,148.01	6.08	5.94	-130.46	198.90	96.84	283.22	271.27	11.94	23.711		
1,300.00	1,290.17	1,254.50	1,242.32	6.49	6.34	-130.25	212.62	111.56	309.66	296.96	12.70	24.378		
1,400.00	1,388.71	1,350.93	1,336.64	6.91	6.74	-130.07	226.34	126.27	336.10	322.62	13.48	24.930		
1,500.00	1,487.25	1,447.37	1,430.95	7.34	7.16	-129.92	240.05	140.98	362.55	348.27	14.28	25.390		
1,600.00	1,585.79	1,543.80	1,525.26	7.77	7.58	-129.79	253.77	155.69	389.00	373.91	15.09	25.776		
1,700.00	1,684.34	1,640.24	1,619.58	8.22	8.00	-129.67	267.49	170.40	415.45	399.53	15.92	26.101		
1,800.00	1,782.88	1,736.67	1,713.89	8.66	8.44	-129.57	281.21	185.12	441.90	425.15	16.75	26.376		
1,900.00	1,881.42	1,833.11	1,808.20	9.12	8.88	-129.48	294.93	199.83	468.36	450.76	17.60	26.612		
2,000.00	1,979.96	1,929.54	1,902.52	9.57	9.32	-129.40	308.65	214.54	494.81	476.36	18.45	26.814		
2,100.00	2,078.50	2,025.98	1,996.83	10.03	9.76	-129.33	322.37	229.25	521.27	501.95	19.31	26.988		
2,200.00	2,177.04	2,122.41	2,091.15	10.49	10.21	-129.26	336.09	243.96	547.73	527.54	20.18	27.140		
2,300.00	2,275.58	2,218.85	2,185.46	10.95	10.66	-129.21	349.81	258.67	574.18	553.13	21.05	27.272		
2,400.00	2,374.12	2,315.28	2,279.77	11.42	11.12	-129.15	363.52	273.39	600.64	578.71	21.93	27.387		
2,500.00	2,472.66	2,411.72	2,374.09	11.89	11.57	-129.10	377.24	288.10	627.10	604.28	22.81	27.489		
2,600.00	2,571.20	2,508.15	2,468.40	12.36	12.03	-129.06	390.96	302.81	653.56	629.86	23.70	27.579		
2,700.00	2,669.74	2,604.59	2,562.71	12.83	12.49	-129.02	404.68	317.52	680.01	655.43	24.59	27.658		
2,800.00	2,768.28	2,701.02	2,657.03	13.30	12.95	-128.98	418.40	332.23	706.47	681.00	25.48	27.729		
2,900.00	2,866.83	2,802.54	2,751.34	13.78	13.44	-128.94	432.12	346.94	732.93	706.54	26.40	27.767		
3,000.00	2,965.37	2,906.11	2,845.66	14.25	13.93	-128.91	445.84	361.66	759.39	732.07	27.33	27.790		
3,100.00	3,063.91	3,009.67	2,939.97	14.73	14.43	-128.88	459.56	376.37	785.85	757.59	28.26	27.809		
3,200.00	3,162.45	3,086.76	3,034.28	15.20	14.80	-128.85	473.28	391.08	812.31	783.24	29.07	27.945		
3,300.00	3,260.99	3,183.20	3,128.60	15.68	15.27	-128.82	487.00	405.79	838.77	808.80	29.97	27.986		
3,400.00	3,359.53	3,279.63	3,222.91	16.16	15.74	-128.80	500.71	420.50	865.23	834.36	30.87	28.024		
3,500.00	3,458.07	3,376.07	3,317.22	16.64	16.20	-128.77	514.43	435.22	891.69	859.91	31.78	28.058		
3,600.00	3,556.61	3,472.50	3,411.54	17.12	16.67	-128.75	528.15	449.93	918.15	885.46	32.69	28.089		
3,700.00	3,655.15	3,568.94	3,505.85	17.60	17.14	-128.73	541.87	464.64	944.61	911.02	33.60	28.117		
3,800.00	3,753.69	3,665.37	3,600.17	18.08	17.61	-128.71	555.59	479.35	971.07	936.57	34.51	28.143		
3,900.00	3,852.23	3,761.81	3,694.48	18.56	18.08	-128.69	569.31	494.06	997.53	962.12	35.42	28.166		
4,000.00	3,950.77	3,858.24	3,788.79	19.04	18.55	-128.67	583.03	508.77	1,024.00	987.67	36.33	28.188		
4,100.00	4,049.31	3,954.68	3,883.11	19.52	19.02	-128.65	596.75	523.49	1,050.46	1,013.22	37.24	28.208		
4,200.00	4,147.86	4,051.11	3,977.42	20.00	19.49	-128.64	610.47	538.20	1,076.92	1,038.76	38.15	28.226		
4,300.00	4,246.40	4,147.55	4,071.73	20.49	19.96	-128.62	624.19	552.91	1,103.38	1,064.31	39.07	28.242		
4,400.00	4,344.94	4,243.98	4,166.05	20.97	20.43	-128.61	637.90	567.62	1,129.84	1,089.86	39.98	28.258		
4,500.00	4,443.48	4,340.42	4,260.36	21.45	20.90	-128.59	651.62	582.33	1,156.30	1,115.40	40.90	28.272		
4,600.00	4,542.02	4,436.85	4,354.67	21.94	21.38	-128.58	665.34	597.05	1,182.76	1,140.95	41.82	28.285		
4,700.00	4,640.56	4,533.29	4,448.99	22.42	21.85	-128.57	679.06	611.76	1,209.22	1,166.49	42.73	28.298		
4,800.00	4,739.10	4,629.72	4,543.30	22.91	22.32	-128.55	692.78	626.47	1,235.69	1,192.04	43.65	28.309		
4,900.00	4,837.64	4,726.16	4,637.62	23.39	22.80	-128.54	706.50	641.18	1,262.15	1,217.58	44.57	28.320		
5,000.00	4,936.18	4,822.59	4,731.93	23.87	23.27	-128.53	720.22	655.89	1,288.61	1,243.12	45.49	28.329		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	4,919.03	4,826.24	24.36	23.74	-128.52	733.94	670.60	1,315.07	1,268.66	46.41	28.338		
5,200.00	5,133.26	5,015.47	4,920.56	24.84	24.22	-128.51	747.66	685.32	1,341.53	1,294.21	47.33	28.347		
5,300.00	5,231.80	5,111.90	5,014.87	25.33	24.69	-128.50	761.37	700.03	1,367.99	1,319.75	48.25	28.355		
5,400.00	5,330.34	5,208.34	5,109.18	25.82	25.16	-128.49	775.09	714.74	1,394.46	1,345.29	49.17	28.362		
5,500.00	5,428.89	5,304.77	5,203.50	26.30	25.64	-128.48	788.81	729.45	1,420.92	1,370.83	50.09	28.369		
5,600.00	5,527.43	5,401.21	5,297.81	26.79	26.11	-128.47	802.53	744.16	1,447.38	1,396.37	51.01	28.375		
5,700.00	5,625.97	5,502.36	5,392.13	27.27	26.61	-128.46	816.25	758.87	1,473.84	1,421.89	51.95	28.369		
5,800.00	5,724.51	5,605.92	5,486.44	27.76	27.12	-128.45	829.97	773.59	1,500.30	1,447.39	52.91	28.356		
5,900.00	5,823.05	5,709.49	5,580.75	28.24	27.63	-128.45	843.69	788.30	1,526.77	1,472.90	53.87	28.343		
6,000.00	5,921.59	5,786.95	5,675.07	28.73	28.01	-128.44	857.41	803.01	1,553.23	1,498.53	54.70	28.396		
6,100.00	6,020.13	5,883.38	5,769.38	29.22	28.49	-128.43	871.13	817.72	1,579.69	1,524.07	55.62	28.401		
6,200.00	6,118.67	5,979.82	5,863.69	29.70	28.96	-128.42	884.85	832.43	1,606.15	1,549.61	56.54	28.405		
6,300.00	6,217.21	6,076.25	5,958.01	30.19	29.44	-128.42	898.56	847.15	1,632.61	1,575.15	57.47	28.409		
6,400.00	6,315.75	6,172.69	6,052.32	30.68	29.91	-128.41	912.28	861.86	1,659.08	1,600.68	58.39	28.413		
6,500.00	6,414.29	6,269.12	6,146.64	31.16	30.39	-128.40	926.00	876.57	1,685.54	1,626.22	59.32	28.416		
6,582.51	6,495.60	6,348.69	6,224.45	31.57	30.78	-128.40	937.32	888.71	1,707.37	1,647.29	60.08	28.419		
6,600.00	6,512.86	6,365.54	6,240.94	31.65	30.87	-136.33	939.72	891.28	1,712.04	1,651.80	60.24	28.420		
6,650.00	6,562.39	6,416.14	6,290.42	31.88	31.11	-167.88	946.92	898.97	1,725.75	1,665.04	60.71	28.426		
6,700.00	6,611.96	6,468.27	6,371.43	32.08	31.49	158.22	958.41	905.41	1,739.45	1,678.02	61.43	28.316		
6,750.00	6,661.26	6,518.88	6,454.11	32.27	31.82	136.36	969.64	901.12	1,752.63	1,690.54	62.09	28.229		
6,800.00	6,709.99	6,566.28	6,536.35	32.44	32.13	123.83	980.30	885.75	1,765.18	1,702.48	62.70	28.154		
6,850.00	6,757.84	6,750.72	6,615.96	32.61	32.43	115.95	990.08	859.56	1,777.03	1,713.75	63.28	28.082		
6,900.00	6,804.53	6,834.42	6,690.86	32.77	32.74	110.40	998.76	823.36	1,788.13	1,724.28	63.85	28.006		
6,950.00	6,849.77	6,916.66	6,759.31	32.92	33.07	106.16	1,006.13	778.48	1,798.42	1,734.00	64.42	27.918		
7,000.00	6,893.27	6,996.82	6,820.03	33.07	33.43	102.70	1,012.12	726.56	1,807.89	1,742.88	65.01	27.810		
7,050.00	6,934.77	7,074.43	6,872.24	33.23	33.83	99.77	1,016.68	669.39	1,816.54	1,750.89	65.65	27.671		
7,100.00	6,974.01	7,149.16	6,915.69	33.39	34.27	97.22	1,019.87	608.73	1,824.35	1,758.01	66.34	27.500		
7,150.00	7,010.75	7,220.82	6,950.49	33.55	34.78	94.96	1,021.77	546.16	1,831.35	1,764.24	67.11	27.290		
7,200.00	7,044.77	7,289.36	6,977.08	33.72	35.34	92.93	1,022.52	483.02	1,837.54	1,769.60	67.93	27.050		
7,250.00	7,075.85	7,354.82	6,996.06	33.92	35.94	91.12	1,022.24	420.41	1,842.92	1,774.11	68.82	26.781		
7,300.00	7,103.80	7,417.31	7,008.16	34.13	36.58	89.50	1,021.06	359.13	1,847.52	1,777.77	69.75	26.487		
7,350.00	7,128.45	7,476.99	7,014.11	34.38	37.24	88.04	1,019.13	299.81	1,851.34	1,780.62	70.72	26.178		
7,400.00	7,149.65	7,530.95	7,014.87	34.67	37.87	86.79	1,016.74	245.92	1,854.39	1,782.70	71.69	25.867		
7,450.00	7,167.26	7,577.54	7,014.42	35.00	38.46	85.83	1,014.51	199.38	1,856.82	1,784.18	72.65	25.559		
7,500.00	7,181.19	7,625.41	7,013.96	35.38	39.10	85.08	1,012.23	151.57	1,858.60	1,784.89	73.70	25.217		
7,550.00	7,191.34	7,674.26	7,013.49	35.81	39.78	84.55	1,009.90	102.78	1,859.62	1,784.76	74.85	24.843		
7,600.00	7,197.65	7,723.78	7,013.01	36.28	40.52	84.26	1,007.54	53.32	1,859.81	1,783.71	76.09	24.441		
7,650.00	7,200.08	7,773.67	7,012.53	36.80	41.30	84.20	1,005.16	3.48	1,859.13	1,781.71	77.42	24.013		
7,667.87	7,200.00	7,791.54	7,012.36	36.99	41.58	84.23	1,004.31	-14.36	1,858.68	1,780.77	77.91	23.857		
7,700.00	7,199.42	7,823.65	7,012.05	37.35	42.11	84.24	1,002.77	-46.44	1,857.76	1,778.93	78.83	23.567		
7,800.00	7,197.60	7,923.61	7,011.08	38.62	43.83	84.26	998.01	-146.28	1,854.89	1,773.02	81.87	22.656		
7,900.00	7,195.78	8,023.57	7,010.12	40.06	45.66	84.27	993.24	-246.12	1,852.02	1,766.84	85.18	21.741		
8,000.00	7,193.97	8,123.53	7,009.16	41.66	47.59	84.29	988.47	-345.95	1,849.16	1,760.42	88.74	20.838		
8,100.00	7,192.15	8,223.48	7,008.19	43.40	49.61	84.31	983.70	-445.79	1,846.29	1,753.79	92.50	19.959		
8,200.00	7,190.33	8,323.44	7,007.23	45.25	51.71	84.33	978.93	-545.63	1,843.43	1,746.97	96.46	19.111		
8,300.00	7,188.51	8,423.40	7,006.26	47.20	53.88	84.34	974.17	-645.47	1,840.56	1,739.98	100.58	18.300		
8,400.00	7,186.70	8,523.35	7,005.30	49.25	56.10	84.36	969.40	-745.31	1,837.70	1,732.85	104.84	17.528		
8,500.00	7,184.88	8,623.31	7,004.33	51.37	58.38	84.38	964.63	-845.15	1,834.83	1,725.59	109.24	16.797		
8,600.00	7,183.06	8,723.27	7,003.37	53.56	60.71	84.40	959.86	-944.99	1,831.97	1,718.22	113.75	16.106		
8,700.00	7,181.24	8,823.23	7,002.40	55.81	63.08	84.42	955.09	-1,044.83	1,829.10	1,710.75	118.35	15.455		
8,800.00	7,179.43	8,923.18	7,001.44	58.11	65.48	84.43	950.33	-1,144.67	1,826.24	1,703.19	123.05	14.841		
8,900.00	7,177.61	9,023.14	7,000.48	60.46	67.92	84.45	945.56	-1,244.50	1,823.37	1,695.55	127.83	14.264		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	9,123.10	6,999.51	62.85	70.39	84.47	940.79	-1,344.34	1,820.51	1,687.83	132.68	13.721		
9,100.00	7,173.98	9,223.06	6,998.55	65.28	72.89	84.49	936.02	-1,444.18	1,817.65	1,680.06	137.59	13.211		
9,200.00	7,172.16	9,323.01	6,997.58	67.74	75.41	84.51	931.26	-1,544.02	1,814.78	1,672.23	142.55	12.730		
9,300.00	7,170.34	9,422.97	6,996.62	70.23	77.95	84.52	926.49	-1,643.86	1,811.92	1,664.35	147.57	12.278		
9,400.00	7,168.52	9,522.93	6,995.65	72.74	80.51	84.54	921.72	-1,743.70	1,809.06	1,656.42	152.64	11.852		
9,500.00	7,166.71	9,622.88	6,994.69	75.28	83.09	84.56	916.95	-1,843.54	1,806.19	1,648.45	157.74	11.450		
9,600.00	7,164.89	9,722.84	6,993.73	77.84	85.68	84.58	912.18	-1,943.38	1,803.33	1,640.44	162.89	11.071		
9,700.00	7,163.07	9,822.80	6,992.76	80.43	88.29	84.60	907.42	-2,043.22	1,800.47	1,632.40	168.06	10.713		
9,800.00	7,161.26	9,922.76	6,991.80	83.02	90.92	84.62	902.65	-2,143.05	1,797.61	1,624.33	173.27	10.374		
9,900.00	7,159.44	10,022.71	6,990.83	85.64	93.55	84.64	897.88	-2,242.89	1,794.74	1,616.23	178.51	10.054		
10,000.00	7,157.62	10,122.67	6,989.87	88.27	96.20	84.66	893.11	-2,342.73	1,791.88	1,608.11	183.77	9.751		
10,100.00	7,155.80	10,222.63	6,988.90	90.91	98.86	84.67	888.34	-2,442.57	1,789.02	1,599.96	189.06	9.463		
10,200.00	7,153.99	10,322.59	6,987.94	93.56	101.53	84.69	883.58	-2,542.41	1,786.16	1,591.79	194.37	9.190		
10,300.00	7,152.17	10,422.54	6,986.97	96.23	104.20	84.71	878.81	-2,642.25	1,783.30	1,583.60	199.69	8.930		
10,400.00	7,150.35	10,522.50	6,986.01	98.90	106.89	84.73	874.04	-2,742.09	1,780.43	1,575.39	205.04	8.683		
10,500.00	7,148.54	10,622.46	6,985.05	101.59	109.58	84.75	869.27	-2,841.93	1,777.57	1,567.17	210.40	8.448		
10,600.00	7,146.72	10,722.42	6,984.08	104.28	112.28	84.77	864.50	-2,941.77	1,774.71	1,558.93	215.78	8.224		
10,700.00	7,144.90	10,822.37	6,983.12	106.98	114.99	84.79	859.74	-3,041.60	1,771.85	1,550.67	221.18	8.011		
10,800.00	7,143.08	10,922.33	6,982.15	109.69	117.70	84.81	854.97	-3,141.44	1,768.99	1,542.40	226.59	7.807		
10,900.00	7,141.27	11,022.29	6,981.19	112.41	120.42	84.83	850.20	-3,241.28	1,766.13	1,534.12	232.01	7.612		
11,000.00	7,139.45	11,122.24	6,980.22	115.13	123.14	84.85	845.43	-3,341.12	1,763.27	1,525.83	237.44	7.426		
11,100.00	7,137.63	11,222.20	6,979.26	117.86	125.87	84.87	840.67	-3,440.96	1,760.41	1,517.52	242.89	7.248		
11,200.00	7,135.82	11,322.16	6,978.30	120.59	128.60	84.88	835.90	-3,540.80	1,757.55	1,509.21	248.34	7.077		
11,300.00	7,134.00	11,422.12	6,977.33	123.33	131.34	84.90	831.13	-3,640.64	1,754.69	1,500.89	253.80	6.914		
11,400.00	7,132.18	11,522.07	6,976.37	126.07	134.08	84.92	826.36	-3,740.48	1,751.83	1,492.55	259.28	6.757		
11,500.00	7,130.36	11,622.03	6,975.40	128.82	136.83	84.94	821.59	-3,840.31	1,748.97	1,484.21	264.76	6.606		
11,600.00	7,128.55	11,721.99	6,974.44	131.57	139.58	84.96	816.83	-3,940.15	1,746.11	1,475.86	270.25	6.461		
11,700.00	7,126.73	11,821.95	6,973.47	134.33	142.33	84.98	812.06	-4,039.99	1,743.26	1,467.51	275.75	6.322		
11,800.00	7,124.91	11,921.90	6,972.51	137.09	145.09	85.00	807.29	-4,139.83	1,740.40	1,459.14	281.25	6.188		
11,900.00	7,123.10	12,021.86	6,971.55	139.85	147.84	85.02	802.52	-4,239.67	1,737.54	1,450.77	286.76	6.059		
12,000.00	7,121.28	12,121.82	6,970.58	142.62	150.61	85.04	797.75	-4,339.51	1,734.68	1,442.40	292.28	5.935		
12,100.00	7,119.46	12,221.77	6,969.62	145.39	153.37	85.06	792.99	-4,439.35	1,731.82	1,434.01	297.81	5.815		
12,200.00	7,117.64	12,321.73	6,968.65	148.16	156.14	85.08	788.22	-4,539.19	1,728.96	1,425.63	303.34	5.700		
12,300.00	7,115.83	12,421.69	6,967.69	150.94	158.91	85.10	783.45	-4,639.03	1,726.11	1,417.23	308.87	5.588		
12,400.00	7,114.01	12,521.65	6,966.72	153.72	161.68	85.12	778.68	-4,738.86	1,723.25	1,408.84	314.41	5.481		
12,500.00	7,112.19	12,621.60	6,965.76	156.50	164.45	85.14	773.92	-4,838.70	1,720.39	1,400.43	319.96	5.377		
12,600.00	7,110.37	12,721.56	6,964.79	159.28	167.23	85.16	769.15	-4,938.54	1,717.54	1,392.03	325.51	5.276		
12,700.00	7,108.56	12,821.52	6,963.83	162.07	170.01	85.19	764.38	-5,038.38	1,714.68	1,383.61	331.07	5.179		
12,800.00	7,106.74	12,921.48	6,962.87	164.86	172.79	85.21	759.61	-5,138.22	1,711.82	1,375.20	336.62	5.085		
12,900.00	7,104.92	13,021.43	6,961.90	167.65	175.57	85.23	754.84	-5,238.06	1,708.97	1,366.78	342.19	4.994		
13,000.00	7,103.11	13,121.39	6,960.94	170.44	178.35	85.25	750.08	-5,337.90	1,706.11	1,358.36	347.75	4.906		
13,100.00	7,101.29	13,221.35	6,959.97	173.23	181.14	85.27	745.31	-5,437.74	1,703.26	1,349.93	353.33	4.821		
13,200.00	7,099.47	13,321.31	6,959.01	176.03	183.92	85.29	740.54	-5,537.58	1,700.40	1,341.50	358.90	4.738		
13,300.00	7,097.65	13,421.26	6,958.04	178.82	186.71	85.31	735.77	-5,637.41	1,697.55	1,333.07	364.48	4.657		
13,400.00	7,095.84	13,521.22	6,957.08	181.62	189.50	85.33	731.00	-5,737.25	1,694.69	1,324.63	370.06	4.580		
13,500.00	7,094.02	13,621.18	6,956.12	184.42	192.29	85.35	726.24	-5,837.09	1,691.84	1,316.19	375.64	4.504		
13,600.00	7,092.20	13,721.13	6,955.15	187.22	195.08	85.37	721.47	-5,936.93	1,688.98	1,307.75	381.23	4.430		
13,700.00	7,090.39	13,821.09	6,954.19	190.03	197.88	85.39	716.70	-6,036.77	1,686.13	1,299.31	386.82	4.359		
13,800.00	7,088.57	13,921.05	6,953.22	192.83	200.67	85.42	711.93	-6,136.61	1,683.27	1,290.86	392.41	4.290		
13,900.00	7,086.75	14,021.01	6,952.26	195.64	203.47	85.44	707.17	-6,236.45	1,680.42	1,282.41	398.01	4.222		
14,000.00	7,084.93	14,120.96	6,951.29	198.44	206.26	85.46	702.40	-6,336.29	1,677.57	1,273.96	403.61	4.156		
14,100.00	7,083.12	14,220.92	6,950.33	201.25	209.06	85.48	697.63	-6,436.13	1,674.71	1,265.50	409.21	4.093		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 32N-6C-M - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	7,081.30	14,320.88	6,949.36	204.06	211.86	85.50	692.86	-6,535.96	1,671.86	1,257.05	414.81	4.030	
14,300.00	7,079.48	14,420.84	6,948.40	206.87	214.66	85.52	688.09	-6,635.80	1,669.01	1,248.59	420.42	3.970	
14,400.00	7,077.67	14,520.79	6,947.44	209.68	217.46	85.54	683.33	-6,735.64	1,666.15	1,240.13	426.02	3.911	
14,500.00	7,075.85	14,620.75	6,946.47	212.49	220.26	85.57	678.56	-6,835.48	1,663.30	1,231.67	431.63	3.853	
14,600.00	7,074.03	14,720.71	6,945.51	215.31	223.07	85.59	673.79	-6,935.32	1,660.45	1,223.20	437.25	3.798	
14,700.00	7,072.21	14,820.66	6,944.54	218.12	225.87	85.61	669.02	-7,035.16	1,657.60	1,214.74	442.86	3.743	
14,800.00	7,070.40	14,920.62	6,943.58	220.93	228.67	85.63	664.25	-7,135.00	1,654.74	1,206.27	448.48	3.690	
14,900.00	7,068.58	15,020.58	6,942.61	223.75	231.48	85.65	659.49	-7,234.84	1,651.89	1,197.80	454.09	3.638	
15,000.00	7,066.76	15,120.54	6,941.65	226.57	234.29	85.68	654.72	-7,334.68	1,649.04	1,189.33	459.71	3.587	
15,100.00	7,064.95	15,220.49	6,940.69	229.38	237.09	85.70	649.95	-7,434.51	1,646.19	1,180.86	465.33	3.538	
15,200.00	7,063.13	15,320.45	6,939.72	232.20	239.90	85.72	645.18	-7,534.35	1,643.34	1,172.38	470.96	3.489	
15,300.00	7,061.31	15,420.41	6,938.76	235.02	242.71	85.74	640.41	-7,634.19	1,640.49	1,163.91	476.58	3.442	
15,400.00	7,059.49	15,520.37	6,937.79	237.84	245.52	85.77	635.65	-7,734.03	1,637.64	1,155.43	482.21	3.396	
15,500.00	7,057.68	15,620.32	6,936.83	240.66	248.33	85.79	630.88	-7,833.87	1,634.79	1,146.95	487.83	3.351	
15,600.00	7,055.86	15,706.13	6,936.00	243.48	250.74	85.81	626.79	-7,919.57	1,632.00	1,138.89	493.11	3.310	
15,632.36	7,055.27	15,706.13	6,936.00	244.39	250.74	85.81	626.79	-7,919.57	1,631.68	1,137.70	493.98	3.303	
15,647.29	7,055.00	15,706.13	6,936.00	244.81	250.74	85.81	626.79	-7,919.57	1,631.75	1,137.43	494.32	3.301 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	59.75	5.85	60.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	59.75	5.85	60.03	53.46	6.57	9.138		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	59.75	5.85	60.03	53.36	6.67	8.995		
300.00	300.00	300.00	300.00	3.44	3.44	5.59	59.75	5.85	60.03	53.14	6.89	8.713 CC, ES		
400.00	399.98	399.83	399.81	3.60	3.60	-130.01	59.70	7.58	61.29	54.09	7.20	8.517		
500.00	499.84	499.56	499.40	3.79	3.80	-128.90	59.56	12.79	65.07	57.49	7.59	8.579		
600.00	599.45	599.09	598.54	4.03	4.04	-127.30	59.34	21.44	71.41	63.36	8.06	8.863		
700.00	698.70	701.63	697.09	4.30	4.32	-125.51	59.02	33.45	80.34	71.73	8.61	9.329		
790.00	787.61	787.81	785.74	4.57	4.58	-125.03	58.71	45.35	90.29	81.14	9.15	9.870		
800.00	797.47	802.26	795.58	4.60	4.63	-125.08	58.68	46.67	91.48	82.26	9.23	9.915		
900.00	896.01	902.98	893.97	4.94	4.96	-125.51	58.33	59.88	103.44	93.55	9.89	10.460		
1,000.00	994.55	1,003.70	992.37	5.30	5.32	-125.86	57.98	73.09	115.40	104.81	10.59	10.892		
1,100.00	1,093.09	1,104.42	1,090.76	5.68	5.69	-126.14	57.64	86.30	127.37	116.03	11.33	11.237		
1,200.00	1,191.63	1,205.14	1,189.16	6.08	6.07	-126.37	57.29	99.52	139.33	127.23	12.10	11.513		
1,300.00	1,290.17	1,305.86	1,287.56	6.49	6.47	-126.57	56.95	112.73	151.30	138.41	12.89	11.734		
1,400.00	1,388.71	1,406.58	1,385.95	6.91	6.88	-126.73	56.60	125.94	163.27	149.57	13.70	11.914		
1,500.00	1,487.25	1,507.30	1,484.35	7.34	7.29	-126.88	56.25	139.15	175.25	160.71	14.53	12.060		
1,600.00	1,585.79	1,608.02	1,582.75	7.77	7.71	-127.00	55.91	152.36	187.22	171.85	15.37	12.180		
1,700.00	1,684.34	1,708.74	1,681.14	8.22	8.14	-127.11	55.56	165.58	199.19	182.97	16.22	12.279		
1,800.00	1,782.88	1,809.46	1,779.54	8.66	8.57	-127.21	55.22	178.79	211.17	194.08	17.08	12.361		
1,900.00	1,881.42	1,889.82	1,877.94	9.12	8.91	-127.30	54.87	192.00	223.14	205.28	17.86	12.491		
2,000.00	1,979.96	1,989.10	1,976.33	9.57	9.34	-127.38	54.52	205.21	235.12	216.38	18.73	12.551		
2,100.00	2,078.50	2,088.38	2,074.73	10.03	9.78	-127.45	54.18	218.42	247.09	227.48	19.61	12.602		
2,200.00	2,177.04	2,187.66	2,173.12	10.49	10.21	-127.51	53.83	231.63	259.07	238.58	20.49	12.645		
2,300.00	2,275.58	2,286.94	2,271.52	10.95	10.65	-127.57	53.49	244.85	271.04	249.67	21.37	12.681		
2,400.00	2,374.12	2,386.22	2,369.92	11.42	11.09	-127.63	53.14	258.06	283.02	260.76	22.26	12.712		
2,500.00	2,472.66	2,485.50	2,468.31	11.89	11.54	-127.67	52.79	271.27	295.00	271.84	23.16	12.739		
2,600.00	2,571.20	2,584.78	2,566.71	12.36	11.98	-127.72	52.45	284.48	306.98	282.92	24.05	12.762		
2,700.00	2,669.74	2,684.05	2,665.11	12.83	12.42	-127.76	52.10	297.69	318.95	294.00	24.95	12.783		
2,800.00	2,768.28	2,783.33	2,763.50	13.30	12.87	-127.80	51.76	310.90	330.93	305.08	25.85	12.800		
2,900.00	2,866.83	2,882.61	2,861.90	13.78	13.32	-127.84	51.41	324.12	342.91	316.15	26.76	12.815		
3,000.00	2,965.37	2,981.89	2,960.29	14.25	13.77	-127.87	51.07	337.33	354.89	327.22	27.66	12.828		
3,100.00	3,063.91	3,081.17	3,058.69	14.73	14.22	-127.90	50.72	350.54	366.86	338.29	28.57	12.840		
3,200.00	3,162.45	3,180.45	3,157.09	15.20	14.67	-127.93	50.37	363.75	378.84	349.36	29.48	12.850		
3,300.00	3,260.99	3,279.73	3,255.48	15.68	15.12	-127.96	50.03	376.96	390.82	360.42	30.39	12.858		
3,400.00	3,359.53	3,379.01	3,353.88	16.16	15.57	-127.99	49.68	390.18	402.80	371.49	31.31	12.866		
3,500.00	3,458.07	3,478.29	3,452.28	16.64	16.03	-128.01	49.34	403.39	414.78	382.55	32.22	12.873		
3,600.00	3,556.61	3,577.57	3,550.67	17.12	16.48	-128.03	48.99	416.60	426.75	393.62	33.14	12.879		
3,700.00	3,655.15	3,676.85	3,649.07	17.60	16.93	-128.06	48.64	429.81	438.73	404.68	34.05	12.884		
3,800.00	3,753.69	3,776.13	3,747.46	18.08	17.39	-128.08	48.30	443.02	450.71	415.74	34.97	12.888		
3,900.00	3,852.23	3,875.41	3,845.86	18.56	17.84	-128.10	47.95	456.23	462.69	426.80	35.89	12.892		
4,000.00	3,950.77	3,974.69	3,944.26	19.04	18.30	-128.12	47.61	469.45	474.67	437.86	36.81	12.895		
4,100.00	4,049.31	4,073.97	4,042.65	19.52	18.75	-128.13	47.26	482.66	486.65	448.92	37.73	12.898		
4,200.00	4,147.86	4,173.25	4,141.05	20.00	19.21	-128.15	46.91	495.87	498.62	459.97	38.65	12.901		
4,300.00	4,246.40	4,272.53	4,239.45	20.49	19.67	-128.17	46.57	509.08	510.60	471.03	39.57	12.903		
4,400.00	4,344.94	4,371.81	4,337.84	20.97	20.12	-128.18	46.22	522.29	522.58	482.09	40.49	12.905		
4,500.00	4,443.48	4,471.09	4,436.24	21.45	20.58	-128.20	45.88	535.50	534.56	493.14	41.42	12.907		
4,600.00	4,542.02	4,570.37	4,534.63	21.94	21.04	-128.21	45.53	548.72	546.54	504.20	42.34	12.908		
4,700.00	4,640.56	4,669.65	4,633.03	22.42	21.49	-128.23	45.18	561.93	558.52	515.25	43.26	12.909		
4,800.00	4,739.10	4,768.93	4,731.43	22.91	21.95	-128.24	44.84	575.14	570.50	526.31	44.19	12.910		
4,900.00	4,837.64	4,868.21	4,829.82	23.39	22.41	-128.25	44.49	588.35	582.48	537.36	45.11	12.911		
5,000.00	4,936.18	4,967.49	4,928.22	23.87	22.87	-128.26	44.15	601.56	594.45	548.41	46.04	12.912		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	5,066.77	5,026.62	24.36	23.33	-128.27	43.80	614.77	606.43	559.47	46.97	12.912		
5,200.00	5,133.26	5,166.05	5,125.01	24.84	23.78	-128.28	43.45	627.99	618.41	570.52	47.89	12.913		
5,300.00	5,231.80	5,265.33	5,223.41	25.33	24.24	-128.30	43.11	641.20	630.39	581.57	48.82	12.913		
5,400.00	5,330.34	5,364.61	5,321.80	25.82	24.70	-128.31	42.76	654.41	642.37	592.62	49.75	12.913		
5,500.00	5,428.89	5,463.89	5,420.20	26.30	25.16	-128.32	42.42	667.62	654.35	603.68	50.67	12.913		
5,600.00	5,527.43	5,563.17	5,518.60	26.79	25.62	-128.32	42.07	680.83	666.33	614.73	51.60	12.913		
5,700.00	5,625.97	5,662.45	5,616.99	27.27	26.08	-128.33	41.72	694.05	678.31	625.78	52.53	12.913		
5,800.00	5,724.51	5,761.73	5,715.39	27.76	26.54	-128.34	41.38	707.26	690.29	636.83	53.46	12.913		
5,900.00	5,823.05	5,861.01	5,813.79	28.24	27.00	-128.35	41.03	720.47	702.26	647.88	54.38	12.913		
6,000.00	5,921.59	5,960.29	5,912.18	28.73	27.46	-128.36	40.69	733.68	714.24	658.93	55.31	12.913		
6,100.00	6,020.13	6,059.57	6,010.58	29.22	27.92	-128.37	40.34	746.89	726.22	669.98	56.24	12.912		
6,200.00	6,118.67	6,158.85	6,108.97	29.70	28.38	-128.38	39.99	760.10	738.20	681.03	57.17	12.912		
6,300.00	6,217.21	6,258.13	6,207.37	30.19	28.84	-128.38	39.65	773.32	750.18	692.08	58.10	12.912		
6,400.00	6,315.75	6,357.41	6,305.77	30.68	29.30	-128.39	39.30	786.53	762.16	703.13	59.03	12.911		
6,500.00	6,414.29	6,456.69	6,404.16	31.16	29.76	-128.40	38.96	799.74	774.14	714.18	59.96	12.911		
6,582.51	6,495.60	6,553.35	6,500.40	31.57	30.19	-128.75	38.46	807.87	783.43	722.61	60.82	12.882		
6,600.00	6,512.86	6,574.56	6,521.61	31.65	30.27	-136.61	38.29	807.76	785.19	724.21	60.98	12.875		
6,650.00	6,562.39	6,634.69	6,581.57	31.88	30.50	-168.05	37.68	803.60	790.20	728.77	61.43	12.863		
6,700.00	6,611.96	6,694.01	6,640.07	32.08	30.72	158.03	36.90	793.98	795.13	733.29	61.84	12.857		
6,750.00	6,661.26	6,752.46	6,696.61	32.27	30.94	136.21	35.97	779.22	799.98	737.74	62.23	12.854		
6,800.00	6,709.99	6,810.02	6,750.71	32.44	31.16	123.78	34.91	759.68	804.72	742.10	62.62	12.851		
6,850.00	6,757.84	6,866.65	6,802.01	32.61	31.39	116.05	33.72	735.77	809.36	746.35	63.01	12.845		
6,900.00	6,804.53	6,922.34	6,850.19	32.77	31.62	110.72	32.43	707.90	813.87	750.47	63.40	12.837		
6,950.00	6,849.77	6,977.10	6,895.01	32.92	31.86	106.73	31.05	676.50	818.25	754.44	63.81	12.823		
7,000.00	6,893.27	7,030.93	6,936.28	33.07	32.12	103.56	29.60	641.99	822.47	758.23	64.24	12.804		
7,050.00	6,934.77	7,083.85	6,973.86	33.23	32.39	100.94	28.08	604.79	826.52	761.84	64.69	12.777		
7,100.00	6,974.01	7,135.89	7,007.68	33.39	32.69	98.69	26.53	565.29	830.39	765.22	65.17	12.742		
7,150.00	7,010.75	7,187.06	7,037.68	33.55	33.02	96.73	24.93	523.87	834.05	768.36	65.69	12.697		
7,200.00	7,044.77	7,237.42	7,063.86	33.72	33.37	94.99	23.32	480.90	837.47	771.22	66.25	12.641		
7,250.00	7,075.85	7,286.98	7,086.23	33.92	33.76	93.44	21.70	436.72	840.64	773.78	66.86	12.572		
7,300.00	7,103.80	7,335.79	7,104.83	34.13	34.18	92.04	20.08	391.64	843.54	776.01	67.53	12.491		
7,350.00	7,128.45	7,383.88	7,119.73	34.38	34.62	90.79	18.47	345.95	846.15	777.89	68.26	12.397		
7,400.00	7,149.65	7,431.30	7,131.00	34.67	35.10	89.66	16.88	299.93	848.43	779.39	69.04	12.289		
7,450.00	7,167.26	7,478.07	7,138.72	35.00	35.60	88.65	15.31	253.84	850.38	780.49	69.89	12.168		
7,500.00	7,181.19	7,524.24	7,143.01	35.38	36.12	87.75	13.78	207.91	851.97	781.19	70.79	12.036		
7,550.00	7,191.34	7,570.02	7,143.97	35.81	36.66	86.97	12.27	162.17	853.19	781.45	71.74	11.892		
7,600.00	7,197.65	7,619.53	7,143.39	36.28	37.29	86.38	10.66	112.69	853.88	781.05	72.83	11.724		
7,650.00	7,200.08	7,669.42	7,142.81	36.80	37.96	86.15	9.04	62.82	853.86	779.83	74.03	11.534		
7,667.87	7,200.00	7,687.29	7,142.61	36.99	38.20	86.16	8.46	44.97	853.67	779.19	74.48	11.462		
7,700.00	7,199.42	7,719.42	7,142.23	37.35	38.67	86.17	7.41	12.86	853.25	777.92	75.33	11.327		
7,800.00	7,197.60	7,819.41	7,141.07	38.62	40.20	86.21	4.15	-87.07	851.93	773.74	78.19	10.895		
7,900.00	7,195.78	7,919.40	7,139.91	40.06	41.87	86.25	0.90	-187.00	850.61	769.26	81.35	10.456		
8,000.00	7,193.97	8,019.39	7,138.74	41.66	43.66	86.28	-2.36	-286.93	849.29	764.51	84.77	10.018		
8,100.00	7,192.15	8,119.38	7,137.58	43.40	45.56	86.32	-5.62	-386.86	847.97	759.54	88.43	9.589		
8,200.00	7,190.33	8,219.37	7,136.42	45.25	47.56	86.36	-8.87	-486.79	846.65	754.35	92.29	9.174		
8,300.00	7,188.51	8,319.36	7,135.25	47.20	49.63	86.40	-12.13	-586.72	845.33	748.99	96.34	8.775		
8,400.00	7,186.70	8,419.35	7,134.09	49.25	51.78	86.44	-15.39	-686.65	844.01	743.47	100.54	8.395		
8,500.00	7,184.88	8,519.34	7,132.93	51.37	54.00	86.48	-18.64	-786.58	842.69	737.81	104.88	8.035		
8,600.00	7,183.06	8,619.32	7,131.76	53.56	56.27	86.52	-21.90	-886.51	841.37	732.02	109.35	7.694		
8,700.00	7,181.24	8,719.31	7,130.60	55.81	58.59	86.56	-25.15	-986.44	840.05	726.12	113.93	7.373		
8,800.00	7,179.43	8,819.30	7,129.44	58.11	60.95	86.60	-28.41	-1,086.37	838.74	720.13	118.60	7.072		
8,900.00	7,177.61	8,919.29	7,128.27	60.46	63.36	86.64	-31.67	-1,186.30	837.42	714.06	123.36	6.788		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	9,019.28	7,127.11	62.85	65.80	86.67	-34.92	-1,286.23	836.10	707.90	128.20	6.522		
9,100.00	7,173.98	9,119.27	7,125.95	65.28	68.27	86.71	-38.18	-1,386.16	834.79	701.68	133.10	6.272		
9,200.00	7,172.16	9,219.26	7,124.79	67.74	70.77	86.75	-41.44	-1,486.09	833.47	695.40	138.07	6.037		
9,300.00	7,170.34	9,319.25	7,123.62	70.23	73.29	86.79	-44.69	-1,586.02	832.15	689.07	143.09	5.816		
9,400.00	7,168.52	9,419.24	7,122.46	72.74	75.84	86.83	-47.95	-1,685.95	830.84	682.69	148.15	5.608		
9,500.00	7,166.71	9,519.23	7,121.30	75.28	78.40	86.87	-51.20	-1,785.88	829.52	676.26	153.26	5.412		
9,600.00	7,164.89	9,619.22	7,120.13	77.84	80.99	86.92	-54.46	-1,885.81	828.21	669.79	158.42	5.228		
9,700.00	7,163.07	9,719.21	7,118.97	80.43	83.59	86.96	-57.72	-1,985.74	826.90	663.29	163.60	5.054		
9,800.00	7,161.26	9,819.20	7,117.81	83.02	86.21	87.00	-60.97	-2,085.67	825.58	656.76	168.82	4.890		
9,900.00	7,159.44	9,919.19	7,116.64	85.64	88.84	87.04	-64.23	-2,185.60	824.27	650.20	174.07	4.735		
10,000.00	7,157.62	10,019.18	7,115.48	88.27	91.48	87.08	-67.49	-2,285.53	822.96	643.61	179.35	4.589		
10,100.00	7,155.80	10,119.17	7,114.32	90.91	94.14	87.12	-70.74	-2,385.46	821.65	636.99	184.65	4.450		
10,200.00	7,153.99	10,219.16	7,113.15	93.56	96.81	87.16	-74.00	-2,485.39	820.33	630.35	189.98	4.318		
10,300.00	7,152.17	10,319.15	7,111.99	96.23	99.48	87.20	-77.26	-2,585.32	819.02	623.70	195.33	4.193		
10,400.00	7,150.35	10,419.14	7,110.83	98.90	102.17	87.24	-80.51	-2,685.25	817.71	617.02	200.69	4.074		
10,500.00	7,148.54	10,519.13	7,109.67	101.59	104.86	87.28	-83.77	-2,785.18	816.40	610.33	206.08	3.962		
10,600.00	7,146.72	10,619.12	7,108.50	104.28	107.56	87.33	-87.02	-2,885.11	815.09	603.62	211.47	3.854		
10,700.00	7,144.90	10,719.11	7,107.34	106.98	110.27	87.37	-90.28	-2,985.04	813.78	596.89	216.89	3.752		
10,800.00	7,143.08	10,819.10	7,106.18	109.69	112.99	87.41	-93.54	-3,084.97	812.47	590.15	222.32	3.655		
10,900.00	7,141.27	10,919.09	7,105.01	112.41	115.71	87.45	-96.79	-3,184.90	811.16	583.40	227.76	3.561		
11,000.00	7,139.45	11,019.08	7,103.85	115.13	118.43	87.49	-100.05	-3,284.83	809.86	576.64	233.22	3.473		
11,100.00	7,137.63	11,119.07	7,102.69	117.86	121.17	87.54	-103.31	-3,384.75	808.55	569.86	238.68	3.388		
11,200.00	7,135.82	11,219.06	7,101.52	120.59	123.90	87.58	-106.56	-3,484.68	807.24	563.08	244.16	3.306		
11,300.00	7,134.00	11,319.05	7,100.36	123.33	126.64	87.62	-109.82	-3,584.61	805.93	556.29	249.65	3.228		
11,400.00	7,132.18	11,419.04	7,099.20	126.07	129.39	87.66	-113.08	-3,684.54	804.63	549.48	255.14	3.154		
11,500.00	7,130.36	11,519.03	7,098.03	128.82	132.14	87.71	-116.33	-3,784.47	803.32	542.67	260.65	3.082		
11,600.00	7,128.55	11,619.01	7,096.87	131.57	134.89	87.75	-119.59	-3,884.40	802.02	535.85	266.16	3.013		
11,700.00	7,126.73	11,719.00	7,095.71	134.33	137.65	87.79	-122.84	-3,984.33	800.71	529.03	271.68	2.947		
11,800.00	7,124.91	11,818.99	7,094.55	137.09	140.41	87.84	-126.10	-4,084.26	799.41	522.20	277.21	2.884		
11,900.00	7,123.10	11,918.98	7,093.38	139.85	143.18	87.88	-129.36	-4,184.19	798.10	515.36	282.74	2.823		
12,000.00	7,121.28	12,018.97	7,092.22	142.62	145.95	87.92	-132.61	-4,284.12	796.80	508.51	288.29	2.764		
12,100.00	7,119.46	12,118.96	7,091.06	145.39	148.72	87.97	-135.87	-4,384.05	795.49	501.66	293.83	2.707		
12,200.00	7,117.64	12,218.95	7,089.89	148.16	151.49	88.01	-139.13	-4,483.98	794.19	494.80	299.39	2.653		
12,300.00	7,115.83	12,318.94	7,088.73	150.94	154.26	88.05	-142.38	-4,583.91	792.89	487.94	304.94	2.600		
12,400.00	7,114.01	12,418.93	7,087.57	153.72	157.04	88.10	-145.64	-4,683.84	791.59	481.08	310.51	2.549		
12,500.00	7,112.19	12,518.92	7,086.40	156.50	159.82	88.14	-148.89	-4,783.77	790.29	474.21	316.08	2.500		
12,600.00	7,110.37	12,618.91	7,085.24	159.28	162.60	88.19	-152.15	-4,883.70	788.98	467.33	321.65	2.453		
12,700.00	7,108.56	12,718.90	7,084.08	162.07	165.39	88.23	-155.41	-4,983.63	787.68	460.46	327.23	2.407		
12,800.00	7,106.74	12,818.89	7,082.91	164.86	168.18	88.28	-158.66	-5,083.56	786.38	453.58	332.81	2.363		
12,900.00	7,104.92	12,918.88	7,081.75	167.65	170.96	88.32	-161.92	-5,183.49	785.08	446.69	338.39	2.320		
13,000.00	7,103.11	13,018.87	7,080.59	170.44	173.75	88.37	-165.18	-5,283.42	783.79	439.80	343.98	2.279		
13,100.00	7,101.29	13,118.86	7,079.43	173.23	176.55	88.41	-168.43	-5,383.35	782.49	432.91	349.58	2.238		
13,200.00	7,099.47	13,218.85	7,078.26	176.03	179.34	88.46	-171.69	-5,483.28	781.19	426.02	355.17	2.199		
13,300.00	7,097.65	13,318.84	7,077.10	178.82	182.13	88.50	-174.95	-5,583.21	779.89	419.12	360.77	2.162		
13,400.00	7,095.84	13,418.83	7,075.94	181.62	184.93	88.55	-178.20	-5,683.14	778.59	412.22	366.37	2.125		
13,500.00	7,094.02	13,518.82	7,074.77	184.42	187.73	88.59	-181.46	-5,783.07	777.30	405.32	371.98	2.090		
13,600.00	7,092.20	13,618.81	7,073.61	187.22	190.53	88.64	-184.71	-5,883.00	776.00	398.41	377.59	2.055		
13,700.00	7,090.39	13,718.80	7,072.45	190.03	193.33	88.69	-187.97	-5,982.93	774.71	391.51	383.20	2.022		
13,800.00	7,088.57	13,818.79	7,071.28	192.83	196.13	88.73	-191.23	-6,082.86	773.41	384.60	388.81	1.989		
13,900.00	7,086.75	13,918.78	7,070.12	195.64	198.93	88.78	-194.48	-6,182.79	772.12	377.69	394.43	1.958		
14,000.00	7,084.93	14,018.77	7,068.96	198.44	201.74	88.83	-197.74	-6,282.72	770.82	370.78	400.04	1.927		
14,100.00	7,083.12	14,118.76	7,067.79	201.25	204.54	88.87	-201.00	-6,382.65	769.53	363.86	405.66	1.897		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,081.30	14,218.75	7,066.63	204.06	207.35	88.92	-204.25	-6,482.58	768.24	356.95	411.29	1.868		
14,300.00	7,079.48	14,318.74	7,065.47	206.87	210.15	88.97	-207.51	-6,582.51	766.94	350.03	416.91	1.840		
14,400.00	7,077.67	14,418.73	7,064.31	209.68	212.96	89.01	-210.77	-6,682.44	765.65	343.12	422.54	1.812		
14,500.00	7,075.85	14,518.71	7,063.14	212.49	215.77	89.06	-214.02	-6,782.37	764.36	336.20	428.16	1.785		
14,600.00	7,074.03	14,618.70	7,061.98	215.31	218.58	89.11	-217.28	-6,882.30	763.07	329.28	433.79	1.759		
14,700.00	7,072.21	14,718.69	7,060.82	218.12	221.39	89.16	-220.53	-6,982.23	761.78	322.35	439.42	1.734		
14,800.00	7,070.40	14,818.68	7,059.65	220.93	224.20	89.20	-223.79	-7,082.16	760.49	315.43	445.06	1.709		
14,900.00	7,068.58	14,918.67	7,058.49	223.75	227.02	89.25	-227.05	-7,182.09	759.20	308.51	450.69	1.685		
15,000.00	7,066.76	15,018.66	7,057.33	226.57	229.83	89.30	-230.30	-7,282.02	757.91	301.59	456.32	1.661		
15,100.00	7,064.95	15,118.65	7,056.16	229.38	232.64	89.35	-233.56	-7,381.95	756.62	294.66	461.96	1.638		
15,200.00	7,063.13	15,218.64	7,055.00	232.20	235.46	89.40	-236.82	-7,481.88	755.33	287.74	467.60	1.615		
15,300.00	7,061.31	15,318.63	7,053.84	235.02	238.27	89.45	-240.07	-7,581.81	754.05	280.81	473.24	1.593		
15,400.00	7,059.49	15,418.62	7,052.67	237.84	241.09	89.49	-243.33	-7,681.74	752.76	273.88	478.88	1.572		
15,500.00	7,057.68	15,518.61	7,051.51	240.66	243.91	89.54	-246.58	-7,781.67	751.47	266.96	484.52	1.551		
15,600.00	7,055.86	15,618.60	7,050.35	243.48	246.72	89.59	-249.84	-7,881.60	750.19	260.03	490.16	1.530		
15,639.56	7,055.14	15,648.52	7,050.00	244.59	247.57	89.61	-250.82	-7,911.50	749.74	257.62	492.12	1.523		
15,647.29	7,055.00	15,648.52	7,050.00	244.81	247.57	89.61	-250.82	-7,911.50	749.78	257.51	492.28	1.523 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.54	74.68	7.24	75.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.54	74.68	7.24	75.03	68.46	6.57	11.421		
200.00	200.00	200.00	200.00	3.34	3.34	5.54	74.68	7.24	75.03	68.36	6.67	11.242 CC, ES		
300.00	300.00	298.97	298.95	3.44	3.44	6.73	75.18	8.87	75.71	68.82	6.89	10.990		
400.00	399.98	397.74	397.59	3.60	3.60	-126.78	76.66	13.77	78.96	71.75	7.20	10.963		
500.00	499.84	496.14	495.62	3.79	3.80	-124.33	79.12	21.87	85.94	78.33	7.61	11.294		
600.00	599.45	593.99	592.74	4.03	4.06	-122.18	82.52	33.13	96.64	88.53	8.11	11.917		
700.00	698.70	691.09	688.69	4.30	4.37	-120.42	86.85	47.42	110.98	102.29	8.69	12.770		
790.00	787.61	777.78	773.87	4.57	4.69	-119.18	91.52	62.81	126.94	117.66	9.28	13.683		
800.00	797.47	787.59	783.49	4.60	4.73	-119.09	92.08	64.68	128.86	119.51	9.35	13.787		
900.00	896.01	885.70	879.63	4.94	5.14	-118.37	97.75	83.39	148.12	138.07	10.05	14.734		
1,000.00	994.55	983.82	975.77	5.30	5.59	-117.81	103.42	102.11	167.41	156.59	10.81	15.482		
1,100.00	1,093.09	1,081.93	1,071.92	5.68	6.06	-117.37	109.09	120.82	186.70	175.09	11.61	16.078		
1,200.00	1,191.63	1,180.04	1,168.06	6.08	6.55	-117.01	114.76	139.53	206.00	193.56	12.44	16.553		
1,300.00	1,290.17	1,278.15	1,264.21	6.49	7.06	-116.71	120.42	158.25	225.31	212.01	13.30	16.935		
1,400.00	1,388.71	1,376.26	1,360.35	6.91	7.58	-116.45	126.09	176.96	244.63	230.44	14.19	17.245		
1,500.00	1,487.25	1,474.38	1,456.49	7.34	8.11	-116.24	131.76	195.67	263.94	248.86	15.09	17.497		
1,600.00	1,585.79	1,572.49	1,552.64	7.77	8.65	-116.05	137.43	214.38	283.27	267.27	16.00	17.704		
1,700.00	1,684.34	1,670.60	1,648.78	8.22	9.20	-115.89	143.10	233.10	302.59	285.66	16.93	17.876		
1,800.00	1,782.88	1,768.71	1,744.93	8.66	9.75	-115.75	148.77	251.81	321.91	304.05	17.87	18.019		
1,900.00	1,881.42	1,866.82	1,841.07	9.12	10.30	-115.62	154.44	270.52	341.24	322.43	18.81	18.139		
2,000.00	1,979.96	1,964.94	1,937.21	9.57	10.86	-115.51	160.10	289.24	360.57	340.80	19.77	18.241		
2,100.00	2,078.50	2,063.05	2,033.36	10.03	11.43	-115.41	165.77	307.95	379.90	359.17	20.73	18.327		
2,200.00	2,177.04	2,161.16	2,129.50	10.49	11.99	-115.32	171.44	326.66	399.23	377.54	21.70	18.401		
2,300.00	2,275.58	2,259.27	2,225.64	10.95	12.56	-115.24	177.11	345.38	418.56	395.89	22.67	18.465		
2,400.00	2,374.12	2,357.38	2,321.79	11.42	13.13	-115.16	182.78	364.09	437.90	414.25	23.65	18.519		
2,500.00	2,472.66	2,455.49	2,417.93	11.89	13.71	-115.09	188.45	382.80	457.23	432.60	24.63	18.567		
2,600.00	2,571.20	2,553.61	2,514.08	12.36	14.28	-115.03	194.12	401.51	476.56	450.95	25.61	18.608		
2,700.00	2,669.74	2,651.72	2,610.22	12.83	14.86	-114.97	199.78	420.23	495.90	469.30	26.60	18.644		
2,800.00	2,768.28	2,749.83	2,706.36	13.30	15.44	-114.91	205.45	438.94	515.23	487.64	27.59	18.676		
2,900.00	2,866.83	2,847.94	2,802.51	13.78	16.01	-114.86	211.12	457.65	534.57	505.99	28.58	18.704		
3,000.00	2,965.37	2,946.05	2,898.65	14.25	16.59	-114.82	216.79	476.37	553.90	524.33	29.58	18.728		
3,100.00	3,063.91	3,044.17	2,994.80	14.73	17.18	-114.77	222.46	495.08	573.24	542.67	30.57	18.750		
3,200.00	3,162.45	3,142.28	3,090.94	15.20	17.76	-114.73	228.13	513.79	592.58	561.00	31.57	18.770		
3,300.00	3,260.99	3,240.39	3,187.08	15.68	18.34	-114.69	233.80	532.50	611.91	579.34	32.57	18.787		
3,400.00	3,359.53	3,338.50	3,283.23	16.16	18.92	-114.66	239.46	551.22	631.25	597.68	33.57	18.802		
3,500.00	3,458.07	3,436.61	3,379.37	16.64	19.51	-114.62	245.13	569.93	650.59	616.01	34.58	18.816		
3,600.00	3,556.61	3,534.73	3,475.51	17.12	20.09	-114.59	250.80	588.64	669.92	634.34	35.58	18.828		
3,700.00	3,655.15	3,632.84	3,571.66	17.60	20.68	-114.56	256.47	607.36	689.26	652.67	36.59	18.839		
3,800.00	3,753.69	3,730.95	3,667.80	18.08	21.26	-114.53	262.14	626.07	708.60	671.01	37.59	18.849		
3,900.00	3,852.23	3,829.06	3,763.95	18.56	21.85	-114.51	267.81	644.78	727.94	689.34	38.60	18.858		
4,000.00	3,950.77	3,927.17	3,860.09	19.04	22.44	-114.48	273.48	663.49	747.27	707.66	39.61	18.866		
4,100.00	4,049.31	4,025.28	3,956.23	19.52	23.02	-114.46	279.14	682.21	766.61	725.99	40.62	18.873		
4,200.00	4,147.86	4,123.40	4,052.38	20.00	23.61	-114.43	284.81	700.92	785.95	744.32	41.63	18.880		
4,300.00	4,246.40	4,221.51	4,148.52	20.49	24.20	-114.41	290.48	719.63	805.29	762.65	42.64	18.885		
4,400.00	4,344.94	4,319.62	4,244.66	20.97	24.79	-114.39	296.15	738.35	824.63	780.98	43.65	18.891		
4,500.00	4,443.48	4,417.73	4,340.81	21.45	25.38	-114.37	301.82	757.06	843.97	799.30	44.66	18.896		
4,600.00	4,542.02	4,517.66	4,438.73	21.94	25.97	-114.35	307.59	776.10	863.30	817.60	45.69	18.893		
4,700.00	4,640.56	4,638.48	4,557.68	22.42	26.65	-114.49	313.72	796.36	881.17	834.26	46.90	18.787		
4,800.00	4,739.10	4,760.08	4,678.19	22.91	27.27	-114.88	318.42	811.88	896.51	848.46	48.05	18.656		
4,900.00	4,837.64	4,882.04	4,799.63	23.39	27.82	-115.51	321.65	822.52	909.36	860.22	49.14	18.504		
5,000.00	4,936.18	5,003.91	4,921.34	23.87	28.30	-116.39	323.37	828.20	919.81	869.64	50.17	18.335		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design		Boomerang 21-5 - Boomerang 33N-6C-M - OH - Plan #1											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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
5,100.00	5,034.72	5,117.30	5,034.72	24.36	28.68	-117.41	323.68	829.24	928.13	877.03	51.10	18.164		
5,200.00	5,133.26	5,215.84	5,133.26	24.84	29.01	-118.32	323.68	829.24	936.18	884.21	51.97	18.015		
5,300.00	5,231.80	5,314.38	5,231.80	25.33	29.33	-119.22	323.68	829.24	944.46	891.63	52.83	17.876		
5,400.00	5,330.34	5,412.92	5,330.34	25.82	29.66	-120.11	323.68	829.24	952.98	899.28	53.70	17.747		
5,500.00	5,428.89	5,511.46	5,428.89	26.30	29.99	-120.97	323.68	829.24	961.72	907.16	54.56	17.626		
5,600.00	5,527.43	5,610.01	5,527.43	26.79	30.33	-121.83	323.68	829.24	970.69	915.26	55.42	17.514		
5,700.00	5,625.97	5,708.55	5,625.97	27.27	30.67	-122.66	323.68	829.24	979.86	923.58	56.28	17.410		
5,800.00	5,724.51	5,807.09	5,724.51	27.76	31.01	-123.48	323.68	829.24	989.25	932.11	57.14	17.313		
5,900.00	5,823.05	5,905.63	5,823.05	28.24	31.35	-124.29	323.68	829.24	998.83	940.84	57.99	17.223		
6,000.00	5,921.59	6,004.17	5,921.59	28.73	31.69	-125.08	323.68	829.24	1,008.62	949.77	58.85	17.140		
6,100.00	6,020.13	6,102.71	6,020.13	29.22	32.04	-125.86	323.68	829.24	1,018.59	958.89	59.70	17.062		
6,200.00	6,118.67	6,201.25	6,118.67	29.70	32.39	-126.62	323.68	829.24	1,028.75	968.20	60.55	16.990		
6,300.00	6,217.21	6,300.21	6,217.21	30.19	32.74	-127.36	323.68	829.24	1,039.09	977.69	61.40	16.923		
6,400.00	6,315.75	6,401.67	6,315.75	30.68	33.10	-128.10	323.68	829.24	1,049.60	987.34	62.26	16.859		
6,500.00	6,414.29	6,504.32	6,421.73	31.16	33.46	-128.90	323.66	828.61	1,060.20	997.09	63.12	16.797		
6,582.51	6,495.60	6,610.03	6,526.47	31.57	33.73	-130.36	323.11	815.19	1,067.67	1,003.86	63.81	16.732		
6,600.00	6,512.86	6,631.30	6,547.18	31.65	33.77	-138.38	322.91	810.41	1,069.11	1,005.18	63.94	16.721		
6,650.00	6,562.39	6,690.57	6,603.95	31.88	33.86	-170.26	322.22	793.45	1,073.34	1,009.06	64.27	16.699		
6,700.00	6,611.96	6,747.69	6,656.94	32.08	33.93	155.43	321.36	772.19	1,077.71	1,013.14	64.57	16.691		
6,750.00	6,661.26	6,802.80	6,706.06	32.27	33.99	133.24	320.34	747.26	1,082.22	1,017.38	64.84	16.692		
6,800.00	6,709.99	6,856.06	6,751.31	32.44	34.04	120.49	319.20	719.21	1,086.86	1,021.77	65.09	16.698		
6,850.00	6,757.84	6,907.63	6,792.73	32.61	34.08	112.48	317.95	688.56	1,091.62	1,026.28	65.34	16.707		
6,900.00	6,804.53	6,957.63	6,830.41	32.77	34.14	106.89	316.61	655.73	1,096.46	1,030.87	65.59	16.718		
6,950.00	6,849.77	7,006.22	6,864.43	32.92	34.22	102.68	315.20	621.09	1,101.34	1,035.50	65.84	16.727		
7,000.00	6,893.27	7,053.51	6,894.92	33.07	34.31	99.31	313.73	584.98	1,106.24	1,040.13	66.11	16.733		
7,050.00	6,934.77	7,099.63	6,921.99	33.23	34.43	96.51	312.21	547.68	1,111.09	1,044.70	66.40	16.734		
7,100.00	6,974.01	7,144.69	6,945.76	33.39	34.58	94.12	310.65	509.45	1,115.87	1,049.16	66.71	16.727		
7,150.00	7,010.75	7,188.77	6,966.34	33.55	34.77	92.04	309.06	470.50	1,120.52	1,053.46	67.06	16.710		
7,200.00	7,044.77	7,231.98	6,983.85	33.72	35.00	90.21	307.45	431.04	1,124.99	1,057.54	67.44	16.680		
7,250.00	7,075.85	7,274.40	6,998.39	33.92	35.26	88.58	305.83	391.24	1,129.23	1,061.35	67.88	16.636		
7,300.00	7,103.80	7,316.09	7,010.07	34.13	35.55	87.13	304.20	351.25	1,133.20	1,064.83	68.36	16.576		
7,350.00	7,128.45	7,357.13	7,018.98	34.38	35.88	85.83	302.57	311.23	1,136.85	1,067.93	68.91	16.497		
7,400.00	7,149.65	7,397.58	7,025.23	34.67	36.24	84.69	300.94	271.31	1,140.13	1,070.61	69.52	16.399		
7,450.00	7,167.26	7,437.49	7,028.89	35.00	36.63	83.69	299.33	231.61	1,143.02	1,072.81	70.21	16.280		
7,500.00	7,181.19	7,476.92	7,030.05	35.38	37.04	82.82	297.72	192.24	1,145.47	1,074.51	70.96	16.142		
7,550.00	7,191.34	7,524.09	7,029.51	35.81	37.61	82.04	295.80	145.11	1,147.30	1,075.40	71.90	15.957		
7,600.00	7,197.65	7,573.59	7,028.89	36.28	38.24	81.55	293.79	95.65	1,148.18	1,075.20	72.98	15.733		
7,650.00	7,200.08	7,623.48	7,028.28	36.80	38.93	81.38	291.76	45.80	1,148.01	1,073.82	74.19	15.474		
7,667.87	7,200.00	7,641.35	7,028.06	36.99	39.21	81.40	291.03	27.95	1,147.69	1,073.03	74.66	15.372		
7,700.00	7,199.42	7,673.47	7,027.66	37.35	39.69	81.41	289.72	-4.14	1,147.00	1,071.47	75.53	15.185		
7,800.00	7,197.60	7,773.45	7,026.43	38.62	41.37	81.42	285.65	-104.02	1,144.84	1,066.33	78.51	14.582		
7,900.00	7,195.78	7,873.42	7,025.20	40.06	43.23	81.43	281.58	-203.91	1,142.68	1,060.84	81.84	13.963		
8,000.00	7,193.97	7,973.40	7,023.96	41.66	45.27	81.45	277.51	-303.80	1,140.52	1,055.05	85.47	13.344		
8,100.00	7,192.15	8,073.38	7,022.73	43.40	47.45	81.46	273.44	-403.68	1,138.36	1,048.99	89.37	12.737		
8,200.00	7,190.33	8,173.35	7,021.50	45.25	49.75	81.47	269.37	-503.57	1,136.20	1,042.69	93.51	12.150		
8,300.00	7,188.51	8,273.33	7,020.26	47.20	52.17	81.49	265.30	-603.45	1,134.04	1,036.18	97.86	11.589		
8,400.00	7,186.70	8,373.31	7,019.03	49.25	54.68	81.50	261.23	-703.34	1,131.88	1,029.50	102.38	11.055		
8,500.00	7,184.88	8,473.28	7,017.80	51.37	57.27	81.51	257.16	-803.22	1,129.72	1,022.66	107.07	10.552		
8,600.00	7,183.06	8,573.26	7,016.56	53.56	59.93	81.53	253.08	-903.11	1,127.57	1,015.68	111.89	10.078		
8,700.00	7,181.24	8,673.23	7,015.33	55.81	62.66	81.54	249.01	-1,003.00	1,125.41	1,008.58	116.83	9.633		
8,800.00	7,179.43	8,773.21	7,014.10	58.11	65.44	81.56	244.94	-1,102.88	1,123.25	1,001.37	121.88	9.216		
8,900.00	7,177.61	8,873.19	7,012.86	60.46	68.27	81.57	240.87	-1,202.77	1,121.09	994.07	127.02	8.826		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,175.79	8,973.16	7,011.63	62.85	71.14	81.58	236.80	-1,302.65	1,118.93	986.69	132.24	8.461		
9,100.00	7,173.98	9,073.14	7,010.40	65.28	74.05	81.60	232.73	-1,402.54	1,116.77	979.23	137.54	8.120		
9,200.00	7,172.16	9,173.12	7,009.16	67.74	76.99	81.61	228.66	-1,502.43	1,114.61	971.71	142.90	7.800		
9,300.00	7,170.34	9,273.09	7,007.93	70.23	79.96	81.62	224.59	-1,602.31	1,112.45	964.13	148.32	7.500		
9,400.00	7,168.52	9,373.07	7,006.69	72.74	82.95	81.64	220.52	-1,702.20	1,110.30	956.50	153.79	7.219		
9,500.00	7,166.71	9,473.05	7,005.46	75.28	85.97	81.65	216.45	-1,802.08	1,108.14	948.82	159.31	6.956		
9,600.00	7,164.89	9,573.02	7,004.23	77.84	89.02	81.67	212.38	-1,901.97	1,105.98	941.10	164.87	6.708		
9,700.00	7,163.07	9,673.00	7,002.99	80.43	92.08	81.68	208.31	-2,001.85	1,103.82	933.35	170.47	6.475		
9,800.00	7,161.26	9,772.97	7,001.76	83.02	95.15	81.70	204.24	-2,101.74	1,101.66	925.55	176.11	6.256		
9,900.00	7,159.44	9,872.95	7,000.53	85.64	98.25	81.71	200.17	-2,201.63	1,099.50	917.73	181.77	6.049		
10,000.00	7,157.62	9,972.93	6,999.29	88.27	101.35	81.72	196.10	-2,301.51	1,097.35	909.88	187.47	5.854		
10,100.00	7,155.80	10,072.90	6,998.06	90.91	104.47	81.74	192.03	-2,401.40	1,095.19	902.00	193.19	5.669		
10,200.00	7,153.99	10,172.88	6,996.83	93.56	107.60	81.75	187.96	-2,501.28	1,093.03	894.10	198.93	5.495		
10,300.00	7,152.17	10,272.86	6,995.59	96.23	110.75	81.77	183.89	-2,601.17	1,090.87	886.18	204.70	5.329		
10,400.00	7,150.35	10,372.83	6,994.36	98.90	113.90	81.78	179.81	-2,701.05	1,088.71	878.23	210.48	5.173		
10,500.00	7,148.54	10,472.81	6,993.13	101.59	117.06	81.80	175.74	-2,800.94	1,086.56	870.27	216.28	5.024		
10,600.00	7,146.72	10,572.78	6,991.89	104.28	120.23	81.81	171.67	-2,900.83	1,084.40	862.29	222.11	4.882		
10,700.00	7,144.90	10,672.76	6,990.66	106.98	123.40	81.83	167.60	-3,000.71	1,082.24	854.30	227.94	4.748		
10,800.00	7,143.08	10,772.74	6,989.43	109.69	126.59	81.84	163.53	-3,100.60	1,080.08	846.29	233.79	4.620		
10,900.00	7,141.27	10,872.71	6,988.19	112.41	129.78	81.86	159.46	-3,200.48	1,077.93	838.27	239.66	4.498		
11,000.00	7,139.45	10,972.69	6,986.96	115.13	132.98	81.87	155.39	-3,300.37	1,075.77	830.23	245.54	4.381		
11,100.00	7,137.63	11,072.67	6,985.73	117.86	136.18	81.89	151.32	-3,400.26	1,073.61	822.18	251.43	4.270		
11,200.00	7,135.82	11,172.64	6,984.49	120.59	139.39	81.90	147.25	-3,500.14	1,071.45	814.13	257.33	4.164		
11,300.00	7,134.00	11,272.62	6,983.26	123.33	142.60	81.92	143.18	-3,600.03	1,069.30	806.06	263.24	4.062		
11,400.00	7,132.18	11,372.60	6,982.03	126.07	145.82	81.93	139.11	-3,699.91	1,067.14	797.98	269.16	3.965		
11,500.00	7,130.36	11,472.57	6,980.79	128.82	149.04	81.95	135.04	-3,799.80	1,064.98	789.89	275.09	3.871		
11,600.00	7,128.55	11,572.55	6,979.56	131.57	152.27	81.96	130.97	-3,899.68	1,062.83	781.80	281.03	3.782		
11,700.00	7,126.73	11,672.52	6,978.33	134.33	155.50	81.98	126.90	-3,999.57	1,060.67	773.69	286.98	3.696		
11,800.00	7,124.91	11,772.50	6,977.09	137.09	158.73	81.99	122.83	-4,099.46	1,058.51	765.58	292.93	3.614		
11,900.00	7,123.10	11,872.48	6,975.86	139.85	161.97	82.01	118.76	-4,199.34	1,056.35	757.46	298.89	3.534		
12,000.00	7,121.28	11,972.45	6,974.63	142.62	165.21	82.02	114.69	-4,299.23	1,054.20	749.34	304.86	3.458		
12,100.00	7,119.46	12,072.43	6,973.39	145.39	168.45	82.04	110.61	-4,399.11	1,052.04	741.21	310.83	3.385		
12,200.00	7,117.64	12,172.41	6,972.16	148.16	171.69	82.05	106.54	-4,499.00	1,049.89	733.07	316.81	3.314		
12,300.00	7,115.83	12,272.38	6,970.93	150.94	174.94	82.07	102.47	-4,598.89	1,047.73	724.93	322.80	3.246		
12,400.00	7,114.01	12,372.36	6,969.69	153.72	178.19	82.09	98.40	-4,698.77	1,045.57	716.78	328.79	3.180		
12,500.00	7,112.19	12,472.34	6,968.46	156.50	181.45	82.10	94.33	-4,798.66	1,043.42	708.63	334.79	3.117		
12,600.00	7,110.37	12,572.31	6,967.23	159.28	184.70	82.12	90.26	-4,898.54	1,041.26	700.47	340.79	3.055		
12,700.00	7,108.56	12,672.29	6,965.99	162.07	187.96	82.13	86.19	-4,998.43	1,039.10	692.31	346.80	2.996		
12,800.00	7,106.74	12,772.26	6,964.76	164.86	191.22	82.15	82.12	-5,098.31	1,036.95	684.14	352.81	2.939		
12,900.00	7,104.92	12,872.24	6,963.53	167.65	194.48	82.17	78.05	-5,198.20	1,034.79	675.97	358.82	2.884		
13,000.00	7,103.11	12,972.22	6,962.29	170.44	197.74	82.18	73.98	-5,298.09	1,032.64	667.79	364.84	2.830		
13,100.00	7,101.29	13,072.19	6,961.06	173.23	201.01	82.20	69.91	-5,397.97	1,030.48	659.61	370.87	2.779		
13,200.00	7,099.47	13,172.17	6,959.83	176.03	204.27	82.21	65.84	-5,497.86	1,028.32	651.43	376.90	2.728		
13,300.00	7,097.65	13,272.15	6,958.59	178.82	207.54	82.23	61.77	-5,597.74	1,026.17	643.24	382.93	2.680		
13,400.00	7,095.84	13,372.12	6,957.36	181.62	210.81	82.25	57.70	-5,697.63	1,024.01	635.05	388.96	2.633		
13,500.00	7,094.02	13,472.10	6,956.13	184.42	214.08	82.26	53.63	-5,797.52	1,021.86	626.86	395.00	2.587		
13,600.00	7,092.20	13,572.07	6,954.89	187.22	217.35	82.28	49.56	-5,897.40	1,019.70	618.66	401.04	2.543		
13,700.00	7,090.39	13,672.05	6,953.66	190.03	220.63	82.30	45.49	-5,997.29	1,017.55	610.46	407.08	2.500		
13,800.00	7,088.57	13,772.03	6,952.43	192.83	223.90	82.31	41.42	-6,097.17	1,015.39	602.26	413.13	2.458		
13,900.00	7,086.75	13,872.00	6,951.19	195.64	227.18	82.33	37.34	-6,197.06	1,013.24	594.06	419.18	2.417		
14,000.00	7,084.93	13,971.98	6,949.96	198.44	230.46	82.35	33.27	-6,296.94	1,011.08	585.85	425.23	2.378		
14,100.00	7,083.12	14,071.96	6,948.73	201.25	233.73	82.36	29.20	-6,396.83	1,008.93	577.64	431.29	2.339		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,081.30	14,171.93	6,947.49	204.06	237.01	82.38	25.13	-6,496.72	1,006.77	569.43	437.35	2.302		
14,300.00	7,079.48	14,271.91	6,946.26	206.87	240.29	82.40	21.06	-6,596.60	1,004.62	561.21	443.41	2.266		
14,400.00	7,077.67	14,371.89	6,945.03	209.68	243.58	82.42	16.99	-6,696.49	1,002.46	552.99	449.47	2.230		
14,500.00	7,075.85	14,471.86	6,943.79	212.49	246.86	82.43	12.92	-6,796.37	1,000.31	544.78	455.53	2.196		
14,600.00	7,074.03	14,571.84	6,942.56	215.31	250.14	82.45	8.85	-6,896.26	998.15	536.55	461.60	2.162		
14,700.00	7,072.21	14,671.81	6,941.33	218.12	253.43	82.47	4.78	-6,996.15	996.00	528.33	467.67	2.130		
14,800.00	7,070.40	14,771.79	6,940.09	220.93	256.71	82.49	0.71	-7,096.03	993.85	520.10	473.74	2.098		
14,900.00	7,068.58	14,871.77	6,938.86	223.75	260.00	82.50	-3.36	-7,195.92	991.69	511.88	479.82	2.067		
15,000.00	7,066.76	14,971.74	6,937.63	226.57	263.28	82.52	-7.43	-7,295.80	989.54	503.65	485.89	2.037		
15,100.00	7,064.95	15,071.72	6,936.39	229.38	266.57	82.54	-11.50	-7,395.69	987.38	495.41	491.97	2.007		
15,200.00	7,063.13	15,171.70	6,935.16	232.20	269.86	82.56	-15.57	-7,495.57	985.23	487.18	498.05	1.978		
15,300.00	7,061.31	15,271.67	6,933.93	235.02	273.15	82.57	-19.64	-7,595.46	983.08	478.95	504.13	1.950		
15,400.00	7,059.49	15,371.65	6,932.69	237.84	276.44	82.59	-23.71	-7,695.35	980.92	470.71	510.21	1.923		
15,500.00	7,057.68	15,471.63	6,931.46	240.66	279.73	82.61	-27.78	-7,795.23	978.77	462.47	516.30	1.896		
15,600.00	7,055.86	15,571.60	6,930.23	243.48	283.02	82.63	-31.85	-7,895.12	976.61	454.23	522.38	1.870		
15,639.31	7,055.15	15,589.88	6,930.00	244.59	283.62	82.63	-32.60	-7,913.38	975.99	451.88	524.11	1.862		
15,647.29	7,055.00	15,589.88	6,930.00	244.81	283.62	82.63	-32.60	-7,913.38	976.03	451.75	524.28	1.862 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.32	14.94	1.39	15.00					
100.00	100.00	100.00	100.00	3.28	3.28	5.32	14.94	1.39	15.00	8.43	6.57	2.283		
200.00	200.00	200.00	200.00	3.34	3.34	5.32	14.94	1.39	15.00	8.33	6.67	2.248		
300.00	300.00	300.00	300.00	3.44	3.44	5.32	14.94	1.39	15.00	8.11	6.89	2.177 CC		
400.00	399.98	400.30	400.28	3.60	3.60	-130.24	13.81	2.73	15.14	7.94	7.20	2.104 ES		
500.00	499.84	500.60	500.43	3.79	3.79	-128.98	10.41	6.76	15.56	7.98	7.59	2.051		
600.00	599.45	600.89	600.34	4.03	4.03	-127.03	4.77	13.47	16.28	8.22	8.06	2.020		
700.00	698.70	701.17	699.86	4.30	4.30	-124.58	-3.13	22.84	17.32	8.71	8.61	2.012		
790.00	787.61	791.42	789.02	4.57	4.58	-122.12	-12.15	33.55	18.54	9.38	9.16	2.024		
800.00	797.47	801.40	798.85	4.60	4.61	-121.92	-13.22	34.83	18.70	9.48	9.22	2.028		
900.00	896.01	901.39	897.41	4.94	4.95	-119.97	-24.08	47.72	20.32	10.44	9.88	2.056		
1,000.00	994.55	1,001.37	995.97	5.30	5.31	-118.30	-34.93	60.61	21.96	11.37	10.60	2.073		
1,100.00	1,093.09	1,101.36	1,094.52	5.68	5.69	-116.87	-45.78	73.49	23.62	12.27	11.35	2.081		
1,200.00	1,191.63	1,201.34	1,193.08	6.08	6.09	-115.63	-56.63	86.38	25.29	13.16	12.13	2.084		
1,300.00	1,290.17	1,301.33	1,291.63	6.49	6.50	-114.54	-67.48	99.27	26.97	14.03	12.94	2.084		
1,400.00	1,388.71	1,401.31	1,390.19	6.91	6.92	-113.58	-78.33	112.15	28.66	14.88	13.77	2.081		
1,500.00	1,487.25	1,501.30	1,488.74	7.34	7.34	-112.73	-89.18	125.04	30.35	15.73	14.62	2.076		
1,600.00	1,585.79	1,601.28	1,587.30	7.77	7.78	-111.96	-100.03	137.92	32.05	16.57	15.49	2.070		
1,700.00	1,684.34	1,701.26	1,685.85	8.22	8.22	-111.28	-110.89	150.81	33.76	17.40	16.36	2.063		
1,800.00	1,782.88	1,801.25	1,784.41	8.66	8.67	-110.66	-121.74	163.70	35.47	18.22	17.25	2.056		
1,900.00	1,881.42	1,901.23	1,882.96	9.12	9.12	-110.09	-132.59	176.58	37.19	19.04	18.15	2.049		
2,000.00	1,979.96	2,001.22	1,981.52	9.57	9.57	-109.58	-143.44	189.47	38.91	19.86	19.05	2.042		
2,100.00	2,078.50	2,101.20	2,080.07	10.03	10.03	-109.11	-154.29	202.35	40.63	20.67	19.96	2.035		
2,200.00	2,177.04	2,201.19	2,178.63	10.49	10.49	-108.68	-165.14	215.24	42.35	21.47	20.88	2.028		
2,300.00	2,275.58	2,301.17	2,277.18	10.95	10.95	-108.28	-175.99	228.13	44.08	22.28	21.80	2.022		
2,400.00	2,374.12	2,401.16	2,375.74	11.42	11.42	-107.91	-186.84	241.01	45.80	23.08	22.73	2.015		
2,500.00	2,472.66	2,501.14	2,474.29	11.89	11.89	-107.57	-197.69	253.90	47.53	23.88	23.66	2.009		
2,600.00	2,571.20	2,601.13	2,572.85	12.36	12.35	-107.25	-208.55	266.78	49.27	24.67	24.59	2.003		
2,700.00	2,669.74	2,701.11	2,671.40	12.83	12.82	-106.96	-219.40	279.67	51.00	25.47	25.53	1.998		
2,800.00	2,768.28	2,801.10	2,769.96	13.30	13.30	-106.68	-230.25	292.56	52.73	26.26	26.47	1.992		
2,900.00	2,866.83	2,901.08	2,868.51	13.78	13.77	-106.42	-241.10	305.44	54.47	27.05	27.41	1.987		
3,000.00	2,965.37	3,001.07	2,967.07	14.25	14.24	-106.18	-251.95	318.33	56.20	27.85	28.36	1.982		
3,100.00	3,063.91	3,101.05	3,065.62	14.73	14.72	-105.95	-262.80	331.22	57.94	28.64	29.30	1.977		
3,200.00	3,162.45	3,201.03	3,164.18	15.20	15.19	-105.74	-273.65	344.10	59.68	29.43	30.25	1.973		
3,300.00	3,260.99	3,301.02	3,262.74	15.68	15.67	-105.54	-284.50	356.99	61.42	30.21	31.20	1.968		
3,400.00	3,359.53	3,401.00	3,361.29	16.16	16.15	-105.35	-295.35	369.87	63.16	31.00	32.15	1.964		
3,500.00	3,458.07	3,500.99	3,459.85	16.64	16.62	-105.16	-306.21	382.76	64.90	31.79	33.11	1.960		
3,600.00	3,556.61	3,600.97	3,558.40	17.12	17.10	-104.99	-317.06	395.65	66.64	32.57	34.06	1.956		
3,700.00	3,655.15	3,700.96	3,656.96	17.60	17.58	-104.83	-327.91	408.53	68.38	33.36	35.02	1.953		
3,800.00	3,753.69	3,800.94	3,755.51	18.08	18.06	-104.67	-338.76	421.42	70.12	34.14	35.97	1.949		
3,900.00	3,852.23	3,900.93	3,854.07	18.56	18.54	-104.53	-349.61	434.30	71.86	34.93	36.93	1.946		
4,000.00	3,950.77	4,000.91	3,952.62	19.04	19.02	-104.39	-360.46	447.19	73.60	35.71	37.89	1.943		
4,100.00	4,049.31	4,100.90	4,051.18	19.52	19.50	-104.25	-371.31	460.08	75.35	36.50	38.85	1.939		
4,200.00	4,147.86	4,200.88	4,149.73	20.00	19.98	-104.13	-382.16	472.96	77.09	37.28	39.81	1.936		
4,300.00	4,246.40	4,300.87	4,248.29	20.49	20.46	-104.00	-393.01	485.85	78.83	38.06	40.77	1.934		
4,400.00	4,344.94	4,400.85	4,346.84	20.97	20.95	-103.89	-403.87	498.74	80.58	38.85	41.73	1.931		
4,500.00	4,443.48	4,500.84	4,445.40	21.45	21.43	-103.77	-414.72	511.62	82.32	39.63	42.70	1.928		
4,600.00	4,542.02	4,600.82	4,543.95	21.94	21.91	-103.67	-425.57	524.51	84.07	40.41	43.66	1.926		
4,700.00	4,640.56	4,700.80	4,642.51	22.42	22.39	-103.56	-436.42	537.39	85.81	41.19	44.62	1.923		
4,800.00	4,739.10	4,800.79	4,741.06	22.91	22.88	-103.47	-447.27	550.28	87.56	41.97	45.59	1.921		
4,900.00	4,837.64	4,900.77	4,839.62	23.39	23.36	-103.37	-458.12	563.17	89.30	42.75	46.55	1.918		
5,000.00	4,936.18	5,000.76	4,938.17	23.87	23.84	-103.28	-468.97	576.05	91.05	43.53	47.52	1.916		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	5,100.74	5,036.73	24.36	24.33	-103.19	-479.82	588.94	92.80	44.31	48.48	1.914		
5,200.00	5,133.26	5,200.73	5,135.28	24.84	24.81	-103.11	-490.67	601.82	94.54	45.10	49.45	1.912		
5,300.00	5,231.80	5,300.71	5,233.84	25.33	25.30	-103.02	-501.53	614.71	96.29	45.88	50.41	1.910		
5,400.00	5,330.34	5,400.70	5,332.40	25.82	25.78	-102.95	-512.38	627.60	98.03	46.66	51.38	1.908		
5,500.00	5,428.89	5,500.68	5,430.95	26.30	26.26	-102.87	-523.23	640.48	99.78	47.44	52.35	1.906		
5,600.00	5,527.43	5,600.67	5,529.51	26.79	26.75	-102.80	-534.08	653.37	101.53	48.22	53.31	1.904		
5,700.00	5,625.97	5,700.65	5,628.06	27.27	27.23	-102.73	-544.93	666.26	103.28	48.99	54.28	1.903		
5,800.00	5,724.51	5,800.64	5,726.62	27.76	27.72	-102.66	-555.78	679.14	105.02	49.77	55.25	1.901		
5,900.00	5,823.05	5,900.62	5,825.17	28.24	28.20	-102.59	-566.63	692.03	106.77	50.55	56.22	1.899		
6,000.00	5,921.59	6,000.61	5,923.73	28.73	28.69	-102.53	-577.48	704.91	108.52	51.33	57.18	1.898		
6,100.00	6,020.13	6,100.59	6,022.28	29.22	29.17	-102.47	-588.33	717.80	110.27	52.11	58.15	1.896		
6,200.00	6,118.67	6,200.57	6,120.84	29.70	29.66	-102.40	-599.19	730.69	112.01	52.89	59.12	1.895		
6,300.00	6,217.21	6,307.53	6,226.59	30.19	30.16	-103.90	-610.95	740.75	111.83	51.86	59.97	1.865		
6,400.00	6,315.75	6,415.13	6,333.13	30.68	30.57	-113.29	-623.33	733.92	103.90	43.68	60.22	1.725		
6,500.00	6,414.29	6,513.72	6,428.43	31.16	30.90	-131.99	-634.91	711.90	95.65	35.18	60.47	1.582		
6,519.55	6,433.56	6,531.65	6,445.33	31.26	30.96	-136.52	-637.02	706.31	95.30	34.84	60.46	1.576		
6,582.51	6,495.60	6,586.12	6,495.63	31.57	31.14	-151.65	-643.39	686.43	99.78	40.02	59.75	1.670		
6,600.00	6,512.86	6,600.49	6,508.60	31.65	31.18	-163.43	-645.05	680.47	102.74	43.43	59.31	1.732		
6,650.00	6,562.39	6,640.77	6,544.19	31.88	31.31	155.22	-649.69	662.21	114.38	56.80	57.58	1.986		
6,700.00	6,611.96	6,680.00	6,577.68	32.08	31.44	113.45	-654.15	642.27	129.35	73.91	55.44	2.333		
6,750.00	6,661.26	6,718.33	6,609.15	32.27	31.57	85.64	-658.41	620.83	146.21	93.13	53.09	2.754		
6,800.00	6,709.99	6,755.85	6,638.66	32.44	31.70	68.74	-662.50	598.02	164.01	113.37	50.64	3.239		
6,850.00	6,757.84	6,792.67	6,666.26	32.61	31.83	57.72	-666.41	573.97	182.10	133.95	48.15	3.782		
6,900.00	6,804.53	6,828.88	6,691.99	32.77	31.97	49.98	-670.14	548.79	200.05	154.42	45.63	4.384		
6,950.00	6,849.77	6,864.53	6,715.91	32.92	32.12	44.25	-673.70	522.59	217.58	174.48	43.11	5.047		
7,000.00	6,893.27	6,900.00	6,738.21	33.07	32.27	39.85	-677.11	495.23	234.49	193.86	40.63	5.771		
7,050.00	6,934.77	6,934.45	6,758.38	33.23	32.44	36.40	-680.28	467.49	250.62	212.53	38.09	6.580		
7,100.00	6,974.01	6,968.82	6,776.99	33.39	32.62	33.62	-683.31	438.76	265.86	230.21	35.64	7.459		
7,150.00	7,010.75	7,000.00	6,792.51	33.55	32.80	31.42	-685.93	411.85	280.14	247.26	32.88	8.520		
7,200.00	7,044.77	7,036.60	6,809.03	33.72	33.03	29.50	-688.84	379.32	293.32	262.29	31.03	9.454		
7,250.00	7,075.85	7,070.09	6,822.50	33.92	33.26	27.96	-691.34	348.76	305.41	276.47	28.94	10.552		
7,300.00	7,103.80	7,100.00	6,833.15	34.13	33.48	26.74	-693.43	320.90	316.37	289.62	26.75	11.827		
7,350.00	7,128.45	7,136.45	6,844.36	34.38	33.78	25.64	-695.80	286.30	326.08	300.55	25.52	12.775		
7,400.00	7,149.65	7,169.36	6,852.77	34.67	34.07	24.78	-697.76	254.54	334.58	310.25	24.33	13.752		
7,450.00	7,167.26	7,200.00	6,859.13	35.00	34.35	24.10	-699.43	224.62	341.82	318.34	23.48	14.557		
7,500.00	7,181.19	7,234.81	6,864.60	35.38	34.70	23.53	-701.13	190.29	347.76	324.46	23.30	14.923		
7,550.00	7,191.34	7,267.39	6,868.02	35.81	35.04	23.11	-702.54	157.92	352.40	328.86	23.55	14.966		
7,600.00	7,197.65	7,300.00	6,869.79	36.28	35.40	22.81	-703.77	125.39	355.73	331.45	24.28	14.649		
7,650.00	7,200.08	7,334.91	6,869.89	36.80	35.80	22.62	-704.88	90.51	357.71	332.33	25.37	14.099		
7,667.87	7,200.00	7,352.77	6,869.64	36.99	36.02	22.58	-705.41	72.65	357.81	332.20	25.61	13.971		
7,700.00	7,199.42	7,384.90	6,869.18	37.35	36.42	22.54	-706.37	40.54	357.57	331.50	26.07	13.716		
7,800.00	7,197.60	7,484.90	6,867.76	38.62	37.80	22.42	-709.35	-59.40	356.83	329.19	27.64	12.911		
7,900.00	7,195.78	7,584.89	6,866.33	40.06	39.34	22.29	-712.33	-159.34	356.08	326.71	29.37	12.123		
8,000.00	7,193.97	7,684.88	6,864.91	41.66	41.03	22.17	-715.31	-259.28	355.34	324.09	31.25	11.372		
8,100.00	7,192.15	7,784.88	6,863.49	43.40	42.84	22.04	-718.29	-359.22	354.59	321.36	33.23	10.671		
8,200.00	7,190.33	7,884.87	6,862.06	45.25	44.77	21.91	-721.27	-459.16	353.85	318.55	35.30	10.024		
8,300.00	7,188.51	7,984.87	6,860.64	47.20	46.79	21.79	-724.25	-559.10	353.11	315.67	37.44	9.431		
8,400.00	7,186.70	8,084.86	6,859.21	49.25	48.89	21.66	-727.23	-659.04	352.38	312.74	39.64	8.889		
8,500.00	7,184.88	8,184.86	6,857.79	51.37	51.07	21.53	-730.21	-758.98	351.64	309.76	41.88	8.396		
8,600.00	7,183.06	8,284.85	6,856.36	53.56	53.31	21.40	-733.19	-858.92	350.91	306.75	44.15	7.947		
8,700.00	7,181.24	8,384.84	6,854.94	55.81	55.61	21.27	-736.17	-958.86	350.18	303.72	46.46	7.538		
8,800.00	7,179.43	8,484.84	6,853.52	58.11	57.95	21.14	-739.16	-1,058.80	349.45	300.67	48.78	7.164		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	8,584.83	6,852.09	60.46	60.34	21.01	-742.14	-1,158.74	348.72	297.61	51.11	6.823		
9,000.00	7,175.79	8,684.83	6,850.67	62.85	62.77	20.88	-745.12	-1,258.68	347.99	294.54	53.46	6.510		
9,100.00	7,173.98	8,784.82	6,849.24	65.28	65.23	20.75	-748.10	-1,358.62	347.27	291.46	55.81	6.223		
9,200.00	7,172.16	8,884.81	6,847.82	67.74	67.72	20.62	-751.08	-1,458.56	346.55	288.38	58.16	5.958		
9,300.00	7,170.34	8,984.81	6,846.39	70.23	70.24	20.48	-754.06	-1,558.50	345.83	285.31	60.52	5.714		
9,400.00	7,168.52	9,084.80	6,844.97	72.74	72.78	20.35	-757.04	-1,658.43	345.11	282.23	62.87	5.489		
9,500.00	7,166.71	9,184.80	6,843.55	75.28	75.34	20.21	-760.02	-1,758.37	344.39	279.16	65.23	5.280		
9,600.00	7,164.89	9,284.79	6,842.12	77.84	77.93	20.08	-763.00	-1,858.31	343.68	276.10	67.58	5.086		
9,700.00	7,163.07	9,384.79	6,840.70	80.43	80.53	19.95	-765.98	-1,958.25	342.96	273.05	69.92	4.905		
9,800.00	7,161.26	9,484.78	6,839.27	83.02	83.14	19.81	-768.96	-2,058.19	342.25	270.00	72.25	4.737		
9,900.00	7,159.44	9,584.77	6,837.85	85.64	85.78	19.67	-771.94	-2,158.13	341.54	266.96	74.58	4.580		
10,000.00	7,157.62	9,684.77	6,836.42	88.27	88.42	19.54	-774.93	-2,258.07	340.84	263.94	76.90	4.432		
10,100.00	7,155.80	9,784.76	6,835.00	90.91	91.08	19.40	-777.91	-2,358.01	340.13	260.92	79.21	4.294		
10,200.00	7,153.99	9,884.76	6,833.58	93.56	93.74	19.26	-780.89	-2,457.95	339.43	257.92	81.51	4.164		
10,300.00	7,152.17	9,984.75	6,832.15	96.23	96.42	19.12	-783.87	-2,557.89	338.73	254.93	83.79	4.042		
10,400.00	7,150.35	10,084.74	6,830.73	98.90	99.11	18.98	-786.85	-2,657.83	338.03	251.96	86.07	3.927		
10,500.00	7,148.54	10,184.74	6,829.30	101.59	101.81	18.84	-789.83	-2,757.77	337.33	248.99	88.33	3.819		
10,600.00	7,146.72	10,284.73	6,827.88	104.28	104.51	18.70	-792.81	-2,857.71	336.63	246.05	90.59	3.716		
10,700.00	7,144.90	10,384.73	6,826.46	106.98	107.22	18.56	-795.79	-2,957.65	335.94	243.11	92.83	3.619		
10,800.00	7,143.08	10,484.72	6,825.03	109.69	109.94	18.42	-798.77	-3,057.59	335.25	240.19	95.05	3.527		
10,900.00	7,141.27	10,584.72	6,823.61	112.41	112.66	18.28	-801.75	-3,157.53	334.56	237.29	97.27	3.440		
11,000.00	7,139.45	10,684.71	6,822.18	115.13	115.39	18.14	-804.73	-3,257.47	333.87	234.40	99.47	3.357		
11,100.00	7,137.63	10,784.70	6,820.76	117.86	118.13	17.99	-807.71	-3,357.41	333.19	231.53	101.65	3.278		
11,200.00	7,135.82	10,884.70	6,819.33	120.59	120.87	17.85	-810.70	-3,457.35	332.50	228.68	103.83	3.202		
11,300.00	7,134.00	10,984.69	6,817.91	123.33	123.61	17.70	-813.68	-3,557.29	331.82	225.84	105.99	3.131		
11,400.00	7,132.18	11,084.69	6,816.49	126.07	126.36	17.56	-816.66	-3,657.23	331.14	223.01	108.13	3.062		
11,500.00	7,130.36	11,184.68	6,815.06	128.82	129.11	17.41	-819.64	-3,757.17	330.47	220.21	110.26	2.997		
11,600.00	7,128.55	11,284.67	6,813.64	131.57	131.87	17.27	-822.62	-3,857.11	329.79	217.42	112.38	2.935		
11,700.00	7,126.73	11,384.67	6,812.21	134.33	134.63	17.12	-825.60	-3,957.05	329.12	214.64	114.48	2.875		
11,800.00	7,124.91	11,484.66	6,810.79	137.09	137.40	16.97	-828.58	-4,056.98	328.45	211.89	116.56	2.818		
11,900.00	7,123.10	11,583.04	6,809.39	139.85	140.12	16.90	-831.10	-4,155.32	327.91	209.06	118.84	2.759		
11,917.77	7,122.77	11,600.24	6,809.14	140.35	140.60	16.93	-831.27	-4,172.52	327.89	208.52	119.37	2.747		
12,000.00	7,121.28	11,680.93	6,807.99	142.62	142.84	17.27	-830.91	-4,253.20	328.17	205.82	122.35	2.682		
12,100.00	7,119.46	11,780.89	6,806.57	145.39	145.62	17.77	-830.02	-4,353.14	328.65	202.43	126.23	2.604		
12,200.00	7,117.64	11,880.85	6,805.15	148.16	148.41	18.27	-829.13	-4,453.09	329.17	198.98	130.18	2.528		
12,300.00	7,115.83	11,980.81	6,803.73	150.94	151.20	18.76	-828.24	-4,553.03	329.71	195.49	134.21	2.457		
12,400.00	7,114.01	12,080.77	6,802.30	153.72	153.99	19.25	-827.34	-4,652.98	330.27	191.95	138.32	2.388		
12,500.00	7,112.19	12,180.73	6,800.88	156.50	156.79	19.74	-826.45	-4,752.92	330.85	188.36	142.49	2.322		
12,600.00	7,110.37	12,280.68	6,799.46	159.28	159.58	20.23	-825.56	-4,852.86	331.46	184.73	146.74	2.259		
12,700.00	7,108.56	12,380.64	6,798.04	162.07	162.38	20.72	-824.67	-4,952.81	332.10	181.05	151.05	2.199		
12,800.00	7,106.74	12,480.60	6,796.61	164.86	165.18	21.21	-823.78	-5,052.75	332.76	177.32	155.44	2.141		
12,900.00	7,104.92	12,580.56	6,795.19	167.65	167.98	21.69	-822.89	-5,152.70	333.44	173.55	159.89	2.085		
13,000.00	7,103.11	12,680.52	6,793.77	170.44	170.79	22.17	-822.00	-5,252.64	334.15	169.74	164.41	2.032		
13,100.00	7,101.29	12,780.47	6,792.35	173.23	173.59	22.65	-821.11	-5,352.58	334.88	165.88	168.99	1.982		
13,200.00	7,099.47	12,880.43	6,790.92	176.03	176.40	23.13	-820.22	-5,452.53	335.63	161.99	173.64	1.933		
13,300.00	7,097.65	12,980.39	6,789.50	178.82	179.21	23.60	-819.33	-5,552.47	336.40	158.05	178.35	1.886		
13,400.00	7,095.84	13,080.35	6,788.08	181.62	182.02	24.08	-818.44	-5,652.42	337.20	154.07	183.13	1.841		
13,500.00	7,094.02	13,180.31	6,786.66	184.42	184.83	24.55	-817.55	-5,752.36	338.03	150.06	187.97	1.798		
13,600.00	7,092.20	13,280.26	6,785.23	187.22	187.64	25.02	-816.66	-5,852.30	338.87	146.01	192.86	1.757		
13,700.00	7,090.39	13,380.22	6,783.81	190.03	190.46	25.48	-815.77	-5,952.25	339.74	141.92	197.82	1.717		
13,800.00	7,088.57	13,480.18	6,782.39	192.83	193.27	25.94	-814.88	-6,052.19	340.63	137.79	202.83	1.679		
13,900.00	7,086.75	13,580.14	6,780.97	195.64	196.09	26.41	-813.99	-6,152.14	341.54	133.64	207.90	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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,084.93	13,680.10	6,779.55	198.44	198.91	26.86	-813.10	-6,252.08	342.47	129.45	213.03	1.608		
14,100.00	7,083.12	13,780.06	6,778.12	201.25	201.73	27.32	-812.21	-6,352.02	343.43	125.23	218.20	1.574		
14,200.00	7,081.30	13,880.01	6,776.70	204.06	204.55	27.77	-811.32	-6,451.97	344.41	120.97	223.43	1.541		
14,300.00	7,079.48	13,979.97	6,775.28	206.87	207.37	28.23	-810.43	-6,551.91	345.41	116.69	228.72	1.510		
14,400.00	7,077.67	14,079.93	6,773.86	209.68	210.19	28.67	-809.54	-6,651.86	346.43	112.38	234.05	1.480 Level 3		
14,500.00	7,075.85	14,179.89	6,772.43	212.49	213.01	29.12	-808.65	-6,751.80	347.47	108.04	239.43	1.451 Level 3		
14,600.00	7,074.03	14,279.85	6,771.01	215.31	215.84	29.56	-807.76	-6,851.74	348.53	103.67	244.86	1.423 Level 3		
14,700.00	7,072.21	14,379.80	6,769.59	218.12	218.66	30.00	-806.87	-6,951.69	349.61	99.28	250.33	1.397 Level 3		
14,800.00	7,070.40	14,479.76	6,768.17	220.93	221.49	30.44	-805.98	-7,051.63	350.72	94.87	255.85	1.371 Level 3		
14,900.00	7,068.58	14,579.72	6,766.74	223.75	224.31	30.88	-805.09	-7,151.58	351.84	90.43	261.41	1.346 Level 3		
15,000.00	7,066.76	14,679.68	6,765.32	226.57	227.14	31.31	-804.19	-7,251.52	352.98	85.97	267.02	1.322 Level 3		
15,100.00	7,064.95	14,779.64	6,763.90	229.38	229.97	31.74	-803.30	-7,351.47	354.15	81.48	272.66	1.299 Level 3		
15,200.00	7,063.13	14,879.59	6,762.48	232.20	232.79	32.16	-802.41	-7,451.41	355.33	76.98	278.35	1.277 Level 3		
15,300.00	7,061.31	14,979.55	6,761.05	235.02	235.62	32.59	-801.52	-7,551.35	356.53	72.46	284.08	1.255 Level 3		
15,400.00	7,059.49	15,079.51	6,759.63	237.84	238.45	33.01	-800.63	-7,651.30	357.76	67.92	289.84	1.234 Level 2		
15,500.00	7,057.68	15,179.47	6,758.21	240.66	241.28	33.42	-799.74	-7,751.24	359.00	63.36	295.64	1.214 Level 2		
15,600.00	7,055.86	15,279.43	6,756.79	243.48	244.11	33.84	-798.85	-7,851.19	360.26	58.78	301.48	1.195 Level 2		
15,647.29	7,055.00	15,326.70	6,756.11	244.81	245.45	34.03	-798.43	-7,898.45	360.86	56.61	304.25	1.186 Level 2, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-173.62	-14.94	-1.67	15.03					
100.00	100.00	100.00	100.00	3.28	3.28	-173.62	-14.94	-1.67	15.03	8.46	6.57	2.288		
200.00	200.00	200.00	200.00	3.34	3.34	-173.62	-14.94	-1.67	15.03	8.36	6.67	2.253 CC		
300.00	300.00	299.56	299.54	3.44	3.44	-177.49	-16.38	-0.72	16.41	9.52	6.89	2.381		
400.00	399.98	398.97	398.81	3.60	3.59	41.24	-20.71	2.13	19.51	12.30	7.21	2.705		
500.00	499.84	498.26	497.73	3.79	3.79	38.80	-27.90	6.86	23.06	15.43	7.63	3.024		
600.00	599.45	597.42	596.15	4.03	4.03	38.19	-37.93	13.47	26.96	18.84	8.12	3.319		
700.00	698.70	696.44	693.96	4.30	4.31	38.73	-50.77	21.93	31.19	22.50	8.69	3.589		
790.00	787.61	785.57	781.51	4.57	4.59	39.87	-64.73	31.12	35.25	26.01	9.24	3.814		
800.00	797.47	795.56	791.30	4.60	4.63	40.06	-66.38	32.21	35.68	26.38	9.30	3.835		
900.00	896.01	904.54	889.20	4.94	5.02	41.70	-82.98	43.14	40.03	30.05	9.98	4.011		
1,000.00	994.55	1,004.64	987.11	5.30	5.40	43.02	-99.57	54.07	44.41	33.73	10.68	4.158		
1,100.00	1,093.09	1,104.74	1,085.01	5.68	5.80	44.11	-116.16	64.99	48.81	37.39	11.42	4.275		
1,200.00	1,191.63	1,204.84	1,182.92	6.08	6.22	45.01	-132.75	75.92	53.22	41.03	12.18	4.368		
1,300.00	1,290.17	1,295.06	1,280.82	6.49	6.61	45.78	-149.34	86.85	57.64	44.70	12.94	4.455		
1,400.00	1,388.71	1,405.04	1,378.73	6.91	7.09	46.43	-165.93	97.77	62.07	48.28	13.80	4.500		
1,500.00	1,487.25	1,505.14	1,476.63	7.34	7.54	47.00	-182.52	108.70	66.51	51.88	14.63	4.546		
1,600.00	1,585.79	1,594.76	1,574.53	7.77	7.95	47.50	-199.11	119.63	70.95	55.52	15.43	4.597		
1,700.00	1,684.34	1,694.66	1,672.44	8.22	8.41	47.94	-215.70	130.55	75.40	59.11	16.29	4.628		
1,800.00	1,782.88	1,805.44	1,770.34	8.66	8.92	48.33	-232.29	141.48	79.85	62.64	17.21	4.639		
1,900.00	1,881.42	1,905.54	1,868.25	9.12	9.39	48.68	-248.88	152.41	84.31	66.22	18.09	4.659		
2,000.00	1,979.96	2,005.64	1,966.15	9.57	9.87	48.99	-265.47	163.34	88.77	69.78	18.98	4.676		
2,100.00	2,078.50	2,105.74	2,064.06	10.03	10.35	49.27	-282.06	174.26	93.23	73.35	19.88	4.689		
2,200.00	2,177.04	2,205.84	2,161.96	10.49	10.83	49.53	-298.65	185.19	97.69	76.91	20.78	4.700		
2,300.00	2,275.58	2,294.06	2,259.87	10.95	11.25	49.77	-315.24	196.12	102.16	80.52	21.64	4.721		
2,400.00	2,374.12	2,393.95	2,357.77	11.42	11.74	49.98	-331.83	207.04	106.62	84.07	22.55	4.729		
2,500.00	2,472.66	2,493.85	2,455.67	11.89	12.22	50.18	-348.42	217.97	111.09	87.63	23.46	4.734		
2,600.00	2,571.20	2,606.25	2,553.58	12.36	12.77	50.36	-365.01	228.90	115.56	91.12	24.44	4.728		
2,700.00	2,669.74	2,706.35	2,651.48	12.83	13.26	50.53	-381.60	239.82	120.03	94.66	25.36	4.732		
2,800.00	2,768.28	2,793.55	2,749.39	13.30	13.69	50.69	-398.19	250.75	124.50	98.27	26.23	4.746		
2,900.00	2,866.83	2,906.55	2,847.29	13.78	14.24	50.84	-414.78	261.68	128.97	101.75	27.22	4.738		
3,000.00	2,965.37	3,006.65	2,945.20	14.25	14.74	50.97	-431.37	272.60	133.45	105.29	28.15	4.740		
3,100.00	3,063.91	3,106.75	3,043.10	14.73	15.23	51.10	-447.96	283.53	137.92	108.83	29.08	4.742		
3,200.00	3,162.45	3,193.15	3,141.00	15.20	15.66	51.22	-464.55	294.46	142.39	112.44	29.96	4.753		
3,300.00	3,260.99	3,306.95	3,238.91	15.68	16.22	51.33	-481.14	305.38	146.87	115.91	30.96	4.744		
3,400.00	3,359.53	3,407.05	3,336.81	16.16	16.72	51.44	-497.73	316.31	151.34	119.45	31.90	4.745		
3,500.00	3,458.07	3,492.85	3,434.72	16.64	17.15	51.54	-514.33	327.24	155.82	123.05	32.77	4.755		
3,600.00	3,556.61	3,592.75	3,532.62	17.12	17.64	51.63	-530.92	338.17	160.29	126.59	33.71	4.755		
3,700.00	3,655.15	3,692.65	3,630.53	17.60	18.14	51.72	-547.51	349.09	164.77	130.12	34.65	4.755		
3,800.00	3,753.69	3,792.55	3,728.43	18.08	18.64	51.80	-564.10	360.02	169.25	133.65	35.59	4.755		
3,900.00	3,852.23	3,892.45	3,826.33	18.56	19.14	51.88	-580.69	370.95	173.72	137.19	36.54	4.755		
4,000.00	3,950.77	4,007.65	3,924.24	19.04	19.71	51.96	-597.28	381.87	178.20	140.65	37.55	4.745		
4,100.00	4,049.31	4,107.76	4,022.14	19.52	20.21	52.03	-613.87	392.80	182.68	144.18	38.50	4.745		
4,200.00	4,147.86	4,192.14	4,120.05	20.00	20.64	52.10	-630.46	403.73	187.16	147.78	39.37	4.753		
4,300.00	4,246.40	4,307.96	4,217.95	20.49	21.21	52.17	-647.05	414.65	191.64	151.24	40.40	4.744		
4,400.00	4,344.94	4,408.06	4,315.86	20.97	21.72	52.23	-663.64	425.58	196.11	154.77	41.34	4.743		
4,500.00	4,443.48	4,508.16	4,413.76	21.45	22.22	52.29	-680.23	436.51	200.59	158.30	42.29	4.743		
4,600.00	4,542.02	4,608.26	4,511.67	21.94	22.72	52.35	-696.82	447.43	205.07	161.83	43.24	4.742		
4,700.00	4,640.56	4,708.36	4,609.57	22.42	23.22	52.40	-713.41	458.36	209.55	165.36	44.19	4.742		
4,800.00	4,739.10	4,808.46	4,707.47	22.91	23.72	52.45	-730.00	469.29	214.03	168.88	45.15	4.741		
4,900.00	4,837.64	4,891.44	4,805.38	23.39	24.14	52.50	-746.59	480.21	218.51	172.49	46.02	4.749		
5,000.00	4,936.18	5,008.66	4,903.28	23.87	24.73	52.55	-763.18	491.14	222.99	175.94	47.05	4.739		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	5,108.76	5,001.19	24.36	25.23	52.60	-779.77	502.07	227.47	179.47	48.00	4.739		
5,200.00	5,133.26	5,208.86	5,099.09	24.84	25.74	52.64	-796.36	513.00	231.95	182.99	48.96	4.738		
5,300.00	5,231.80	5,291.04	5,197.00	25.33	26.15	52.68	-812.95	523.92	236.43	186.61	49.82	4.745		
5,400.00	5,330.34	5,409.06	5,294.90	25.82	26.74	52.73	-829.54	534.85	240.91	190.05	50.86	4.736		
5,500.00	5,428.89	5,490.84	5,392.80	26.30	27.16	52.77	-846.13	545.78	245.39	193.66	51.73	4.744		
5,600.00	5,527.43	5,609.26	5,490.71	26.79	27.75	52.80	-862.72	556.70	249.87	197.10	52.77	4.735		
5,700.00	5,625.97	5,709.36	5,588.61	27.27	28.26	52.84	-879.31	567.63	254.35	200.62	53.73	4.734		
5,800.00	5,724.51	5,790.54	5,686.52	27.76	28.66	52.88	-895.90	578.56	258.83	204.24	54.59	4.741		
5,900.00	5,823.05	5,909.57	5,784.42	28.24	29.26	52.91	-912.49	589.48	263.31	207.67	55.64	4.733		
6,000.00	5,921.59	6,009.67	5,882.33	28.73	29.77	52.94	-929.08	600.41	267.79	211.20	56.59	4.732		
6,100.00	6,020.13	6,090.23	5,980.23	29.22	30.17	52.98	-945.68	611.34	272.27	214.82	57.46	4.739		
6,200.00	6,118.67	6,209.87	6,078.13	29.70	30.78	53.01	-962.27	622.26	276.76	218.25	58.51	4.730		
6,300.00	6,217.21	6,309.97	6,176.04	30.19	31.28	53.04	-978.86	633.19	281.24	221.77	59.46	4.730		
6,400.00	6,315.75	6,389.93	6,273.94	30.68	31.69	53.07	-995.45	644.12	285.72	225.40	60.32	4.737		
6,500.00	6,414.29	6,489.83	6,371.85	31.16	32.19	53.10	-1,012.04	655.04	290.20	228.92	61.28	4.736		
6,582.51	6,495.60	6,567.85	6,448.45	31.57	32.57	53.45	-1,025.07	661.85	294.28	232.26	62.02	4.745		
6,600.00	6,512.86	6,583.74	6,464.10	31.65	32.65	46.25	-1,027.76	662.22	295.33	233.16	62.17	4.750		
6,650.00	6,562.39	6,629.01	6,508.68	31.88	32.84	16.69	-1,035.49	661.09	298.33	235.77	62.56	4.769		
6,700.00	6,611.96	6,674.07	6,552.85	32.08	33.02	-15.39	-1,043.24	656.79	301.30	238.42	62.88	4.792		
6,750.00	6,661.26	6,718.94	6,596.41	32.27	33.19	-35.42	-1,050.97	649.36	304.22	241.06	63.15	4.817		
6,800.00	6,709.99	6,763.65	6,639.18	32.44	33.34	-46.13	-1,058.65	638.89	307.05	243.67	63.39	4.844		
6,850.00	6,757.84	6,808.22	6,680.98	32.61	33.48	-52.21	-1,066.25	625.43	309.79	246.20	63.59	4.872		
6,900.00	6,804.53	6,852.68	6,721.63	32.77	33.62	-55.97	-1,073.74	609.08	312.39	248.62	63.77	4.899		
6,950.00	6,849.77	6,897.05	6,760.97	32.92	33.74	-58.47	-1,081.08	589.93	314.84	250.90	63.94	4.924		
7,000.00	6,893.27	6,941.37	6,798.83	33.07	33.86	-60.26	-1,088.24	568.07	317.13	253.02	64.11	4.947		
7,050.00	6,934.77	6,985.64	6,835.07	33.23	33.98	-61.60	-1,095.20	543.61	319.23	254.95	64.29	4.966		
7,100.00	6,974.01	7,029.91	6,869.51	33.39	34.09	-62.67	-1,101.92	516.65	321.14	256.65	64.49	4.980		
7,150.00	7,010.75	7,074.18	6,902.03	33.55	34.21	-63.57	-1,108.37	487.31	322.85	258.12	64.73	4.987		
7,200.00	7,044.77	7,118.50	6,932.47	33.72	34.32	-64.36	-1,114.53	455.71	324.35	259.32	65.03	4.988		
7,250.00	7,075.85	7,162.88	6,960.70	33.92	34.44	-65.08	-1,120.37	421.99	325.63	260.23	65.39	4.980		
7,300.00	7,103.80	7,207.34	6,986.58	34.13	34.57	-65.77	-1,125.86	386.26	326.69	260.86	65.83	4.962		
7,350.00	7,128.45	7,251.91	7,009.99	34.38	34.70	-66.45	-1,130.97	348.69	327.53	261.17	66.36	4.935		
7,400.00	7,149.65	7,296.62	7,030.79	34.67	34.86	-67.13	-1,135.69	309.41	328.16	261.16	67.00	4.898		
7,450.00	7,167.26	7,341.48	7,048.89	35.00	35.05	-67.81	-1,139.98	268.59	328.58	260.84	67.74	4.851		
7,500.00	7,181.19	7,386.53	7,064.15	35.38	35.27	-68.52	-1,143.82	226.39	328.79	260.21	68.58	4.794		
7,550.00	7,191.34	7,431.79	7,076.48	35.81	35.53	-69.24	-1,147.19	182.98	328.81	259.27	69.53	4.729		
7,600.00	7,197.65	7,477.28	7,085.77	36.28	35.84	-69.99	-1,150.07	138.56	328.64	258.06	70.58	4.656		
7,650.00	7,200.08	7,523.03	7,091.93	36.80	36.20	-70.76	-1,152.43	93.30	328.30	256.57	71.72	4.577		
7,667.87	7,200.00	7,539.44	7,093.36	36.99	36.34	-71.04	-1,153.14	76.96	328.14	255.99	72.15	4.548		
7,700.00	7,199.42	7,569.10	7,094.89	37.35	36.62	-71.41	-1,154.25	47.36	327.95	255.04	72.92	4.498		
7,708.10	7,199.27	7,576.60	7,095.06	37.45	36.69	-71.47	-1,154.50	39.87	327.95	254.83	73.11	4.485		
7,800.00	7,197.60	7,666.59	7,093.62	38.62	37.66	-71.53	-1,156.82	-50.08	328.41	253.03	75.38	4.357		
7,900.00	7,195.78	7,766.59	7,091.52	40.06	38.95	-71.51	-1,159.32	-150.02	328.99	250.85	78.14	4.210		
8,000.00	7,193.97	7,866.59	7,089.41	41.66	40.42	-71.49	-1,161.81	-249.97	329.58	248.40	81.17	4.060		
8,100.00	7,192.15	7,966.59	7,087.30	43.40	42.05	-71.47	-1,164.31	-349.91	330.16	245.72	84.44	3.910		
8,200.00	7,190.33	8,066.59	7,085.19	45.25	43.81	-71.45	-1,166.80	-449.85	330.75	242.82	87.93	3.762		
8,300.00	7,188.51	8,166.58	7,083.08	47.20	45.69	-71.44	-1,169.30	-549.80	331.33	239.73	91.60	3.617		
8,400.00	7,186.70	8,266.58	7,080.97	49.25	47.66	-71.42	-1,171.79	-649.74	331.92	236.48	95.44	3.478		
8,500.00	7,184.88	8,366.58	7,078.86	51.37	49.73	-71.40	-1,174.29	-749.69	332.50	233.08	99.42	3.344		
8,600.00	7,183.06	8,466.58	7,076.76	53.56	51.87	-71.38	-1,176.78	-849.63	333.09	229.55	103.54	3.217		
8,700.00	7,181.24	8,566.58	7,074.65	55.81	54.08	-71.36	-1,179.28	-949.58	333.67	225.91	107.77	3.096		
8,800.00	7,179.43	8,666.58	7,072.54	58.11	56.34	-71.34	-1,181.77	-1,049.52	334.26	222.16	112.10	2.982		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	8,766.57	7,070.43	60.46	58.66	-71.32	-1,184.27	-1,149.47	334.84	218.32	116.52	2.874		
9,000.00	7,175.79	8,866.57	7,068.32	62.85	61.02	-71.30	-1,186.76	-1,249.41	335.43	214.41	121.02	2.772		
9,100.00	7,173.98	8,966.57	7,066.21	65.28	63.42	-71.28	-1,189.26	-1,349.36	336.01	210.42	125.59	2.675		
9,200.00	7,172.16	9,066.57	7,064.11	67.74	65.86	-71.27	-1,191.75	-1,449.30	336.60	206.37	130.23	2.585		
9,300.00	7,170.34	9,166.57	7,062.00	70.23	68.33	-71.25	-1,194.25	-1,549.25	337.18	202.26	134.92	2.499		
9,400.00	7,168.52	9,266.56	7,059.89	72.74	70.82	-71.23	-1,196.74	-1,649.19	337.77	198.10	139.67	2.418		
9,500.00	7,166.71	9,366.56	7,057.78	75.28	73.35	-71.21	-1,199.24	-1,749.14	338.35	193.90	144.46	2.342		
9,600.00	7,164.89	9,466.56	7,055.67	77.84	75.89	-71.19	-1,201.73	-1,849.08	338.94	189.65	149.29	2.270		
9,700.00	7,163.07	9,566.56	7,053.56	80.43	78.46	-71.17	-1,204.23	-1,949.03	339.52	185.36	154.16	2.202		
9,800.00	7,161.26	9,666.56	7,051.46	83.02	81.04	-71.16	-1,206.72	-2,048.97	340.11	181.04	159.06	2.138		
9,900.00	7,159.44	9,766.56	7,049.35	85.64	83.65	-71.14	-1,209.22	-2,148.92	340.69	176.70	164.00	2.077		
10,000.00	7,157.62	9,866.55	7,047.24	88.27	86.26	-71.12	-1,211.71	-2,248.86	341.28	172.32	168.96	2.020		
10,100.00	7,155.80	9,966.55	7,045.13	90.91	88.89	-71.10	-1,214.21	-2,348.81	341.87	167.92	173.95	1.965		
10,200.00	7,153.99	10,066.55	7,043.02	93.56	91.54	-71.08	-1,216.70	-2,448.75	342.45	163.49	178.96	1.914		
10,300.00	7,152.17	10,166.55	7,040.91	96.23	94.20	-71.07	-1,219.20	-2,548.70	343.04	159.04	183.99	1.864		
10,400.00	7,150.35	10,266.55	7,038.81	98.90	96.86	-71.05	-1,221.69	-2,648.64	343.62	154.58	189.05	1.818		
10,500.00	7,148.54	10,366.55	7,036.70	101.59	99.54	-71.03	-1,224.19	-2,748.59	344.21	150.09	194.12	1.773		
10,600.00	7,146.72	10,466.54	7,034.59	104.28	102.23	-71.01	-1,226.68	-2,848.53	344.79	145.59	199.20	1.731		
10,700.00	7,144.90	10,566.54	7,032.48	106.98	104.92	-70.99	-1,229.18	-2,948.48	345.38	141.07	204.31	1.691		
10,800.00	7,143.08	10,666.54	7,030.37	109.69	107.62	-70.98	-1,231.68	-3,048.42	345.97	136.54	209.42	1.652		
10,900.00	7,141.27	10,766.54	7,028.26	112.41	110.33	-70.96	-1,234.17	-3,148.37	346.55	132.00	214.55	1.615		
11,000.00	7,139.45	10,866.54	7,026.16	115.13	113.05	-70.94	-1,236.67	-3,248.31	347.14	127.45	219.69	1.580		
11,100.00	7,137.63	10,966.53	7,024.05	117.86	115.77	-70.92	-1,239.16	-3,348.26	347.72	122.88	224.84	1.547		
11,200.00	7,135.82	11,066.53	7,021.94	120.59	118.50	-70.91	-1,241.66	-3,448.20	348.31	118.30	230.01	1.514		
11,300.00	7,134.00	11,166.53	7,019.83	123.33	121.23	-70.89	-1,244.15	-3,548.15	348.90	113.72	235.18	1.484 Level 3		
11,400.00	7,132.18	11,266.53	7,017.72	126.07	123.97	-70.87	-1,246.65	-3,648.09	349.48	109.12	240.36	1.454 Level 3		
11,500.00	7,130.36	11,366.53	7,015.61	128.82	126.71	-70.85	-1,249.14	-3,748.04	350.07	104.52	245.55	1.426 Level 3		
11,600.00	7,128.55	11,466.53	7,013.51	131.57	129.46	-70.84	-1,251.64	-3,847.98	350.65	99.91	250.74	1.398 Level 3		
11,700.00	7,126.73	11,566.52	7,011.40	134.33	132.21	-70.82	-1,254.13	-3,947.92	351.24	95.29	255.95	1.372 Level 3		
11,800.00	7,124.91	11,666.52	7,009.29	137.09	134.97	-70.80	-1,256.63	-4,047.87	351.83	90.67	261.16	1.347 Level 3		
11,900.00	7,123.10	11,766.52	7,007.18	139.85	137.73	-70.79	-1,259.12	-4,147.81	352.41	86.04	266.37	1.323 Level 3		
12,000.00	7,121.28	11,866.52	7,005.07	142.62	140.49	-70.77	-1,261.62	-4,247.76	353.00	81.40	271.59	1.300 Level 3		
12,100.00	7,119.46	11,966.52	7,002.96	145.39	143.26	-70.75	-1,264.11	-4,347.70	353.58	76.76	276.82	1.277 Level 3		
12,200.00	7,117.64	12,066.52	7,000.86	148.16	146.03	-70.74	-1,266.61	-4,447.65	354.17	72.12	282.05	1.256 Level 3		
12,300.00	7,115.83	12,166.51	6,998.75	150.94	148.80	-70.72	-1,269.10	-4,547.59	354.76	67.47	287.29	1.235 Level 2		
12,400.00	7,114.01	12,266.51	6,996.64	153.72	151.58	-70.70	-1,271.60	-4,647.54	355.34	62.81	292.53	1.215 Level 2		
12,500.00	7,112.19	12,366.51	6,994.53	156.50	154.35	-70.69	-1,274.09	-4,747.48	355.93	58.15	297.78	1.195 Level 2		
12,600.00	7,110.37	12,466.51	6,992.42	159.28	157.13	-70.67	-1,276.59	-4,847.43	356.51	53.49	303.03	1.177 Level 2		
12,700.00	7,108.56	12,566.51	6,990.31	162.07	159.92	-70.65	-1,279.08	-4,947.37	357.10	48.82	308.28	1.158 Level 2		
12,800.00	7,106.74	12,666.50	6,988.21	164.86	162.70	-70.64	-1,281.58	-5,047.32	357.69	44.15	313.54	1.141 Level 2		
12,900.00	7,104.92	12,766.50	6,986.10	167.65	165.49	-70.62	-1,284.07	-5,147.26	358.27	39.48	318.80	1.124 Level 2		
13,000.00	7,103.11	12,866.50	6,983.99	170.44	168.28	-70.60	-1,286.57	-5,247.21	358.86	34.80	324.06	1.107 Level 2		
13,100.00	7,101.29	12,966.50	6,981.88	173.23	171.07	-70.59	-1,289.06	-5,347.15	359.45	30.12	329.33	1.091 Level 2		
13,200.00	7,099.47	13,066.50	6,979.77	176.03	173.86	-70.57	-1,291.56	-5,447.10	360.03	25.44	334.59	1.076 Level 2		
13,300.00	7,097.65	13,166.50	6,977.66	178.82	176.65	-70.55	-1,294.05	-5,547.04	360.62	20.75	339.87	1.061 Level 2		
13,400.00	7,095.84	13,266.49	6,975.56	181.62	179.45	-70.54	-1,296.55	-5,646.99	361.21	16.07	345.14	1.047 Level 2		
13,500.00	7,094.02	13,366.49	6,973.45	184.42	182.24	-70.52	-1,299.04	-5,746.93	361.79	11.38	350.41	1.032 Level 2		
13,600.00	7,092.20	13,466.49	6,971.34	187.22	185.04	-70.51	-1,301.54	-5,846.88	362.38	6.69	355.69	1.019 Level 2		
13,700.00	7,090.39	13,566.49	6,969.23	190.03	187.84	-70.49	-1,304.03	-5,946.82	362.97	1.99	360.97	1.006 Level 2		
13,800.00	7,088.57	13,666.49	6,967.12	192.83	190.64	-70.47	-1,306.53	-6,046.77	363.55	-2.70	366.25	0.993 Level 1		
13,900.00	7,086.75	13,766.49	6,965.01	195.64	193.45	-70.46	-1,309.02	-6,146.71	364.14	-7.40	371.54	0.980 Level 1		
14,000.00	7,084.93	13,866.48	6,962.90	198.44	196.25	-70.44	-1,311.52	-6,246.66	364.73	-12.09	376.82	0.968 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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,083.12	13,966.48	6,960.80	201.25	199.06	-70.43	-1,314.01	-6,346.60	365.31	-16.79	382.11	0.956	Level 1	
14,200.00	7,081.30	14,066.48	6,958.69	204.06	201.86	-70.41	-1,316.51	-6,446.55	365.90	-21.49	387.39	0.945	Level 1	
14,300.00	7,079.48	14,166.48	6,956.58	206.87	204.67	-70.40	-1,319.00	-6,546.49	366.49	-26.20	392.68	0.933	Level 1	
14,400.00	7,077.67	14,266.48	6,954.47	209.68	207.48	-70.38	-1,321.50	-6,646.44	367.07	-30.90	397.97	0.922	Level 1	
14,500.00	7,075.85	14,366.47	6,952.36	212.49	210.29	-70.36	-1,323.99	-6,746.38	367.66	-35.60	403.26	0.912	Level 1	
14,600.00	7,074.03	14,466.47	6,950.25	215.31	213.10	-70.35	-1,326.49	-6,846.33	368.25	-40.31	408.56	0.901	Level 1	
14,700.00	7,072.21	14,566.47	6,948.15	218.12	215.91	-70.33	-1,328.99	-6,946.27	368.83	-45.01	413.85	0.891	Level 1	
14,800.00	7,070.40	14,666.47	6,946.04	220.93	218.72	-70.32	-1,331.48	-7,046.22	369.42	-49.72	419.14	0.881	Level 1	
14,900.00	7,068.58	14,766.47	6,943.93	223.75	221.53	-70.30	-1,333.98	-7,146.16	370.01	-54.43	424.44	0.872	Level 1	
15,000.00	7,066.76	14,866.47	6,941.82	226.57	224.35	-70.29	-1,336.47	-7,246.11	370.60	-59.14	429.73	0.862	Level 1	
15,100.00	7,064.95	14,966.46	6,939.71	229.38	227.16	-70.27	-1,338.97	-7,346.05	371.18	-63.85	435.03	0.853	Level 1	
15,200.00	7,063.13	15,066.46	6,937.60	232.20	229.98	-70.26	-1,341.46	-7,446.00	371.77	-68.56	440.33	0.844	Level 1	
15,300.00	7,061.31	15,166.46	6,935.50	235.02	232.80	-70.24	-1,343.96	-7,545.94	372.36	-73.27	445.63	0.836	Level 1	
15,400.00	7,059.49	15,266.46	6,933.39	237.84	235.61	-70.23	-1,346.45	-7,645.88	372.94	-77.98	450.93	0.827	Level 1	
15,500.00	7,057.68	15,366.46	6,931.28	240.66	238.43	-70.21	-1,348.95	-7,745.83	373.53	-82.69	456.22	0.819	Level 1	
15,600.00	7,055.86	15,466.45	6,929.17	243.48	241.25	-70.20	-1,351.44	-7,845.77	374.12	-87.41	461.52	0.811	Level 1	
15,647.29	7,055.00	15,513.75	6,928.17	244.81	242.58	-70.19	-1,352.62	-7,893.04	374.40	-89.63	464.03	0.807	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-99.44	-733.30	-4,411.82	4,472.35					
100.00	100.00	110.00	110.00	3.28	3.89	-99.44	-733.30	-4,411.82	4,472.35	4,465.17	7.18	623.198		
200.00	200.00	210.00	210.00	3.34	6.48	-99.44	-733.30	-4,411.82	4,472.35	4,462.53	9.81	455.689		
300.00	300.00	310.00	310.00	3.44	9.65	-99.44	-733.30	-4,411.82	4,472.35	4,459.25	13.10	341.505		
400.00	399.98	409.98	409.98	3.60	12.99	124.57	-733.30	-4,411.82	4,473.34	4,456.75	16.58	269.731		
500.00	499.84	509.84	509.84	3.79	16.38	124.57	-733.30	-4,411.82	4,476.31	4,456.14	20.17	221.897		
600.00	599.45	609.45	609.45	4.03	19.80	124.58	-733.30	-4,411.82	4,481.27	4,457.44	23.83	188.081		
700.00	698.70	708.70	708.70	4.30	23.23	124.59	-733.30	-4,411.82	4,488.22	4,460.70	27.52	163.077		
790.00	787.61	802.39	797.61	4.57	26.47	124.61	-733.30	-4,411.82	4,496.20	4,465.16	31.04	144.861		
800.00	797.47	807.47	807.47	4.60	26.65	124.62	-733.30	-4,411.82	4,497.17	4,465.92	31.25	143.922		
900.00	896.01	906.01	906.01	4.94	30.06	124.80	-733.30	-4,411.82	4,506.96	4,471.96	35.00	128.784		
1,000.00	994.55	1,004.55	1,004.55	5.30	33.48	124.98	-733.30	-4,411.82	4,516.79	4,478.02	38.77	116.493		
1,100.00	1,093.09	1,103.09	1,103.09	5.68	36.91	125.15	-733.30	-4,411.82	4,526.67	4,484.10	42.57	106.330		
1,200.00	1,191.63	1,201.63	1,201.63	6.08	40.34	125.33	-733.30	-4,411.82	4,536.58	4,490.20	46.39	97.795		
1,300.00	1,290.17	1,300.17	1,300.17	6.49	43.77	125.50	-733.30	-4,411.82	4,546.54	4,496.32	50.22	90.533		
1,400.00	1,388.71	1,401.29	1,398.71	6.91	47.29	125.67	-733.30	-4,411.82	4,556.54	4,502.39	54.15	84.144		
1,500.00	1,487.25	1,502.75	1,497.25	7.34	50.82	125.84	-733.30	-4,411.82	4,566.59	4,508.48	58.11	78.591		
1,600.00	1,585.79	1,604.21	1,595.79	7.77	54.36	126.01	-733.30	-4,411.82	4,576.67	4,514.60	62.07	73.737		
1,700.00	1,684.34	1,705.66	1,694.34	8.22	57.89	126.18	-733.30	-4,411.82	4,586.80	4,520.76	66.04	69.459		
1,800.00	1,782.88	1,807.12	1,792.88	8.66	61.43	126.35	-733.30	-4,411.82	4,596.96	4,526.95	70.01	65.661		
1,900.00	1,881.42	1,908.58	1,891.42	9.12	64.97	126.52	-733.30	-4,411.82	4,607.17	4,533.18	73.99	62.268		
2,000.00	1,979.96	1,989.96	1,989.96	9.57	67.80	126.69	-733.30	-4,411.82	4,617.41	4,540.14	77.27	59.755		
2,100.00	2,078.50	2,088.50	2,088.50	10.03	71.24	126.86	-733.30	-4,411.82	4,627.70	4,546.54	81.16	57.021		
2,200.00	2,177.04	2,187.04	2,187.04	10.49	74.68	127.03	-733.30	-4,411.82	4,638.02	4,552.98	85.05	54.536		
2,300.00	2,275.58	2,285.58	2,285.58	10.95	78.11	127.19	-733.30	-4,411.82	4,648.39	4,559.45	88.94	52.267		
2,400.00	2,374.12	2,384.12	2,384.12	11.42	81.55	127.36	-733.30	-4,411.82	4,658.79	4,565.97	92.83	50.187		
2,500.00	2,472.66	2,482.66	2,482.66	11.89	84.99	127.52	-733.30	-4,411.82	4,669.24	4,572.51	96.72	48.274		
2,600.00	2,571.20	2,581.20	2,581.20	12.36	88.43	127.68	-733.30	-4,411.82	4,679.72	4,579.10	100.62	46.509		
2,700.00	2,669.74	2,679.74	2,679.74	12.83	91.86	127.85	-733.30	-4,411.82	4,690.24	4,585.72	104.52	44.875		
2,800.00	2,768.28	2,778.28	2,778.28	13.30	95.30	128.01	-733.30	-4,411.82	4,700.80	4,592.38	108.42	43.359		
2,900.00	2,866.83	2,876.83	2,876.83	13.78	98.74	128.17	-733.30	-4,411.82	4,711.39	4,599.08	112.32	41.947		
3,000.00	2,965.37	2,975.37	2,975.37	14.25	102.18	128.33	-733.30	-4,411.82	4,722.03	4,605.81	116.22	40.630		
3,100.00	3,063.91	3,073.91	3,073.91	14.73	105.62	128.49	-733.30	-4,411.82	4,732.70	4,612.58	120.12	39.399		
3,200.00	3,162.45	3,172.45	3,172.45	15.20	109.05	128.65	-733.30	-4,411.82	4,743.40	4,619.38	124.02	38.246		
3,300.00	3,260.99	3,270.99	3,270.99	15.68	112.49	128.81	-733.30	-4,411.82	4,754.15	4,626.22	127.93	37.162		
3,400.00	3,359.53	3,369.53	3,369.53	16.16	115.93	128.97	-733.30	-4,411.82	4,764.93	4,633.10	131.83	36.143		
3,500.00	3,458.07	3,468.07	3,468.07	16.64	119.37	129.13	-733.30	-4,411.82	4,775.75	4,640.01	135.74	35.183		
3,600.00	3,556.61	3,566.61	3,566.61	17.12	122.81	129.28	-733.30	-4,411.82	4,786.60	4,646.96	139.65	34.277		
3,700.00	3,655.15	3,665.15	3,665.15	17.60	126.25	129.44	-733.30	-4,411.82	4,797.49	4,653.94	143.55	33.420		
3,800.00	3,753.69	3,763.69	3,763.69	18.08	129.69	129.59	-733.30	-4,411.82	4,808.42	4,660.96	147.46	32.609		
3,900.00	3,852.23	3,862.23	3,862.23	18.56	133.13	129.75	-733.30	-4,411.82	4,819.38	4,668.01	151.37	31.839		
4,000.00	3,950.77	3,960.77	3,960.77	19.04	136.56	129.90	-733.30	-4,411.82	4,830.37	4,675.10	155.27	31.109		
4,100.00	4,049.31	4,059.31	4,059.31	19.52	140.00	130.06	-733.30	-4,411.82	4,841.40	4,682.22	159.18	30.414		
4,200.00	4,147.86	4,157.86	4,157.86	20.00	143.44	130.21	-733.30	-4,411.82	4,852.47	4,689.38	163.09	29.753		
4,300.00	4,246.40	4,256.40	4,256.40	20.49	146.88	130.36	-733.30	-4,411.82	4,863.57	4,696.57	167.00	29.124		
4,400.00	4,344.94	4,354.94	4,354.94	20.97	150.32	130.51	-733.30	-4,411.82	4,874.70	4,703.79	170.91	28.523		
4,500.00	4,443.48	4,453.48	4,453.48	21.45	153.76	130.66	-733.30	-4,411.82	4,885.87	4,711.05	174.82	27.949		
4,600.00	4,542.02	4,552.02	4,552.02	21.94	157.20	130.81	-733.30	-4,411.82	4,897.07	4,718.35	178.72	27.400		
4,700.00	4,640.56	4,650.56	4,650.56	22.42	160.64	130.96	-733.30	-4,411.82	4,908.30	4,725.67	182.63	26.875		
4,800.00	4,739.10	4,749.10	4,749.10	22.91	164.08	131.11	-733.30	-4,411.82	4,919.57	4,733.03	186.54	26.372		
4,900.00	4,837.64	4,847.64	4,847.64	23.39	167.52	131.26	-733.30	-4,411.82	4,930.87	4,740.42	190.45	25.890		
5,000.00	4,936.18	4,946.18	4,946.18	23.87	170.96	131.40	-733.30	-4,411.82	4,942.21	4,747.85	194.36	25.428		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	5,044.72	5,044.72	24.36	174.40	131.55	-733.30	-4,411.82	4,953.57	4,755.30	198.27	24.984		
5,200.00	5,133.26	5,143.26	5,143.26	24.84	177.84	131.70	-733.30	-4,411.82	4,964.97	4,762.79	202.18	24.557		
5,300.00	5,231.80	5,241.80	5,241.80	25.33	181.28	131.84	-733.30	-4,411.82	4,976.40	4,770.31	206.09	24.147		
5,400.00	5,330.34	5,340.34	5,340.34	25.82	184.72	131.99	-733.30	-4,411.82	4,987.87	4,777.86	210.00	23.752		
5,500.00	5,428.89	5,438.89	5,438.89	26.30	188.15	132.13	-733.30	-4,411.82	4,999.36	4,785.45	213.91	23.371		
5,600.00	5,527.43	5,537.43	5,537.43	26.79	191.59	132.27	-733.30	-4,411.82	5,010.89	4,793.06	217.82	23.005		
5,700.00	5,625.97	5,635.97	5,635.97	27.27	195.03	132.42	-733.30	-4,411.82	5,022.44	4,800.71	221.73	22.651		
5,800.00	5,724.51	5,734.51	5,734.51	27.76	198.47	132.56	-733.30	-4,411.82	5,034.03	4,808.39	225.64	22.310		
5,900.00	5,823.05	5,833.05	5,833.05	28.24	201.91	132.70	-733.30	-4,411.82	5,045.65	4,816.10	229.55	21.981		
6,000.00	5,921.59	5,931.59	5,931.59	28.73	205.35	132.84	-733.30	-4,411.82	5,057.30	4,823.84	233.46	21.662		
6,100.00	6,020.13	6,030.13	6,030.13	29.22	208.79	132.98	-733.30	-4,411.82	5,068.98	4,831.61	237.37	21.355		
6,200.00	6,118.67	6,128.67	6,128.67	29.70	212.23	133.12	-733.30	-4,411.82	5,080.69	4,839.41	241.28	21.057		
6,300.00	6,217.21	6,227.21	6,227.21	30.19	215.67	133.26	-733.30	-4,411.82	5,092.43	4,847.24	245.19	20.769		
6,400.00	6,315.75	6,325.75	6,325.75	30.68	219.11	133.40	-733.30	-4,411.82	5,104.20	4,855.10	249.10	20.490		
6,500.00	6,414.29	6,424.29	6,424.29	31.16	222.55	133.53	-733.30	-4,411.82	5,116.00	4,862.99	253.01	20.220		
6,582.51	6,495.60	6,505.60	6,505.60	31.57	225.39	133.65	-733.30	-4,411.82	5,125.75	4,869.52	256.24	20.004		
6,600.00	6,512.86	6,522.86	6,522.86	31.65	225.99	126.15	-733.30	-4,411.82	5,127.59	4,870.67	256.92	19.958		
6,650.00	6,562.39	6,572.39	6,572.39	31.88	227.72	95.81	-733.30	-4,411.82	5,130.19	4,871.31	258.87	19.817		
6,700.00	6,611.96	6,621.96	6,621.96	32.08	229.45	63.04	-733.30	-4,411.82	5,128.87	4,868.06	260.81	19.665		
6,750.00	6,661.26	6,671.26	6,671.26	32.27	231.17	42.41	-733.30	-4,411.82	5,123.65	4,860.93	262.72	19.502		
6,800.00	6,709.99	6,719.99	6,719.99	32.44	232.87	31.20	-733.30	-4,411.82	5,114.56	4,849.97	264.59	19.330		
6,850.00	6,757.84	6,767.84	6,767.84	32.61	234.54	24.72	-733.30	-4,411.82	5,101.64	4,835.23	266.41	19.150		
6,900.00	6,804.53	6,814.53	6,814.53	32.77	236.17	20.66	-733.30	-4,411.82	5,084.98	4,816.81	268.17	18.961		
6,950.00	6,849.77	6,859.77	6,859.77	32.92	237.75	17.96	-733.30	-4,411.82	5,064.69	4,794.82	269.87	18.767		
7,000.00	6,893.27	6,903.27	6,903.27	33.07	239.27	16.08	-733.30	-4,411.82	5,040.89	4,769.39	271.50	18.567		
7,050.00	6,934.77	6,944.77	6,944.77	33.23	240.72	14.77	-733.30	-4,411.82	5,013.72	4,740.68	273.04	18.363		
7,100.00	6,974.01	6,984.01	6,984.01	33.39	242.09	13.84	-733.30	-4,411.82	4,983.36	4,708.87	274.48	18.155		
7,150.00	7,010.75	7,020.75	7,020.75	33.55	243.37	13.22	-733.30	-4,411.82	4,949.98	4,674.15	275.83	17.946		
7,200.00	7,044.77	7,054.77	7,054.77	33.72	244.56	12.86	-733.30	-4,411.82	4,913.79	4,636.72	277.07	17.735		
7,250.00	7,075.85	7,085.85	7,085.85	33.92	245.64	12.72	-733.30	-4,411.82	4,875.02	4,596.83	278.20	17.524		
7,300.00	7,103.80	7,113.80	7,113.80	34.13	246.62	12.82	-733.30	-4,411.82	4,833.91	4,554.71	279.20	17.313		
7,350.00	7,128.45	7,138.45	7,138.45	34.38	247.48	13.20	-733.30	-4,411.82	4,790.70	4,510.62	280.08	17.104		
7,400.00	7,149.65	7,159.65	7,159.65	34.67	248.22	13.94	-733.30	-4,411.82	4,745.67	4,464.83	280.84	16.898		
7,450.00	7,167.26	7,177.26	7,177.26	35.00	248.83	15.23	-733.30	-4,411.82	4,699.08	4,417.62	281.46	16.695		
7,500.00	7,181.19	7,208.81	7,191.19	35.38	249.94	17.50	-733.30	-4,411.82	4,651.23	4,368.66	282.57	16.461		
7,550.00	7,191.34	7,201.34	7,201.34	35.81	249.68	21.94	-733.30	-4,411.82	4,602.40	4,320.09	282.31	16.303		
7,600.00	7,197.65	7,207.65	7,207.65	36.28	249.90	33.06	-733.30	-4,411.82	4,552.91	4,270.38	282.53	16.115		
7,650.00	7,200.08	7,210.08	7,210.08	36.80	249.98	78.51	-733.30	-4,411.82	4,503.05	4,220.43	282.62	15.933		
7,667.87	7,200.00	7,210.00	7,210.00	36.99	249.98	112.34	-733.30	-4,411.82	4,485.20	4,202.58	282.62	15.870		
7,700.00	7,199.42	7,209.42	7,209.42	37.35	249.96	112.19	-733.30	-4,411.82	4,453.11	4,170.51	282.60	15.758		
7,800.00	7,197.60	7,207.60	7,207.60	38.62	249.89	111.74	-733.30	-4,411.82	4,353.22	4,070.68	282.55	15.407		
7,900.00	7,195.78	7,205.78	7,205.78	40.06	249.83	111.29	-733.30	-4,411.82	4,253.35	3,970.85	282.49	15.056		
8,000.00	7,193.97	7,203.97	7,203.97	41.66	249.77	110.83	-733.30	-4,411.82	4,153.47	3,871.03	282.44	14.706		
8,100.00	7,192.15	7,202.15	7,202.15	43.40	249.70	110.37	-733.30	-4,411.82	4,053.61	3,771.21	282.40	14.354		
8,200.00	7,190.33	7,200.33	7,200.33	45.25	249.64	109.91	-733.30	-4,411.82	3,953.75	3,671.40	282.35	14.003		
8,300.00	7,188.51	7,201.49	7,198.51	47.20	249.68	109.44	-733.30	-4,411.82	3,853.89	3,571.48	282.41	13.646		
8,400.00	7,186.70	7,203.30	7,196.70	49.25	249.74	108.97	-733.30	-4,411.82	3,754.04	3,471.55	282.50	13.289		
8,500.00	7,184.88	7,205.12	7,194.88	51.37	249.81	108.50	-733.30	-4,411.82	3,654.20	3,371.62	282.59	12.931		
8,600.00	7,183.06	7,206.94	7,193.06	53.56	249.87	108.03	-733.30	-4,411.82	3,554.37	3,271.69	282.68	12.574		
8,700.00	7,181.24	7,208.76	7,191.24	55.81	249.93	107.55	-733.30	-4,411.82	3,454.55	3,171.77	282.78	12.216		
8,800.00	7,179.43	7,189.43	7,189.43	58.11	249.26	107.07	-733.30	-4,411.82	3,354.73	3,072.59	282.14	11.890		
8,900.00	7,177.61	7,187.61	7,187.61	60.46	249.20	106.59	-733.30	-4,411.82	3,254.93	2,972.81	282.12	11.537		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	7,185.79	7,185.79	62.85	249.13	106.11	-733.30	-4,411.82	3,155.14	2,873.04	282.10	11.184		
9,100.00	7,173.98	7,183.98	7,183.98	65.28	249.07	105.62	-733.30	-4,411.82	3,055.36	2,773.27	282.09	10.831		
9,200.00	7,172.16	7,182.16	7,182.16	67.74	249.01	105.13	-733.30	-4,411.82	2,955.59	2,673.51	282.09	10.478		
9,300.00	7,170.34	7,180.34	7,180.34	70.23	248.94	104.64	-733.30	-4,411.82	2,855.84	2,573.76	282.09	10.124		
9,400.00	7,168.52	7,178.52	7,178.52	72.74	248.88	104.15	-733.30	-4,411.82	2,756.11	2,474.01	282.10	9.770		
9,500.00	7,166.71	7,176.71	7,176.71	75.28	248.82	103.65	-733.30	-4,411.82	2,656.39	2,374.28	282.11	9.416		
9,600.00	7,164.89	7,174.89	7,174.89	77.84	248.75	103.16	-733.30	-4,411.82	2,556.70	2,274.56	282.14	9.062		
9,700.00	7,163.07	7,173.07	7,173.07	80.43	248.69	102.66	-733.30	-4,411.82	2,457.03	2,174.85	282.18	8.707		
9,800.00	7,161.26	7,171.26	7,171.26	83.02	248.63	102.16	-733.30	-4,411.82	2,357.39	2,075.15	282.24	8.352		
9,900.00	7,159.44	7,169.44	7,169.44	85.64	248.56	101.65	-733.30	-4,411.82	2,257.77	1,975.46	282.31	7.998		
10,000.00	7,157.62	7,167.62	7,167.62	88.27	248.50	101.15	-733.30	-4,411.82	2,158.19	1,875.79	282.40	7.642		
10,100.00	7,155.80	7,165.80	7,165.80	90.91	248.43	100.64	-733.30	-4,411.82	2,058.65	1,776.14	282.52	7.287		
10,200.00	7,153.99	7,163.99	7,163.99	93.56	248.37	100.13	-733.30	-4,411.82	1,959.16	1,676.50	282.66	6.931		
10,300.00	7,152.17	7,162.17	7,162.17	96.23	248.31	99.62	-733.30	-4,411.82	1,859.71	1,576.87	282.84	6.575		
10,400.00	7,150.35	7,160.35	7,160.35	98.90	248.24	99.11	-733.30	-4,411.82	1,760.33	1,477.27	283.06	6.219		
10,500.00	7,148.54	7,158.54	7,158.54	101.59	248.18	98.60	-733.30	-4,411.82	1,661.02	1,377.69	283.33	5.862		
10,600.00	7,146.72	7,156.72	7,156.72	104.28	248.12	98.09	-733.30	-4,411.82	1,561.80	1,278.12	283.68	5.506		
10,700.00	7,144.90	7,154.90	7,154.90	106.98	248.05	97.57	-733.30	-4,411.82	1,462.68	1,178.57	284.11	5.148		
10,800.00	7,143.08	7,153.08	7,153.08	109.69	247.99	97.05	-733.30	-4,411.82	1,363.68	1,079.04	284.64	4.791		
10,900.00	7,141.27	7,151.27	7,151.27	112.41	247.93	96.54	-733.30	-4,411.82	1,264.84	979.52	285.33	4.433		
11,000.00	7,139.45	7,149.45	7,149.45	115.13	247.86	96.02	-733.30	-4,411.82	1,166.20	880.00	286.20	4.075		
11,100.00	7,137.63	7,147.63	7,147.63	117.86	247.80	95.50	-733.30	-4,411.82	1,067.80	780.48	287.32	3.716		
11,200.00	7,135.82	7,145.82	7,145.82	120.59	247.74	94.98	-733.30	-4,411.82	969.74	680.94	288.80	3.358		
11,300.00	7,134.00	7,144.00	7,144.00	123.33	247.67	94.45	-733.30	-4,411.82	872.10	581.34	290.76	2.999		
11,400.00	7,132.18	7,142.18	7,142.18	126.07	247.61	93.93	-733.30	-4,411.82	775.07	481.65	293.42	2.641		
11,500.00	7,130.36	7,140.36	7,140.36	128.82	247.55	93.41	-733.30	-4,411.82	678.89	381.79	297.09	2.285		
11,600.00	7,128.55	7,138.55	7,138.55	131.57	247.48	92.88	-733.30	-4,411.82	583.99	281.69	302.30	1.932		
11,700.00	7,126.73	7,136.73	7,136.73	134.33	247.42	92.36	-733.30	-4,411.82	491.11	181.24	309.87	1.585		
11,800.00	7,124.91	7,134.91	7,134.91	137.09	247.36	91.84	-733.30	-4,411.82	401.66	80.48	321.18	1.251 Level 3		
11,900.00	7,123.10	7,133.10	7,133.10	139.85	247.29	91.31	-733.30	-4,411.82	318.53	-19.79	338.32	0.942 Level 1		
12,000.00	7,121.28	7,131.28	7,131.28	142.62	247.23	90.78	-733.30	-4,411.82	248.17	-114.82	362.99	0.684 Level 1		
12,100.00	7,119.46	7,129.46	7,129.46	145.39	247.17	90.26	-733.30	-4,411.82	204.23	-184.27	388.50	0.526 Level 1		
12,149.43	7,118.56	7,128.56	7,128.56	146.76	247.13	90.00	-733.30	-4,411.82	198.16	-195.74	393.90	0.503 Level 1, CC, ES, SF		
12,200.00	7,117.64	7,127.64	7,127.64	148.16	247.10	89.73	-733.30	-4,411.82	204.51	-186.38	390.88	0.523 Level 1		
12,300.00	7,115.83	7,125.83	7,125.83	150.94	247.04	89.21	-733.30	-4,411.82	248.86	-120.05	368.90	0.675 Level 1		
12,400.00	7,114.01	7,124.01	7,124.01	153.72	246.98	88.68	-733.30	-4,411.82	319.42	-26.49	345.92	0.923 Level 1		
12,500.00	7,112.19	7,122.19	7,122.19	156.50	246.91	88.16	-733.30	-4,411.82	402.65	73.29	329.36	1.223 Level 2		
12,600.00	7,110.37	7,120.37	7,120.37	159.28	246.85	87.63	-733.30	-4,411.82	492.15	174.05	318.10	1.547		
12,700.00	7,108.56	7,118.56	7,118.56	162.07	246.79	87.11	-733.30	-4,411.82	585.06	274.73	310.33	1.885		
12,800.00	7,106.74	7,116.74	7,116.74	164.86	246.72	86.59	-733.30	-4,411.82	679.98	375.19	304.79	2.231		
12,900.00	7,104.92	7,114.92	7,114.92	167.65	246.66	86.06	-733.30	-4,411.82	776.17	475.44	300.73	2.581		
13,000.00	7,103.11	7,113.11	7,113.11	170.44	246.60	85.54	-733.30	-4,411.82	873.21	575.54	297.67	2.933		
13,100.00	7,101.29	7,111.29	7,111.29	173.23	246.53	85.02	-733.30	-4,411.82	970.85	675.54	295.31	3.288		
13,200.00	7,099.47	7,109.47	7,109.47	176.03	246.47	84.50	-733.30	-4,411.82	1,068.92	775.47	293.45	3.643		
13,300.00	7,097.65	7,107.65	7,107.65	178.82	246.41	83.98	-733.30	-4,411.82	1,167.32	875.36	291.96	3.998		
13,400.00	7,095.84	7,105.84	7,105.84	181.62	246.34	83.46	-733.30	-4,411.82	1,265.97	975.22	290.75	4.354		
13,500.00	7,094.02	7,104.02	7,104.02	184.42	246.28	82.94	-733.30	-4,411.82	1,364.81	1,075.06	289.75	4.710		
13,600.00	7,092.20	7,102.20	7,102.20	187.22	246.21	82.42	-733.30	-4,411.82	1,463.81	1,174.90	288.91	5.067		
13,700.00	7,090.39	7,100.39	7,100.39	190.03	246.15	81.91	-733.30	-4,411.82	1,562.93	1,274.72	288.20	5.423		
13,800.00	7,088.57	7,101.43	7,098.57	192.83	246.19	81.39	-733.30	-4,411.82	1,662.15	1,374.45	287.70	5.777		
13,900.00	7,086.75	7,103.25	7,096.75	195.64	246.25	80.88	-733.30	-4,411.82	1,761.46	1,474.15	287.32	6.131		
14,000.00	7,084.93	7,105.07	7,094.93	198.44	246.31	80.37	-733.30	-4,411.82	1,860.85	1,573.85	287.00	6.484		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - FRAKER #1 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,100.00	7,083.12	7,106.88	7,093.12	201.25	246.38	79.86	-733.30	-4,411.82	1,960.29	1,673.55	286.74	6.837	
14,200.00	7,081.30	7,108.70	7,091.30	204.06	246.44	79.35	-733.30	-4,411.82	2,059.79	1,773.26	286.52	7.189	
14,300.00	7,079.48	7,089.48	7,089.48	206.87	245.77	78.85	-733.30	-4,411.82	2,159.33	1,873.71	285.62	7.560	
14,400.00	7,077.67	7,087.67	7,087.67	209.68	245.71	78.34	-733.30	-4,411.82	2,258.91	1,973.56	285.35	7.916	
14,500.00	7,075.85	7,085.85	7,085.85	212.49	245.64	77.84	-733.30	-4,411.82	2,358.52	2,073.41	285.12	8.272	
14,600.00	7,074.03	7,084.03	7,084.03	215.31	245.58	77.34	-733.30	-4,411.82	2,458.17	2,173.26	284.91	8.628	
14,700.00	7,072.21	7,082.21	7,082.21	218.12	245.52	76.84	-733.30	-4,411.82	2,557.84	2,273.12	284.72	8.984	
14,800.00	7,070.40	7,080.40	7,080.40	220.93	245.45	76.34	-733.30	-4,411.82	2,657.53	2,372.98	284.55	9.339	
14,900.00	7,068.58	7,078.58	7,078.58	223.75	245.39	75.85	-733.30	-4,411.82	2,757.25	2,472.85	284.40	9.695	
15,000.00	7,066.76	7,076.76	7,076.76	226.57	245.33	75.35	-733.30	-4,411.82	2,856.98	2,572.72	284.26	10.050	
15,100.00	7,064.95	7,074.95	7,074.95	229.38	245.26	74.86	-733.30	-4,411.82	2,956.73	2,672.59	284.14	10.406	
15,200.00	7,063.13	7,073.13	7,073.13	232.20	245.20	74.37	-733.30	-4,411.82	3,056.50	2,772.46	284.03	10.761	
15,300.00	7,061.31	7,071.31	7,071.31	235.02	245.14	73.89	-733.30	-4,411.82	3,156.28	2,872.34	283.93	11.116	
15,400.00	7,059.49	7,069.49	7,069.49	237.84	245.07	73.40	-733.30	-4,411.82	3,256.07	2,972.23	283.84	11.471	
15,500.00	7,057.68	7,067.68	7,067.68	240.66	245.01	72.92	-733.30	-4,411.82	3,355.87	3,072.11	283.76	11.826	
15,600.00	7,055.86	7,065.86	7,065.86	243.48	244.95	72.44	-733.30	-4,411.82	3,455.69	3,172.00	283.69	12.181	
15,647.29	7,055.00	7,065.00	7,065.00	244.81	244.92	72.22	-733.30	-4,411.82	3,502.89	3,219.24	283.65	12.349	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-84.03	443.36	-4,241.80	4,265.05					
100.00	100.00	66.00	66.00	3.28	1.15	-84.03	443.36	-4,241.80	4,264.91	4,260.47	4.44	961.257		
200.00	200.00	166.00	166.00	3.34	4.05	-84.03	443.36	-4,241.80	4,264.91	4,257.53	7.39	577.385		
300.00	300.00	266.00	266.00	3.44	7.54	-84.03	443.36	-4,241.80	4,264.91	4,253.93	10.99	388.232		
400.00	399.98	365.98	365.98	3.60	11.03	139.96	443.36	-4,241.80	4,266.25	4,251.62	14.63	291.658		
500.00	499.84	465.84	465.84	3.79	14.52	139.96	443.36	-4,241.80	4,270.26	4,251.95	18.31	233.271		
600.00	599.45	565.45	565.45	4.03	17.99	139.95	443.36	-4,241.80	4,276.94	4,254.92	22.02	194.249		
700.00	698.70	664.70	664.70	4.30	21.46	139.93	443.36	-4,241.80	4,286.30	4,260.54	25.75	166.432		
790.00	787.61	753.61	753.61	4.57	24.56	139.91	443.36	-4,241.80	4,297.00	4,267.87	29.13	147.508		
800.00	797.47	763.47	763.47	4.60	24.91	139.93	443.36	-4,241.80	4,298.31	4,268.81	29.51	145.663		
900.00	896.01	862.01	862.01	4.94	28.35	140.07	443.36	-4,241.80	4,311.43	4,278.16	33.27	129.571		
1,000.00	994.55	960.55	960.55	5.30	31.79	140.21	443.36	-4,241.80	4,324.58	4,287.51	37.06	116.681		
1,100.00	1,093.09	1,059.09	1,059.09	5.68	35.23	140.36	443.36	-4,241.80	4,337.75	4,296.88	40.87	106.135		
1,200.00	1,191.63	1,157.63	1,157.63	6.08	38.67	140.50	443.36	-4,241.80	4,350.94	4,306.25	44.69	97.355		
1,300.00	1,290.17	1,256.17	1,256.17	6.49	42.11	140.64	443.36	-4,241.80	4,364.17	4,315.64	48.52	89.937		
1,400.00	1,388.71	1,354.71	1,354.71	6.91	45.55	140.78	443.36	-4,241.80	4,377.42	4,325.05	52.37	83.589		
1,500.00	1,487.25	1,453.25	1,453.25	7.34	48.99	140.92	443.36	-4,241.80	4,390.70	4,334.48	56.22	78.098		
1,600.00	1,585.79	1,551.79	1,551.79	7.77	52.43	141.06	443.36	-4,241.80	4,404.00	4,343.92	60.08	73.303		
1,700.00	1,684.34	1,650.34	1,650.34	8.22	55.87	141.20	443.36	-4,241.80	4,417.33	4,353.38	63.94	69.082		
1,800.00	1,782.88	1,748.88	1,748.88	8.66	59.31	141.33	443.36	-4,241.80	4,430.68	4,362.87	67.81	65.337		
1,900.00	1,881.42	1,847.42	1,847.42	9.12	62.75	141.47	443.36	-4,241.80	4,444.06	4,372.37	71.69	61.993		
2,000.00	1,979.96	1,945.96	1,945.96	9.57	66.19	141.61	443.36	-4,241.80	4,457.46	4,381.90	75.56	58.989		
2,100.00	2,078.50	2,044.50	2,044.50	10.03	69.63	141.74	443.36	-4,241.80	4,470.89	4,391.45	79.44	56.277		
2,200.00	2,177.04	2,143.04	2,143.04	10.49	73.07	141.88	443.36	-4,241.80	4,484.34	4,401.01	83.33	53.816		
2,300.00	2,275.58	2,241.58	2,241.58	10.95	76.51	142.01	443.36	-4,241.80	4,497.82	4,410.61	87.21	51.573		
2,400.00	2,374.12	2,340.12	2,340.12	11.42	79.95	142.14	443.36	-4,241.80	4,511.32	4,420.22	91.10	49.520		
2,500.00	2,472.66	2,438.66	2,438.66	11.89	83.39	142.27	443.36	-4,241.80	4,524.84	4,429.85	94.99	47.635		
2,600.00	2,571.20	2,537.20	2,537.20	12.36	86.83	142.40	443.36	-4,241.80	4,538.39	4,439.51	98.88	45.898		
2,700.00	2,669.74	2,635.74	2,635.74	12.83	90.27	142.53	443.36	-4,241.80	4,551.96	4,449.19	102.77	44.292		
2,800.00	2,768.28	2,734.28	2,734.28	13.30	93.71	142.66	443.36	-4,241.80	4,565.56	4,458.89	106.67	42.803		
2,900.00	2,866.83	2,832.83	2,832.83	13.78	97.15	142.79	443.36	-4,241.80	4,579.17	4,468.61	110.56	41.418		
3,000.00	2,965.37	2,931.37	2,931.37	14.25	100.59	142.92	443.36	-4,241.80	4,592.81	4,478.36	114.46	40.128		
3,100.00	3,063.91	3,029.91	3,029.91	14.73	104.03	143.05	443.36	-4,241.80	4,606.48	4,488.12	118.35	38.922		
3,200.00	3,162.45	3,128.45	3,128.45	15.20	107.47	143.17	443.36	-4,241.80	4,620.16	4,497.91	122.25	37.793		
3,300.00	3,260.99	3,226.99	3,226.99	15.68	110.91	143.30	443.36	-4,241.80	4,633.87	4,507.72	126.15	36.734		
3,400.00	3,359.53	3,325.53	3,325.53	16.16	114.35	143.42	443.36	-4,241.80	4,647.60	4,517.55	130.04	35.739		
3,500.00	3,458.07	3,424.07	3,424.07	16.64	117.79	143.55	443.36	-4,241.80	4,661.35	4,527.40	133.94	34.801		
3,600.00	3,556.61	3,522.61	3,522.61	17.12	121.23	143.67	443.36	-4,241.80	4,675.12	4,537.27	137.84	33.916		
3,700.00	3,655.15	3,621.15	3,621.15	17.60	124.67	143.79	443.36	-4,241.80	4,688.91	4,547.17	141.74	33.081		
3,800.00	3,753.69	3,719.69	3,719.69	18.08	128.11	143.91	443.36	-4,241.80	4,702.72	4,557.08	145.64	32.290		
3,900.00	3,852.23	3,818.23	3,818.23	18.56	131.55	144.03	443.36	-4,241.80	4,716.56	4,567.02	149.54	31.540		
4,000.00	3,950.77	3,916.77	3,916.77	19.04	134.99	144.16	443.36	-4,241.80	4,730.42	4,576.97	153.44	30.828		
4,100.00	4,049.31	4,015.31	4,015.31	19.52	138.43	144.28	443.36	-4,241.80	4,744.29	4,586.95	157.34	30.152		
4,200.00	4,147.86	4,113.86	4,113.86	20.00	141.87	144.39	443.36	-4,241.80	4,758.19	4,596.94	161.25	29.509		
4,300.00	4,246.40	4,212.40	4,212.40	20.49	145.31	144.51	443.36	-4,241.80	4,772.11	4,606.96	165.15	28.896		
4,400.00	4,344.94	4,310.94	4,310.94	20.97	148.75	144.63	443.36	-4,241.80	4,786.04	4,616.99	169.05	28.311		
4,500.00	4,443.48	4,409.48	4,409.48	21.45	152.19	144.75	443.36	-4,241.80	4,800.00	4,627.05	172.95	27.753		
4,600.00	4,542.02	4,508.02	4,508.02	21.94	155.63	144.86	443.36	-4,241.80	4,813.98	4,637.12	176.85	27.220		
4,700.00	4,640.56	4,606.56	4,606.56	22.42	159.07	144.98	443.36	-4,241.80	4,827.98	4,647.22	180.76	26.710		
4,800.00	4,739.10	4,705.10	4,705.10	22.91	162.51	145.09	443.36	-4,241.80	4,841.99	4,657.33	184.66	26.221		
4,900.00	4,837.64	4,803.64	4,803.64	23.39	165.95	145.21	443.36	-4,241.80	4,856.03	4,667.46	188.56	25.753		
5,000.00	4,936.18	4,902.18	4,902.18	23.87	169.39	145.32	443.36	-4,241.80	4,870.08	4,677.62	192.46	25.304		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
5,100.00	5,034.72	5,000.72	5,000.72	24.36	172.83	145.44	443.36	-4,241.80	4,884.15	4,687.79	196.37	24.873		
5,200.00	5,133.26	5,100.74	5,099.26	24.84	176.32	145.55	443.36	-4,241.80	4,898.24	4,697.92	200.32	24.452		
5,300.00	5,231.80	5,202.20	5,197.80	25.33	179.86	145.66	443.36	-4,241.80	4,912.36	4,708.03	204.33	24.042		
5,400.00	5,330.34	5,303.66	5,296.34	25.82	183.41	145.77	443.36	-4,241.80	4,926.48	4,718.15	208.33	23.647		
5,500.00	5,428.89	5,405.11	5,394.89	26.30	186.95	145.88	443.36	-4,241.80	4,940.63	4,728.29	212.34	23.268		
5,600.00	5,527.43	5,506.57	5,493.43	26.79	190.49	145.99	443.36	-4,241.80	4,954.80	4,738.45	216.34	22.903		
5,700.00	5,625.97	5,608.03	5,591.97	27.27	194.03	146.10	443.36	-4,241.80	4,968.98	4,748.63	220.35	22.551		
5,800.00	5,724.51	5,709.49	5,690.51	27.76	197.57	146.21	443.36	-4,241.80	4,983.18	4,758.83	224.35	22.211		
5,900.00	5,823.05	5,789.05	5,789.05	28.24	200.35	146.32	443.36	-4,241.80	4,997.40	4,769.80	227.59	21.958		
6,000.00	5,921.59	5,887.59	5,887.59	28.73	203.79	146.42	443.36	-4,241.80	5,011.63	4,780.14	231.50	21.649		
6,100.00	6,020.13	5,986.13	5,986.13	29.22	207.23	146.53	443.36	-4,241.80	5,025.89	4,790.49	235.40	21.350		
6,200.00	6,118.67	6,084.67	6,084.67	29.70	210.67	146.64	443.36	-4,241.80	5,040.16	4,800.85	239.30	21.062		
6,300.00	6,217.21	6,183.21	6,183.21	30.19	214.11	146.74	443.36	-4,241.80	5,054.44	4,811.24	243.21	20.782		
6,400.00	6,315.75	6,281.75	6,281.75	30.68	217.55	146.85	443.36	-4,241.80	5,068.75	4,821.64	247.11	20.512		
6,500.00	6,414.29	6,380.29	6,380.29	31.16	220.99	146.95	443.36	-4,241.80	5,083.07	4,832.05	251.02	20.250		
6,582.51	6,495.60	6,461.60	6,461.60	31.57	223.83	147.04	443.36	-4,241.80	5,094.90	4,840.66	254.24	20.040		
6,600.00	6,512.86	6,478.86	6,478.86	31.65	224.43	139.49	443.36	-4,241.80	5,097.18	4,842.26	254.92	19.995		
6,650.00	6,562.39	6,528.39	6,528.39	31.88	226.16	109.06	443.36	-4,241.80	5,101.14	4,844.27	256.87	19.859		
6,700.00	6,611.96	6,577.96	6,577.96	32.08	227.89	76.28	443.36	-4,241.80	5,101.32	4,842.51	258.81	19.711		
6,750.00	6,661.26	6,627.26	6,627.26	32.27	229.61	55.73	443.36	-4,241.80	5,097.72	4,837.00	260.72	19.552		
6,800.00	6,709.99	6,675.99	6,675.99	32.44	231.31	44.69	443.36	-4,241.80	5,090.36	4,827.77	262.59	19.385		
6,850.00	6,757.84	6,723.84	6,723.84	32.61	232.98	38.48	443.36	-4,241.80	5,079.29	4,814.88	264.41	19.210		
6,900.00	6,804.53	6,770.53	6,770.53	32.77	234.61	34.79	443.36	-4,241.80	5,064.58	4,798.41	266.18	19.027		
6,950.00	6,849.77	6,815.77	6,815.77	32.92	236.19	32.56	443.36	-4,241.80	5,046.34	4,778.47	267.87	18.839		
7,000.00	6,893.27	6,859.27	6,859.27	33.07	237.71	31.30	443.36	-4,241.80	5,024.67	4,755.18	269.49	18.645		
7,050.00	6,934.77	6,900.77	6,900.77	33.23	239.16	30.73	443.36	-4,241.80	4,999.73	4,728.69	271.03	18.447		
7,100.00	6,974.01	6,940.01	6,940.01	33.39	240.53	30.73	443.36	-4,241.80	4,971.65	4,699.18	272.48	18.246		
7,150.00	7,010.75	6,976.75	6,976.75	33.55	241.81	31.25	443.36	-4,241.80	4,940.63	4,666.81	273.82	18.043		
7,200.00	7,044.77	7,010.77	7,010.77	33.72	243.00	32.27	443.36	-4,241.80	4,906.87	4,631.80	275.06	17.839		
7,250.00	7,075.85	7,041.85	7,041.85	33.92	244.09	33.84	443.36	-4,241.80	4,870.56	4,594.37	276.19	17.635		
7,300.00	7,103.80	7,069.80	7,069.80	34.13	245.06	36.04	443.36	-4,241.80	4,831.94	4,554.73	277.21	17.431		
7,350.00	7,128.45	7,105.55	7,094.45	34.38	246.31	39.01	443.36	-4,241.80	4,791.26	4,512.76	278.49	17.204		
7,400.00	7,149.65	7,115.65	7,115.65	34.67	246.66	42.96	443.36	-4,241.80	4,748.75	4,469.87	278.88	17.028		
7,450.00	7,167.26	7,133.26	7,133.26	35.00	247.28	48.18	443.36	-4,241.80	4,704.70	4,425.17	279.54	16.830		
7,500.00	7,181.19	7,147.19	7,147.19	35.38	247.76	55.04	443.36	-4,241.80	4,659.37	4,379.31	280.06	16.637		
7,550.00	7,191.34	7,157.34	7,157.34	35.81	248.12	63.95	443.36	-4,241.80	4,613.04	4,332.57	280.47	16.448		
7,600.00	7,197.65	7,163.65	7,163.65	36.28	248.34	75.14	443.36	-4,241.80	4,566.00	4,285.25	280.74	16.264		
7,650.00	7,200.08	7,166.08	7,166.08	36.80	248.42	88.28	443.36	-4,241.80	4,518.53	4,237.63	280.90	16.086		
7,667.87	7,200.00	7,166.00	7,166.00	36.99	248.42	93.25	443.36	-4,241.80	4,501.51	4,220.59	280.92	16.024		
7,700.00	7,199.42	7,165.42	7,165.42	37.35	248.40	93.23	443.36	-4,241.80	4,470.92	4,189.97	280.95	15.914		
7,800.00	7,197.60	7,163.60	7,163.60	38.62	248.34	93.15	443.36	-4,241.80	4,375.87	4,094.80	281.07	15.569		
7,900.00	7,195.78	7,161.78	7,161.78	40.06	248.27	93.08	443.36	-4,241.80	4,281.03	3,999.81	281.23	15.223		
8,000.00	7,193.97	7,159.97	7,159.97	41.66	248.21	93.00	443.36	-4,241.80	4,186.44	3,905.01	281.43	14.876		
8,100.00	7,192.15	7,158.15	7,158.15	43.40	248.15	92.92	443.36	-4,241.80	4,092.10	3,810.43	281.68	14.528		
8,200.00	7,190.33	7,156.33	7,156.33	45.25	248.08	92.85	443.36	-4,241.80	3,998.04	3,716.06	281.98	14.178		
8,300.00	7,188.51	7,154.51	7,154.51	47.20	248.02	92.77	443.36	-4,241.80	3,904.27	3,621.93	282.34	13.828		
8,400.00	7,186.70	7,152.70	7,152.70	49.25	247.96	92.70	443.36	-4,241.80	3,810.82	3,528.05	282.77	13.477		
8,500.00	7,184.88	7,150.88	7,150.88	51.37	247.89	92.62	443.36	-4,241.80	3,717.71	3,434.44	283.27	13.124		
8,600.00	7,183.06	7,149.06	7,149.06	53.56	247.83	92.55	443.36	-4,241.80	3,624.96	3,341.12	283.84	12.771		
8,700.00	7,181.24	7,147.24	7,147.24	55.81	247.77	92.47	443.36	-4,241.80	3,532.61	3,248.12	284.49	12.417		
8,800.00	7,179.43	7,145.43	7,145.43	58.11	247.70	92.39	443.36	-4,241.80	3,440.68	3,155.45	285.23	12.063		
8,900.00	7,177.61	7,143.61	7,143.61	60.46	247.64	92.32	443.36	-4,241.80	3,349.22	3,063.15	286.07	11.708		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,175.79	7,141.79	7,141.79	62.85	247.57	92.24	443.36	-4,241.80	3,258.26	2,971.24	287.02	11.352		
9,100.00	7,173.98	7,139.98	7,139.98	65.28	247.51	92.17	443.36	-4,241.80	3,167.84	2,879.77	288.07	10.997		
9,200.00	7,172.16	7,138.16	7,138.16	67.74	247.45	92.09	443.36	-4,241.80	3,078.01	2,788.76	289.25	10.641		
9,300.00	7,170.34	7,136.34	7,136.34	70.23	247.38	92.02	443.36	-4,241.80	2,988.83	2,698.28	290.56	10.287		
9,400.00	7,168.52	7,134.52	7,134.52	72.74	247.32	91.94	443.36	-4,241.80	2,900.35	2,608.35	292.00	9.933		
9,500.00	7,166.71	7,132.71	7,132.71	75.28	247.26	91.86	443.36	-4,241.80	2,812.65	2,519.05	293.60	9.580		
9,600.00	7,164.89	7,130.89	7,130.89	77.84	247.19	91.79	443.36	-4,241.80	2,725.79	2,430.43	295.36	9.229		
9,700.00	7,163.07	7,129.07	7,129.07	80.43	247.13	91.71	443.36	-4,241.80	2,639.85	2,342.57	297.28	8.880		
9,800.00	7,161.26	7,127.26	7,127.26	83.02	247.07	91.64	443.36	-4,241.80	2,554.95	2,255.55	299.40	8.534		
9,900.00	7,159.44	7,125.44	7,125.44	85.64	247.00	91.56	443.36	-4,241.80	2,471.16	2,169.46	301.70	8.191		
10,000.00	7,157.62	7,123.62	7,123.62	88.27	246.94	91.48	443.36	-4,241.80	2,388.63	2,084.42	304.21	7.852		
10,100.00	7,155.80	7,121.80	7,121.80	90.91	246.88	91.41	443.36	-4,241.80	2,307.48	2,000.53	306.94	7.518		
10,200.00	7,153.99	7,119.99	7,119.99	93.56	246.81	91.33	443.36	-4,241.80	2,227.86	1,917.95	309.90	7.189		
10,300.00	7,152.17	7,118.17	7,118.17	96.23	246.75	91.26	443.36	-4,241.80	2,149.93	1,836.83	313.11	6.866		
10,400.00	7,150.35	7,116.35	7,116.35	98.90	246.69	91.18	443.36	-4,241.80	2,073.91	1,757.35	316.56	6.551		
10,500.00	7,148.54	7,114.54	7,114.54	101.59	246.62	91.11	443.36	-4,241.80	1,999.99	1,679.72	320.27	6.245		
10,600.00	7,146.72	7,112.72	7,112.72	104.28	246.56	91.03	443.36	-4,241.80	1,928.43	1,604.18	324.24	5.947		
10,700.00	7,144.90	7,110.90	7,110.90	106.98	246.50	90.95	443.36	-4,241.80	1,859.48	1,531.01	328.48	5.661		
10,800.00	7,143.08	7,109.08	7,109.08	109.69	246.43	90.88	443.36	-4,241.80	1,793.47	1,460.50	332.97	5.386		
10,900.00	7,141.27	7,107.27	7,107.27	112.41	246.37	90.80	443.36	-4,241.80	1,730.71	1,393.01	337.70	5.125		
11,000.00	7,139.45	7,105.45	7,105.45	115.13	246.31	90.73	443.36	-4,241.80	1,671.59	1,328.94	342.65	4.878		
11,100.00	7,137.63	7,103.63	7,103.63	117.86	246.24	90.65	443.36	-4,241.80	1,616.49	1,268.72	347.77	4.648		
11,200.00	7,135.82	7,101.82	7,101.82	120.59	246.18	90.57	443.36	-4,241.80	1,565.84	1,212.83	353.01	4.436		
11,300.00	7,134.00	7,100.00	7,100.00	123.33	246.12	90.50	443.36	-4,241.80	1,520.09	1,161.78	358.31	4.242		
11,400.00	7,132.18	7,101.82	7,098.18	126.07	246.18	90.42	443.36	-4,241.80	1,479.69	1,115.99	363.70	4.068		
11,500.00	7,130.36	7,103.64	7,096.36	128.82	246.24	90.35	443.36	-4,241.80	1,445.09	1,076.13	368.95	3.917		
11,600.00	7,128.55	7,105.45	7,094.55	131.57	246.31	90.27	443.36	-4,241.80	1,416.71	1,042.76	373.95	3.788		
11,700.00	7,126.73	7,107.27	7,092.73	134.33	246.37	90.19	443.36	-4,241.80	1,394.94	1,016.37	378.57	3.685		
11,800.00	7,124.91	7,109.09	7,090.91	137.09	246.43	90.12	443.36	-4,241.80	1,380.09	997.38	382.71	3.606		
11,900.00	7,123.10	7,089.10	7,089.10	139.85	245.74	90.04	443.36	-4,241.80	1,372.38	986.89	385.48	3.560		
11,956.16	7,122.07	7,088.07	7,088.07	141.41	245.70	90.00	443.36	-4,241.80	1,371.23	984.12	387.11	3.542 CC		
12,000.00	7,121.28	7,087.28	7,087.28	142.62	245.67	89.97	443.36	-4,241.80	1,371.93	983.71	388.22	3.534 ES		
12,100.00	7,119.46	7,085.46	7,085.46	145.39	245.61	89.89	443.36	-4,241.80	1,378.75	988.51	390.24	3.533 SF		
12,200.00	7,117.64	7,083.64	7,083.64	148.16	245.54	89.81	443.36	-4,241.80	1,392.73	1,001.21	391.52	3.557		
12,300.00	7,115.83	7,081.83	7,081.83	150.94	245.48	89.74	443.36	-4,241.80	1,413.67	1,021.57	392.09	3.605		
12,400.00	7,114.01	7,080.01	7,080.01	153.72	245.42	89.66	443.36	-4,241.80	1,441.25	1,049.25	392.00	3.677		
12,500.00	7,112.19	7,078.19	7,078.19	156.50	245.35	89.59	443.36	-4,241.80	1,475.10	1,083.78	391.32	3.770		
12,600.00	7,110.37	7,076.37	7,076.37	159.28	245.29	89.51	443.36	-4,241.80	1,514.81	1,124.67	390.14	3.883		
12,700.00	7,108.56	7,074.56	7,074.56	162.07	245.23	89.44	443.36	-4,241.80	1,559.93	1,171.39	388.55	4.015		
12,800.00	7,106.74	7,072.74	7,072.74	164.86	245.16	89.36	443.36	-4,241.80	1,610.00	1,223.37	386.63	4.164		
12,900.00	7,104.92	7,070.92	7,070.92	167.65	245.10	89.28	443.36	-4,241.80	1,664.58	1,280.11	384.47	4.330		
13,000.00	7,103.11	7,069.11	7,069.11	170.44	245.04	89.21	443.36	-4,241.80	1,723.23	1,341.09	382.14	4.509		
13,100.00	7,101.29	7,067.29	7,067.29	173.23	244.97	89.13	443.36	-4,241.80	1,785.56	1,405.85	379.70	4.702		
13,200.00	7,099.47	7,065.47	7,065.47	176.03	244.91	89.06	443.36	-4,241.80	1,851.19	1,473.98	377.21	4.908		
13,300.00	7,097.65	7,063.65	7,063.65	178.82	244.85	88.98	443.36	-4,241.80	1,919.79	1,545.08	374.71	5.123		
13,400.00	7,095.84	7,061.84	7,061.84	181.62	244.78	88.90	443.36	-4,241.80	1,991.04	1,618.83	372.21	5.349		
13,500.00	7,094.02	7,060.02	7,060.02	184.42	244.72	88.83	443.36	-4,241.80	2,064.69	1,694.93	369.76	5.584		
13,600.00	7,092.20	7,058.20	7,058.20	187.22	244.66	88.75	443.36	-4,241.80	2,140.47	1,773.10	367.36	5.827		
13,700.00	7,090.39	7,056.39	7,056.39	190.03	244.59	88.68	443.36	-4,241.80	2,218.16	1,853.13	365.04	6.077		
13,800.00	7,088.57	7,054.57	7,054.57	192.83	244.53	88.60	443.36	-4,241.80	2,297.59	1,934.80	362.79	6.333		
13,900.00	7,086.75	7,052.75	7,052.75	195.64	244.47	88.52	443.36	-4,241.80	2,378.56	2,017.94	360.62	6.596		
14,000.00	7,084.93	7,050.93	7,050.93	198.44	244.40	88.45	443.36	-4,241.80	2,460.93	2,102.39	358.54	6.864		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - FRAKER J #6-2 - OH - OH												Offset Well Error:	0.00 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
14,100.00	7,083.12	7,049.12	7,049.12	201.25	244.34	88.37	443.36	-4,241.80	2,544.56	2,188.02	356.55	7.137	
14,200.00	7,081.30	7,047.30	7,047.30	204.06	244.28	88.30	443.36	-4,241.80	2,629.34	2,274.70	354.64	7.414	
14,300.00	7,079.48	7,045.48	7,045.48	206.87	244.21	88.22	443.36	-4,241.80	2,715.15	2,362.34	352.81	7.696	
14,400.00	7,077.67	7,043.67	7,043.67	209.68	244.15	88.15	443.36	-4,241.80	2,801.90	2,450.84	351.07	7.981	
14,500.00	7,075.85	7,041.85	7,041.85	212.49	244.09	88.07	443.36	-4,241.80	2,889.51	2,540.11	349.40	8.270	
14,600.00	7,074.03	7,040.03	7,040.03	215.31	244.02	87.99	443.36	-4,241.80	2,977.90	2,630.08	347.81	8.562	
14,700.00	7,072.21	7,038.21	7,038.21	218.12	243.96	87.92	443.36	-4,241.80	3,066.99	2,720.70	346.29	8.857	
14,800.00	7,070.40	7,036.40	7,036.40	220.93	243.90	87.84	443.36	-4,241.80	3,156.74	2,811.90	344.84	9.154	
14,900.00	7,068.58	7,034.58	7,034.58	223.75	243.83	87.77	443.36	-4,241.80	3,247.09	2,903.63	343.46	9.454	
15,000.00	7,066.76	7,032.76	7,032.76	226.57	243.77	87.69	443.36	-4,241.80	3,337.99	2,995.85	342.14	9.756	
15,100.00	7,064.95	7,030.95	7,030.95	229.38	243.71	87.61	443.36	-4,241.80	3,429.39	3,088.52	340.88	10.060	
15,200.00	7,063.13	7,029.13	7,029.13	232.20	243.64	87.54	443.36	-4,241.80	3,521.26	3,181.59	339.67	10.367	
15,300.00	7,061.31	7,027.31	7,027.31	235.02	243.58	87.46	443.36	-4,241.80	3,613.57	3,275.05	338.52	10.675	
15,400.00	7,059.49	7,025.49	7,025.49	237.84	243.51	87.39	443.36	-4,241.80	3,706.26	3,368.85	337.41	10.984	
15,500.00	7,057.68	7,023.68	7,023.68	240.66	243.45	87.31	443.36	-4,241.80	3,799.33	3,462.97	336.36	11.295	
15,600.00	7,055.86	7,021.86	7,021.86	243.48	243.39	87.24	443.36	-4,241.80	3,892.75	3,557.40	335.35	11.608	
15,647.29	7,055.00	7,021.00	7,021.00	244.81	243.36	87.20	443.36	-4,241.80	3,937.03	3,602.15	334.89	11.756	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	69.44	925.09	2,466.03	2,633.84					
100.00	100.00	92.49	92.49	3.28	3.29	69.44	925.12	2,466.09	2,633.90	2,627.33	6.57	400.856		
200.00	200.00	194.79	194.79	3.34	3.34	69.43	925.25	2,466.15	2,634.00	2,627.33	6.68	394.598		
300.00	300.00	305.80	305.80	3.44	3.46	69.43	925.50	2,465.87	2,633.85	2,626.94	6.90	381.570		
400.00	399.98	412.71	412.70	3.60	3.63	-66.64	925.77	2,465.20	2,632.66	2,625.43	7.23	364.381		
500.00	499.84	519.37	519.36	3.79	3.85	-66.82	925.95	2,464.21	2,629.78	2,622.15	7.63	344.479		
600.00	599.45	614.71	614.69	4.03	4.08	-67.07	925.87	2,463.42	2,625.54	2,617.45	8.10	324.330		
700.00	698.70	711.89	711.87	4.30	4.34	-67.41	925.91	2,462.69	2,620.11	2,611.48	8.63	303.718		
790.00	787.61	803.46	803.44	4.57	4.60	-67.82	926.12	2,461.92	2,614.11	2,604.94	9.17	285.140		
800.00	797.47	813.41	813.39	4.60	4.63	-67.86	926.14	2,461.83	2,613.39	2,604.16	9.23	283.125		
900.00	896.01	913.41	913.39	4.94	4.94	-68.22	926.36	2,460.89	2,606.14	2,596.26	9.88	263.830		
1,000.00	994.55	1,014.50	1,014.47	5.30	5.28	-68.58	926.55	2,459.88	2,598.93	2,588.36	10.57	245.889		
1,100.00	1,093.09	1,123.00	1,122.96	5.68	5.65	-68.98	926.78	2,458.48	2,591.57	2,580.25	11.32	228.942		
1,200.00	1,191.63	1,227.79	1,227.74	6.08	6.02	-69.37	926.85	2,456.78	2,583.95	2,571.86	12.09	213.810		
1,300.00	1,290.17	1,323.99	1,323.92	6.49	6.37	-69.72	926.97	2,455.14	2,576.39	2,563.54	12.84	200.615		
1,400.00	1,388.71	1,420.33	1,420.25	6.91	6.73	-70.09	927.32	2,453.53	2,569.06	2,555.44	13.62	188.650		
1,500.00	1,487.25	1,523.26	1,523.16	7.34	7.12	-70.48	927.51	2,451.74	2,561.71	2,547.28	14.43	177.488		
1,600.00	1,585.79	1,618.25	1,618.14	7.77	7.48	-70.84	927.72	2,450.12	2,554.51	2,539.28	15.23	167.712		
1,700.00	1,684.34	1,719.54	1,719.41	8.22	7.87	-71.23	927.90	2,448.40	2,547.43	2,531.36	16.06	158.576		
1,800.00	1,782.88	1,821.29	1,821.14	8.66	8.27	-71.62	928.00	2,446.50	2,540.26	2,523.35	16.91	150.237		
1,900.00	1,881.42	1,910.23	1,910.08	9.12	8.62	-71.96	928.22	2,444.92	2,533.36	2,515.65	17.71	143.032		
2,000.00	1,979.96	1,992.98	1,992.81	9.57	8.95	-72.29	928.72	2,443.78	2,527.08	2,508.58	18.50	136.618		
2,100.00	2,078.50	2,085.88	2,085.70	10.03	9.33	-72.66	929.60	2,442.79	2,521.34	2,502.01	19.33	130.455		
2,200.00	2,177.04	2,179.48	2,179.29	10.49	9.70	-73.04	930.97	2,441.75	2,515.90	2,495.73	20.17	124.763		
2,300.00	2,275.58	2,271.34	2,271.12	10.95	10.08	-73.44	933.03	2,440.57	2,510.80	2,489.80	21.00	119.552		
2,400.00	2,374.12	2,366.46	2,366.20	11.42	10.46	-73.85	935.47	2,439.42	2,506.05	2,484.20	21.86	114.666		
2,500.00	2,472.66	2,450.43	2,450.12	11.89	10.81	-74.23	937.96	2,438.43	2,501.67	2,479.01	22.67	110.361		
2,600.00	2,571.20	2,533.25	2,532.89	12.36	11.15	-74.61	941.05	2,437.84	2,498.18	2,474.70	23.48	106.401		
2,700.00	2,669.74	2,627.24	2,626.80	12.83	11.54	-75.04	944.69	2,437.43	2,495.16	2,470.83	24.34	102.523		
2,800.00	2,768.28	2,721.76	2,721.25	13.30	11.93	-75.48	948.57	2,437.02	2,492.41	2,467.21	25.20	98.902		
2,900.00	2,866.83	2,809.21	2,808.62	13.78	12.29	-75.89	952.32	2,436.80	2,490.09	2,464.05	26.04	95.637		
3,000.00	2,965.37	2,881.41	2,880.75	14.25	12.59	-76.22	955.54	2,437.19	2,488.67	2,461.86	26.81	92.833		
3,100.00	3,063.91	2,976.52	2,975.74	14.73	12.99	-76.65	959.88	2,438.42	2,488.10	2,460.42	27.68	89.896		
3,200.00	3,162.45	3,067.24	3,066.36	15.20	13.37	-77.06	963.97	2,439.64	2,487.71	2,459.18	28.53	87.200		
3,218.83	3,181.00	3,083.64	3,082.74	15.29	13.44	-77.14	964.73	2,439.89	2,487.70	2,459.01	28.69	86.721		
3,300.00	3,260.99	3,158.99	3,158.00	15.68	13.75	-77.48	968.25	2,441.19	2,487.83	2,458.45	29.39	84.661		
3,400.00	3,359.53	3,253.67	3,252.56	16.16	14.15	-77.90	972.45	2,443.10	2,488.27	2,458.01	30.26	82.240		
3,500.00	3,458.07	3,355.68	3,354.47	16.64	14.58	-78.33	976.21	2,445.71	2,488.91	2,457.75	31.16	79.876		
3,600.00	3,556.61	3,454.28	3,452.99	17.12	14.99	-78.75	979.60	2,448.13	2,489.46	2,457.41	32.05	77.676		
3,700.00	3,655.15	3,552.85	3,551.47	17.60	15.40	-79.16	983.03	2,450.69	2,490.28	2,457.34	32.94	75.601		
3,800.00	3,753.69	3,650.06	3,648.59	18.08	15.94	-79.67	986.27	2,453.99	2,490.78	2,456.82	33.96	73.351		
3,900.00	3,852.23	3,792.32	3,790.81	18.56	16.40	-80.10	987.93	2,456.26	2,490.27	2,455.36	34.91	71.337		
4,000.00	3,950.77	3,901.38	3,899.85	19.04	16.86	-80.53	989.33	2,458.08	2,489.50	2,453.65	35.85	69.447		
4,100.00	4,049.31	4,012.32	4,010.77	19.52	17.32	-80.96	990.48	2,459.49	2,488.38	2,451.59	36.79	67.630		
4,200.00	4,147.86	4,116.06	4,114.50	20.00	17.75	-81.37	991.65	2,460.27	2,487.01	2,449.30	37.71	65.948		
4,300.00	4,246.40	4,210.82	4,209.26	20.49	18.15	-81.76	992.89	2,460.85	2,485.76	2,447.16	38.59	64.410		
4,400.00	4,344.94	4,310.29	4,308.71	20.97	18.57	-82.16	994.46	2,461.34	2,484.69	2,445.19	39.49	62.913		
4,500.00	4,443.48	4,423.27	4,421.67	21.45	19.05	-82.64	996.57	2,461.39	2,483.57	2,443.12	40.45	61.396		
4,600.00	4,542.02	4,575.61	4,573.97	21.94	19.69	-83.30	998.43	2,459.14	2,480.96	2,439.40	41.56	59.694		
4,700.00	4,640.56	4,690.50	4,688.81	22.42	20.17	-83.81	999.24	2,455.84	2,477.13	2,434.61	42.52	58.257		
4,800.00	4,739.10	4,797.03	4,795.29	22.91	20.62	-84.29	999.73	2,452.39	2,473.03	2,429.58	43.45	56.917		
4,900.00	4,837.64	4,891.16	4,889.37	23.39	21.02	-84.71	1,000.15	2,449.24	2,468.99	2,424.65	44.33	55.691		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,936.18	4,995.91	4,994.05	23.87	21.47	-85.18	1,000.65	2,445.68	2,465.07	2,419.81	45.26	54.469		
5,100.00	5,034.72	5,086.77	5,084.85	24.36	21.85	-85.59	1,001.19	2,442.47	2,461.28	2,415.15	46.13	53.356		
5,200.00	5,133.26	5,192.69	5,190.71	24.84	22.30	-86.08	1,001.80	2,438.80	2,457.68	2,410.63	47.06	52.227		
5,300.00	5,231.80	5,287.88	5,285.85	25.33	22.70	-86.51	1,001.94	2,435.64	2,454.08	2,406.14	47.95	51.184		
5,400.00	5,330.34	5,371.55	5,369.49	25.82	23.06	-86.87	1,002.00	2,433.28	2,450.97	2,402.17	48.79	50.232		
5,500.00	5,428.89	5,481.75	5,479.66	26.30	23.52	-87.35	1,001.97	2,430.66	2,448.26	2,398.52	49.74	49.224		
5,600.00	5,527.43	5,572.72	5,570.59	26.79	23.91	-87.75	1,001.71	2,428.23	2,445.31	2,394.70	50.61	48.317		
5,700.00	5,625.97	5,653.44	5,651.29	27.27	24.25	-88.10	1,001.80	2,426.42	2,443.07	2,391.62	51.44	47.490		
5,800.00	5,724.51	5,739.81	5,737.65	27.76	24.62	-88.46	1,001.98	2,425.27	2,441.67	2,389.38	52.30	46.689		
5,900.00	5,823.05	5,837.79	5,835.63	28.24	25.03	-88.88	1,002.34	2,424.03	2,440.58	2,387.38	53.20	45.879		
6,000.00	5,921.59	5,931.11	5,928.93	28.73	25.43	-89.29	1,002.98	2,422.60	2,439.65	2,385.58	54.08	45.115		
6,090.59	6,010.86	6,006.30	6,004.11	29.17	25.75	-89.62	1,003.94	2,421.50	2,439.33	2,384.50	54.83	44.485 CC		
6,100.00	6,020.13	6,013.50	6,011.30	29.22	25.78	-89.65	1,004.05	2,421.41	2,439.33	2,384.42	54.91	44.423		
6,200.00	6,118.67	6,089.97	6,087.76	29.70	26.11	-90.00	1,005.58	2,420.63	2,439.94	2,384.22	55.72	43.792 ES		
6,300.00	6,217.21	6,189.66	6,187.41	30.19	26.53	-90.45	1,008.21	2,419.64	2,441.17	2,384.54	56.62	43.112		
6,400.00	6,315.75	6,278.82	6,276.52	30.68	26.91	-90.87	1,010.91	2,418.50	2,442.61	2,385.12	57.48	42.493		
6,500.00	6,414.29	6,390.24	6,387.88	31.16	27.38	-91.39	1,014.24	2,417.17	2,444.26	2,385.82	58.44	41.824		
6,582.51	6,495.60	6,479.38	6,476.97	31.57	27.76	-91.81	1,016.69	2,415.60	2,445.28	2,386.06	59.22	41.292		
6,600.00	6,512.86	6,498.07	6,495.65	31.65	27.84	-92.44	1,017.22	2,415.20	2,445.65	2,386.27	59.38	41.185		
6,650.00	6,562.39	6,541.83	6,539.38	31.88	28.03	-130.20	1,018.50	2,414.29	2,448.66	2,388.87	59.79	40.953		
6,700.00	6,611.96	6,585.32	6,582.85	32.08	28.21	-163.52	1,019.80	2,413.50	2,454.59	2,394.41	60.18	40.788		
6,750.00	6,661.26	6,633.52	6,631.01	32.27	28.42	175.14	1,021.29	2,412.69	2,463.36	2,402.79	60.57	40.670		
6,800.00	6,709.99	6,683.71	6,681.17	32.44	28.63	163.08	1,022.95	2,411.70	2,474.79	2,413.83	60.96	40.598		
6,850.00	6,757.84	6,728.30	6,725.72	32.61	28.82	155.60	1,024.55	2,410.69	2,488.84	2,427.52	61.32	40.590 SF		
6,900.00	6,804.53	6,769.55	6,766.93	32.77	29.00	150.35	1,026.21	2,409.70	2,505.52	2,443.87	61.66	40.636		
6,950.00	6,849.77	6,808.25	6,805.57	32.92	29.16	146.24	1,027.94	2,408.71	2,524.76	2,462.78	61.98	40.733		
7,000.00	6,893.27	6,841.38	6,838.65	33.07	29.30	142.72	1,029.56	2,407.90	2,546.52	2,484.24	62.28	40.888		
7,050.00	6,934.77	6,872.95	6,870.17	33.23	29.44	139.49	1,031.21	2,407.19	2,570.69	2,508.12	62.57	41.085		
7,100.00	6,974.01	6,904.35	6,901.51	33.39	29.57	136.36	1,032.98	2,406.54	2,597.14	2,534.28	62.86	41.318		
7,150.00	7,010.75	6,948.68	6,945.76	33.55	29.76	133.38	1,035.53	2,405.55	2,625.58	2,562.37	63.21	41.537		
7,200.00	7,044.77	6,990.15	6,987.15	33.72	29.94	130.33	1,037.91	2,404.48	2,655.80	2,592.25	63.55	41.789		
7,250.00	7,075.85	7,022.49	7,019.42	33.92	30.08	127.01	1,039.75	2,403.58	2,687.70	2,623.84	63.85	42.093		
7,300.00	7,103.80	7,049.78	7,046.66	34.13	30.19	123.40	1,041.27	2,402.86	2,721.19	2,657.06	64.13	42.432		
7,350.00	7,128.45	7,073.90	7,070.74	34.38	30.30	119.49	1,042.60	2,402.27	2,756.12	2,691.72	64.40	42.798		
7,400.00	7,149.65	7,094.71	7,091.51	34.67	30.39	115.22	1,043.72	2,401.79	2,792.30	2,727.65	64.65	43.189		
7,450.00	7,167.26	7,118.44	7,115.20	35.00	30.49	110.75	1,044.98	2,401.25	2,829.54	2,764.61	64.93	43.579		
7,500.00	7,181.19	7,140.02	7,136.74	35.38	30.58	105.98	1,046.10	2,400.71	2,867.61	2,802.41	65.20	43.983		
7,550.00	7,191.34	7,156.49	7,153.19	35.81	30.65	100.87	1,046.95	2,400.26	2,906.31	2,840.87	65.45	44.408		
7,600.00	7,197.65	7,160.00	7,150.72	36.28	32.54	95.06	1,046.83	2,400.34	2,945.50	2,877.99	67.50	43.634		
7,650.00	7,200.08	7,150.00	7,146.71	36.80	30.62	89.17	1,046.62	2,400.44	2,984.90	2,919.15	65.76	45.394		
7,667.87	7,200.00	7,150.00	7,146.71	36.99	30.62	87.13	1,046.62	2,400.44	2,999.00	2,933.18	65.82	45.565		
7,700.00	7,199.42	7,150.00	7,146.71	37.35	30.62	87.13	1,046.62	2,400.44	3,024.39	2,958.45	65.93	45.870		
7,800.00	7,197.60	7,150.00	7,146.71	38.62	30.62	87.13	1,046.62	2,400.44	3,104.21	3,037.90	66.32	46.809		
7,900.00	7,195.78	7,150.00	7,146.71	40.06	30.62	87.13	1,046.62	2,400.44	3,185.18	3,118.45	66.73	47.733		
8,000.00	7,193.97	7,150.00	7,146.71	41.66	30.62	87.13	1,046.62	2,400.44	3,267.20	3,200.04	67.16	48.648		
8,100.00	7,192.15	7,150.00	7,146.71	43.40	30.62	87.13	1,046.62	2,400.44	3,350.20	3,282.59	67.61	49.555		
8,200.00	7,190.33	7,150.00	7,146.71	45.25	30.62	87.13	1,046.62	2,400.44	3,434.10	3,366.04	68.06	50.458		
8,300.00	7,188.51	7,150.00	7,146.71	47.20	30.62	87.13	1,046.62	2,400.44	3,518.85	3,450.33	68.52	51.357		
8,400.00	7,186.70	7,150.00	7,146.71	49.25	30.62	87.13	1,046.62	2,400.44	3,604.37	3,535.40	68.98	52.255		
8,500.00	7,184.88	7,150.00	7,146.71	51.37	30.62	87.13	1,046.62	2,400.44	3,690.63	3,621.19	69.43	53.153		
8,600.00	7,183.06	7,150.00	7,146.71	53.56	30.62	87.13	1,046.62	2,400.44	3,777.56	3,707.67	69.89	54.052		
8,700.00	7,181.24	7,150.00	7,146.71	55.81	30.62	87.13	1,046.62	2,400.44	3,865.12	3,794.79	70.34	54.952		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,179.43	7,150.00	7,146.71	58.11	30.62	87.13	1,046.62	2,400.44	3,953.28	3,882.50	70.78	55.855		
8,900.00	7,177.61	7,150.00	7,146.71	60.46	30.62	87.13	1,046.62	2,400.44	4,041.98	3,970.77	71.21	56.761		
9,000.00	7,175.79	7,150.00	7,146.71	62.85	30.62	87.13	1,046.62	2,400.44	4,131.21	4,059.57	71.64	57.670		
9,100.00	7,173.98	7,150.00	7,146.71	65.28	30.62	87.13	1,046.62	2,400.44	4,220.91	4,148.86	72.05	58.582		
9,200.00	7,172.16	7,150.00	7,146.71	67.74	30.62	87.13	1,046.62	2,400.44	4,311.07	4,238.61	72.46	59.497		
9,300.00	7,170.34	7,150.00	7,146.71	70.23	30.62	87.13	1,046.62	2,400.44	4,401.65	4,328.80	72.85	60.417		
9,400.00	7,168.52	7,150.00	7,146.71	72.74	30.62	87.13	1,046.62	2,400.44	4,492.64	4,419.39	73.24	61.340		
9,500.00	7,166.71	7,150.00	7,146.71	75.28	30.62	87.13	1,046.62	2,400.44	4,583.99	4,510.37	73.62	62.266		
9,600.00	7,164.89	7,150.00	7,146.71	77.84	30.62	87.13	1,046.62	2,400.44	4,675.71	4,601.72	73.99	63.196		
9,700.00	7,163.07	7,150.00	7,146.71	80.43	30.62	87.13	1,046.62	2,400.44	4,767.75	4,693.41	74.35	64.130		
9,800.00	7,161.26	7,150.00	7,146.71	83.02	30.62	87.13	1,046.62	2,400.44	4,860.11	4,785.42	74.69	65.067		
9,900.00	7,159.44	7,150.00	7,146.71	85.64	30.62	87.13	1,046.62	2,400.44	4,952.77	4,877.73	75.03	66.007		
10,000.00	7,157.62	7,150.00	7,146.71	88.27	30.62	87.13	1,046.62	2,400.44	5,045.70	4,970.34	75.37	66.950		
10,100.00	7,155.80	7,150.00	7,146.71	90.91	30.62	87.13	1,046.62	2,400.44	5,138.91	5,063.22	75.69	67.896		
10,200.00	7,153.99	7,150.00	7,146.71	93.56	30.62	87.13	1,046.62	2,400.44	5,232.36	5,156.36	76.00	68.846		
10,300.00	7,152.17	7,150.00	7,146.71	96.23	30.62	87.13	1,046.62	2,400.44	5,326.05	5,249.74	76.31	69.798		
10,400.00	7,150.35	7,150.00	7,146.71	98.90	30.62	87.13	1,046.62	2,400.44	5,419.97	5,343.36	76.60	70.752		
10,500.00	7,148.54	7,150.00	7,146.71	101.59	30.62	87.13	1,046.62	2,400.44	5,514.10	5,437.20	76.89	71.710		
10,600.00	7,146.72	7,150.00	7,146.71	104.28	30.62	87.13	1,046.62	2,400.44	5,608.43	5,531.25	77.18	72.669		
10,700.00	7,144.90	7,150.00	7,146.71	106.98	30.62	87.13	1,046.62	2,400.44	5,702.96	5,625.50	77.45	73.631		
10,800.00	7,143.08	7,150.00	7,146.71	109.69	30.62	87.13	1,046.62	2,400.44	5,797.67	5,719.94	77.72	74.594		
10,900.00	7,141.27	7,150.00	7,146.71	112.41	30.62	87.13	1,046.62	2,400.44	5,892.55	5,814.57	77.98	75.560		
11,000.00	7,139.45	7,150.00	7,146.71	115.13	30.62	87.13	1,046.62	2,400.44	5,987.60	5,909.36	78.24	76.528		
11,100.00	7,137.63	7,150.00	7,146.71	117.86	30.62	87.13	1,046.62	2,400.44	6,082.81	6,004.32	78.49	77.497		
11,200.00	7,135.82	7,150.00	7,146.71	120.59	30.62	87.13	1,046.62	2,400.44	6,178.18	6,099.44	78.74	78.468		
11,300.00	7,134.00	7,150.00	7,146.71	123.33	30.62	87.13	1,046.62	2,400.44	6,273.68	6,194.71	78.97	79.440		
11,400.00	7,132.18	7,150.00	7,146.71	126.07	30.62	87.13	1,046.62	2,400.44	6,369.33	6,290.12	79.21	80.413		
11,500.00	7,130.36	7,150.00	7,146.71	128.82	30.62	87.13	1,046.62	2,400.44	6,465.10	6,385.67	79.44	81.388		
11,600.00	7,128.55	7,150.00	7,146.71	131.57	30.62	87.13	1,046.62	2,400.44	6,561.00	6,481.34	79.66	82.364		
11,700.00	7,126.73	7,150.00	7,146.71	134.33	30.62	87.13	1,046.62	2,400.44	6,657.03	6,577.15	79.88	83.341		
11,800.00	7,124.91	7,150.00	7,146.71	137.09	30.62	87.13	1,046.62	2,400.44	6,753.16	6,673.07	80.09	84.319		
11,900.00	7,123.10	7,150.00	7,146.71	139.85	30.62	87.13	1,046.62	2,400.44	6,849.41	6,769.11	80.30	85.298		
12,000.00	7,121.28	7,150.00	7,146.71	142.62	30.62	87.13	1,046.62	2,400.44	6,945.77	6,865.26	80.50	86.278		
12,100.00	7,119.46	7,150.00	7,146.71	145.39	30.62	87.13	1,046.62	2,400.44	7,042.22	6,961.52	80.71	87.258		
12,200.00	7,117.64	7,150.00	7,146.71	148.16	30.62	87.13	1,046.62	2,400.44	7,138.78	7,057.87	80.90	88.239		
12,300.00	7,115.83	7,150.00	7,146.71	150.94	30.62	87.13	1,046.62	2,400.44	7,235.42	7,154.33	81.10	89.220		
12,400.00	7,114.01	7,150.00	7,146.71	153.72	30.62	87.13	1,046.62	2,400.44	7,332.16	7,250.87	81.29	90.202		
12,500.00	7,112.19	7,150.00	7,146.71	156.50	30.62	87.13	1,046.62	2,400.44	7,428.98	7,347.51	81.47	91.184		
12,600.00	7,110.37	7,150.00	7,146.71	159.28	30.62	87.13	1,046.62	2,400.44	7,525.89	7,444.23	81.66	92.166		
12,700.00	7,108.56	7,150.00	7,146.71	162.07	30.62	87.13	1,046.62	2,400.44	7,622.88	7,541.04	81.84	93.149		
12,800.00	7,106.74	7,150.00	7,146.71	164.86	30.62	87.13	1,046.62	2,400.44	7,719.94	7,637.93	82.01	94.132		
12,900.00	7,104.92	7,150.00	7,146.71	167.65	30.62	87.13	1,046.62	2,400.44	7,817.08	7,734.89	82.19	95.115		
13,000.00	7,103.11	7,150.00	7,146.71	170.44	30.62	87.13	1,046.62	2,400.44	7,914.29	7,831.93	82.36	96.097		
13,100.00	7,101.29	7,150.00	7,146.71	173.23	30.62	87.13	1,046.62	2,400.44	8,011.56	7,929.04	82.53	97.080		
13,200.00	7,099.47	7,150.00	7,146.71	176.03	30.62	87.13	1,046.62	2,400.44	8,108.91	8,026.22	82.69	98.063		
13,300.00	7,097.65	7,150.00	7,146.71	178.82	30.62	87.13	1,046.62	2,400.44	8,206.32	8,123.46	82.85	99.045		
13,400.00	7,095.84	7,150.00	7,146.71	181.62	30.62	87.13	1,046.62	2,400.44	8,303.78	8,220.77	83.02	100.027		
13,500.00	7,094.02	7,150.00	7,146.71	184.42	30.62	87.13	1,046.62	2,400.44	8,401.31	8,318.14	83.17	101.009		
13,600.00	7,092.20	7,150.00	7,146.71	187.22	30.62	87.13	1,046.62	2,400.44	8,498.90	8,415.57	83.33	101.991		
13,700.00	7,090.39	7,150.00	7,146.71	190.03	30.62	87.13	1,046.62	2,400.44	8,596.54	8,513.06	83.48	102.972		
13,800.00	7,088.57	7,150.00	7,146.71	192.83	30.62	87.13	1,046.62	2,400.44	8,694.24	8,610.60	83.64	103.953		
13,900.00	7,086.75	7,150.00	7,146.71	195.64	30.62	87.13	1,046.62	2,400.44	8,791.98	8,708.20	83.79	104.933		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - GREELEY TECH CENTER #41-5 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS													
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	7,084.93	7,150.00	7,146.71	198.44	30.62	87.13	1,046.62	2,400.44	8,889.78	8,805.85	83.93	105.913	
14,100.00	7,083.12	7,150.00	7,146.71	201.25	30.62	87.13	1,046.62	2,400.44	8,987.63	8,903.55	84.08	106.892	
14,200.00	7,081.30	7,150.00	7,146.71	204.06	30.62	87.13	1,046.62	2,400.44	9,085.52	9,001.29	84.23	107.871	
14,300.00	7,079.48	7,150.00	7,146.71	206.87	30.62	87.13	1,046.62	2,400.44	9,183.46	9,099.09	84.37	108.849	
14,400.00	7,077.67	7,150.00	7,146.71	209.68	30.62	87.13	1,046.62	2,400.44	9,281.44	9,196.93	84.51	109.826	
14,500.00	7,075.85	7,150.00	7,146.71	212.49	30.62	87.13	1,046.62	2,400.44	9,379.46	9,294.81	84.65	110.803	
14,600.00	7,074.03	7,150.00	7,146.71	215.31	30.62	87.13	1,046.62	2,400.44	9,477.53	9,392.74	84.79	111.779	
14,700.00	7,072.21	7,150.00	7,146.71	218.12	30.62	87.13	1,046.62	2,400.44	9,575.63	9,490.71	84.93	112.754	
14,800.00	7,070.40	7,150.00	7,146.71	220.93	30.62	87.13	1,046.62	2,400.44	9,673.78	9,588.72	85.06	113.728	
14,900.00	7,068.58	7,150.00	7,146.71	223.75	30.62	87.13	1,046.62	2,400.44	9,771.96	9,686.77	85.19	114.701	
15,000.00	7,066.76	7,150.00	7,146.71	226.57	30.62	87.13	1,046.62	2,400.44	9,870.18	9,784.85	85.33	115.674	
15,100.00	7,064.95	7,150.00	7,146.71	229.38	30.62	87.13	1,046.62	2,400.44	9,968.43	9,882.98	85.46	116.645	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - KELLY # 1-3 - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
0.00	0.00	0.00	0.00	3.28	3.28	94.17	-654.11	8,961.13	8,985.02							
100.00	100.00	72.00	72.00	3.28	3.51	94.17	-654.11	8,961.13	8,984.98	8,978.18	6.80	1,321.856				
200.00	200.00	172.00	172.00	3.34	5.38	94.17	-654.11	8,961.13	8,984.98	8,976.26	8.71	1,031.252				
300.00	300.00	272.00	272.00	3.44	8.42	94.17	-654.11	8,961.13	8,984.98	8,973.12	11.86	757.558				
400.00	399.98	371.98	371.98	3.60	11.71	-41.85	-654.11	8,961.13	8,983.68	8,968.37	15.31	586.947				
500.00	499.84	471.84	471.84	3.79	15.09	-41.92	-654.11	8,961.13	8,979.78	8,960.90	18.88	475.720				
600.00	599.45	571.45	571.45	4.03	18.50	-42.05	-654.11	8,961.13	8,973.29	8,950.77	22.52	398.453				
700.00	698.70	670.70	670.70	4.30	21.92	-42.22	-654.11	8,961.13	8,964.22	8,938.01	26.21	342.012				
790.00	787.61	759.61	759.61	4.57	24.99	-42.42	-654.11	8,961.13	8,953.87	8,924.31	29.56	302.941				
800.00	797.47	769.47	769.47	4.60	25.33	-42.43	-654.11	8,961.13	8,952.60	8,922.67	29.93	299.105				
900.00	896.01	868.01	868.01	4.94	28.74	-42.50	-654.11	8,961.13	8,939.96	8,906.29	33.67	265.493				
1,000.00	994.55	966.55	966.55	5.30	32.16	-42.58	-654.11	8,961.13	8,927.34	8,889.90	37.44	238.426				
1,100.00	1,093.09	1,065.09	1,065.09	5.68	35.59	-42.65	-654.11	8,961.13	8,914.73	8,873.49	41.23	216.194				
1,200.00	1,191.63	1,163.63	1,163.63	6.08	39.02	-42.72	-654.11	8,961.13	8,902.13	8,857.09	45.04	197.628				
1,300.00	1,290.17	1,262.17	1,262.17	6.49	42.44	-42.80	-654.11	8,961.13	8,889.55	8,840.68	48.87	181.903				
1,400.00	1,388.71	1,360.71	1,360.71	6.91	45.87	-42.87	-654.11	8,961.13	8,876.99	8,824.28	52.71	168.424				
1,500.00	1,487.25	1,459.25	1,459.25	7.34	49.31	-42.95	-654.11	8,961.13	8,864.43	8,807.88	56.55	156.747				
1,600.00	1,585.79	1,557.79	1,557.79	7.77	52.74	-43.02	-654.11	8,961.13	8,851.90	8,791.49	60.41	146.537				
1,700.00	1,684.34	1,656.34	1,656.34	8.22	56.17	-43.10	-654.11	8,961.13	8,839.38	8,775.11	64.27	137.537				
1,800.00	1,782.88	1,754.88	1,754.88	8.66	59.61	-43.17	-654.11	8,961.13	8,826.87	8,758.73	68.14	129.547				
1,900.00	1,881.42	1,853.42	1,853.42	9.12	63.04	-43.25	-654.11	8,961.13	8,814.38	8,742.37	72.01	122.406				
2,000.00	1,979.96	1,951.96	1,951.96	9.57	66.48	-43.32	-654.11	8,961.13	8,801.90	8,726.02	75.89	115.988				
2,100.00	2,078.50	2,050.50	2,050.50	10.03	69.91	-43.40	-654.11	8,961.13	8,789.44	8,709.67	79.77	110.189				
2,200.00	2,177.04	2,149.04	2,149.04	10.49	73.35	-43.47	-654.11	8,961.13	8,777.00	8,693.35	83.65	104.924				
2,300.00	2,275.58	2,247.58	2,247.58	10.95	76.79	-43.55	-654.11	8,961.13	8,764.57	8,677.03	87.54	100.123				
2,400.00	2,374.12	2,346.12	2,346.12	11.42	80.22	-43.62	-654.11	8,961.13	8,752.15	8,660.72	91.43	95.728				
2,500.00	2,472.66	2,444.66	2,444.66	11.89	83.66	-43.70	-654.11	8,961.13	8,739.75	8,644.43	95.32	91.690				
2,600.00	2,571.20	2,543.20	2,543.20	12.36	87.10	-43.78	-654.11	8,961.13	8,727.37	8,628.16	99.21	87.966				
2,700.00	2,669.74	2,641.74	2,641.74	12.83	90.54	-43.85	-654.11	8,961.13	8,715.00	8,611.89	103.11	84.523				
2,800.00	2,768.28	2,740.28	2,740.28	13.30	93.98	-43.93	-654.11	8,961.13	8,702.65	8,595.64	107.01	81.329				
2,900.00	2,866.83	2,838.83	2,838.83	13.78	97.41	-44.01	-654.11	8,961.13	8,690.31	8,579.41	110.90	78.359				
3,000.00	2,965.37	2,937.37	2,937.37	14.25	100.85	-44.09	-654.11	8,961.13	8,677.99	8,563.19	114.80	75.590				
3,100.00	3,063.91	3,035.91	3,035.91	14.73	104.29	-44.16	-654.11	8,961.13	8,665.69	8,546.98	118.71	73.002				
3,200.00	3,162.45	3,134.45	3,134.45	15.20	107.73	-44.24	-654.11	8,961.13	8,653.40	8,530.79	122.61	70.578				
3,300.00	3,260.99	3,232.99	3,232.99	15.68	111.17	-44.32	-654.11	8,961.13	8,641.13	8,514.62	126.51	68.304				
3,400.00	3,359.53	3,331.53	3,331.53	16.16	114.61	-44.40	-654.11	8,961.13	8,628.87	8,498.45	130.41	66.165				
3,500.00	3,458.07	3,430.07	3,430.07	16.64	118.04	-44.48	-654.11	8,961.13	8,616.63	8,482.31	134.32	64.150				
3,600.00	3,556.61	3,528.61	3,528.61	17.12	121.48	-44.56	-654.11	8,961.13	8,604.40	8,466.18	138.23	62.249				
3,700.00	3,655.15	3,627.15	3,627.15	17.60	124.92	-44.64	-654.11	8,961.13	8,592.20	8,450.06	142.13	60.452				
3,800.00	3,753.69	3,725.69	3,725.69	18.08	128.36	-44.71	-654.11	8,961.13	8,580.01	8,433.97	146.04	58.751				
3,900.00	3,852.23	3,824.23	3,824.23	18.56	131.80	-44.79	-654.11	8,961.13	8,567.83	8,417.88	149.95	57.139				
4,000.00	3,950.77	3,922.77	3,922.77	19.04	135.24	-44.87	-654.11	8,961.13	8,555.67	8,401.82	153.86	55.608				
4,100.00	4,049.31	4,021.31	4,021.31	19.52	138.68	-44.95	-654.11	8,961.13	8,543.53	8,385.77	157.77	54.153				
4,200.00	4,147.86	4,119.86	4,119.86	20.00	142.12	-45.03	-654.11	8,961.13	8,531.41	8,369.73	161.67	52.769				
4,300.00	4,246.40	4,218.40	4,218.40	20.49	145.56	-45.11	-654.11	8,961.13	8,519.30	8,353.71	165.59	51.450				
4,400.00	4,344.94	4,316.94	4,316.94	20.97	149.00	-45.20	-654.11	8,961.13	8,507.21	8,337.71	169.50	50.191				
4,500.00	4,443.48	4,415.48	4,415.48	21.45	152.43	-45.28	-654.11	8,961.13	8,495.13	8,321.72	173.41	48.990				
4,600.00	4,542.02	4,514.02	4,514.02	21.94	155.87	-45.36	-654.11	8,961.13	8,483.07	8,305.76	177.32	47.841				
4,700.00	4,640.56	4,612.56	4,612.56	22.42	159.31	-45.44	-654.11	8,961.13	8,471.03	8,289.80	181.23	46.742				
4,800.00	4,739.10	4,711.10	4,711.10	22.91	162.75	-45.52	-654.11	8,961.13	8,459.01	8,273.87	185.14	45.689				
4,900.00	4,837.64	4,809.64	4,809.64	23.39	166.19	-45.60	-654.11	8,961.13	8,447.00	8,257.95	189.06	44.680				
5,000.00	4,936.18	4,908.18	4,908.18	23.87	169.63	-45.68	-654.11	8,961.13	8,435.01	8,242.05	192.97	43.712				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	5,006.72	5,006.72	24.36	173.07	-45.77	-654.11	8,961.13	8,423.04	8,226.16	196.88	42.782		
5,200.00	5,133.26	5,105.26	5,105.26	24.84	176.51	-45.85	-654.11	8,961.13	8,411.09	8,210.29	200.80	41.889		
5,300.00	5,231.80	5,203.80	5,203.80	25.33	179.95	-45.93	-654.11	8,961.13	8,399.15	8,194.44	204.71	41.030		
5,400.00	5,330.34	5,302.34	5,302.34	25.82	183.39	-46.01	-654.11	8,961.13	8,387.23	8,178.61	208.62	40.203		
5,500.00	5,428.89	5,400.89	5,400.89	26.30	186.83	-46.10	-654.11	8,961.13	8,375.33	8,162.79	212.54	39.406		
5,600.00	5,527.43	5,500.57	5,499.43	26.79	190.31	-46.18	-654.11	8,961.13	8,363.45	8,146.95	216.49	38.631		
5,700.00	5,625.97	5,602.03	5,597.97	27.27	193.85	-46.26	-654.11	8,961.13	8,351.58	8,131.07	220.51	37.874		
5,800.00	5,724.51	5,703.49	5,696.51	27.76	197.39	-46.35	-654.11	8,961.13	8,339.73	8,115.20	224.53	37.143		
5,900.00	5,823.05	5,804.95	5,795.05	28.24	200.93	-46.43	-654.11	8,961.13	8,327.90	8,099.36	228.55	36.439		
6,000.00	5,921.59	5,906.41	5,893.59	28.73	204.47	-46.52	-654.11	8,961.13	8,316.09	8,083.53	232.56	35.758		
6,100.00	6,020.13	6,007.87	5,992.13	29.22	208.02	-46.60	-654.11	8,961.13	8,304.30	8,067.71	236.58	35.101		
6,200.00	6,118.67	6,109.33	6,090.67	29.70	211.56	-46.69	-654.11	8,961.13	8,292.52	8,051.92	240.60	34.466		
6,300.00	6,217.21	6,189.21	6,189.21	30.19	214.35	-46.77	-654.11	8,961.13	8,280.76	8,036.90	243.87	33.956		
6,400.00	6,315.75	6,287.75	6,287.75	30.68	217.79	-46.86	-654.11	8,961.13	8,269.02	8,021.24	247.78	33.372		
6,500.00	6,414.29	6,386.29	6,386.29	31.16	221.22	-46.94	-654.11	8,961.13	8,257.30	8,005.60	251.70	32.806		
6,582.51	6,495.60	6,467.60	6,467.60	31.57	224.06	-47.01	-654.11	8,961.13	8,247.64	7,992.71	254.93	32.352		
6,600.00	6,512.86	6,484.86	6,484.86	31.65	224.67	-54.54	-654.11	8,961.13	8,245.84	7,990.22	255.62	32.259		
6,650.00	6,562.39	6,534.39	6,534.39	31.88	226.39	-84.99	-654.11	8,961.13	8,243.32	7,985.74	257.57	32.004		
6,657.06	6,569.39	6,541.39	6,541.39	31.91	226.64	-90.00	-654.11	8,961.13	8,243.28	7,985.43	257.85	31.969 CC		
6,700.00	6,611.96	6,583.96	6,583.96	32.08	228.12	-117.88	-654.11	8,961.13	8,244.73	7,985.21	259.52	31.770 ES		
6,750.00	6,661.26	6,633.26	6,633.26	32.27	229.85	-138.64	-654.11	8,961.13	8,250.06	7,988.63	261.43	31.558		
6,800.00	6,709.99	6,681.99	6,681.99	32.44	231.55	-149.98	-654.11	8,961.13	8,259.28	7,995.98	263.30	31.368		
6,850.00	6,757.84	6,729.84	6,729.84	32.61	233.22	-156.60	-654.11	8,961.13	8,272.33	8,007.20	265.12	31.202		
6,900.00	6,804.53	6,776.53	6,776.53	32.77	234.85	-160.82	-654.11	8,961.13	8,289.13	8,022.23	266.89	31.058		
6,950.00	6,849.77	6,821.77	6,821.77	32.92	236.43	-163.70	-654.11	8,961.13	8,309.57	8,040.98	268.60	30.937		
7,000.00	6,893.27	6,865.27	6,865.27	33.07	237.94	-165.77	-654.11	8,961.13	8,333.54	8,063.31	270.22	30.839		
7,050.00	6,934.77	6,906.77	6,906.77	33.23	239.39	-167.32	-654.11	8,961.13	8,360.87	8,089.11	271.77	30.765		
7,100.00	6,974.01	6,946.01	6,946.01	33.39	240.76	-168.50	-654.11	8,961.13	8,391.41	8,118.19	273.22	30.713		
7,150.00	7,010.75	6,982.75	6,982.75	33.55	242.05	-169.43	-654.11	8,961.13	8,424.97	8,150.39	274.57	30.684		
7,200.00	7,044.77	7,016.77	7,016.77	33.72	243.23	-170.17	-654.11	8,961.13	8,461.32	8,185.51	275.82	30.677 SF		
7,250.00	7,075.85	7,047.85	7,047.85	33.92	244.32	-170.76	-654.11	8,961.13	8,500.26	8,223.32	276.95	30.693		
7,300.00	7,103.80	7,075.80	7,075.80	34.13	245.29	-171.24	-654.11	8,961.13	8,541.55	8,263.59	277.96	30.730		
7,350.00	7,128.45	7,100.45	7,100.45	34.38	246.15	-171.62	-654.11	8,961.13	8,584.91	8,306.07	278.84	30.788		
7,400.00	7,149.65	7,121.65	7,121.65	34.67	246.89	-171.92	-654.11	8,961.13	8,630.10	8,350.50	279.60	30.866		
7,450.00	7,167.26	7,139.26	7,139.26	35.00	247.51	-172.14	-654.11	8,961.13	8,676.82	8,396.59	280.23	30.964		
7,500.00	7,181.19	7,153.19	7,153.19	35.38	247.99	-172.28	-654.11	8,961.13	8,724.79	8,444.07	280.72	31.080		
7,550.00	7,191.34	7,163.34	7,163.34	35.81	248.35	-172.33	-654.11	8,961.13	8,773.72	8,492.65	281.08	31.215		
7,600.00	7,197.65	7,169.65	7,169.65	36.28	248.57	-172.17	-654.11	8,961.13	8,823.30	8,542.01	281.30	31.367		
7,650.00	7,200.08	7,172.08	7,172.08	36.80	248.65	-167.92	-654.11	8,961.13	8,873.23	8,591.85	281.38	31.534		
7,667.87	7,200.00	7,172.00	7,172.00	36.99	248.65	4.60	-654.11	8,961.13	8,891.10	8,609.72	281.38	31.598		
7,700.00	7,199.42	7,171.42	7,171.42	37.35	248.63	4.59	-654.11	8,961.13	8,923.22	8,641.86	281.36	31.714		
7,800.00	7,197.60	7,169.60	7,169.60	38.62	248.57	4.54	-654.11	8,961.13	9,023.21	8,741.90	281.30	32.076		
7,900.00	7,195.78	7,167.78	7,167.78	40.06	248.50	4.49	-654.11	8,961.13	9,123.19	8,841.94	281.25	32.438		
8,000.00	7,193.97	7,165.97	7,165.97	41.66	248.44	4.44	-654.11	8,961.13	9,223.17	8,941.98	281.19	32.801		
8,100.00	7,192.15	7,164.15	7,164.15	43.40	248.38	4.39	-654.11	8,961.13	9,323.16	9,042.02	281.13	33.163		
8,200.00	7,190.33	7,162.33	7,162.33	45.25	248.31	4.35	-654.11	8,961.13	9,423.14	9,142.06	281.08	33.525		
8,300.00	7,188.51	7,160.51	7,160.51	47.20	248.25	4.30	-654.11	8,961.13	9,523.12	9,242.09	281.03	33.887		
8,400.00	7,186.70	7,158.70	7,158.70	49.25	248.19	4.26	-654.11	8,961.13	9,623.11	9,342.13	280.98	34.249		
8,500.00	7,184.88	7,156.88	7,156.88	51.37	248.12	4.21	-654.11	8,961.13	9,723.09	9,442.16	280.93	34.611		
8,600.00	7,183.06	7,155.06	7,155.06	53.56	248.06	4.17	-654.11	8,961.13	9,823.07	9,542.20	280.88	34.973		
8,700.00	7,181.24	7,153.24	7,153.24	55.81	248.00	4.13	-654.11	8,961.13	9,923.06	9,642.23	280.83	35.335		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
3,500.00	3,458.07	3,414.07	3,414.07	16.64	117.49	-53.00	785.39	10,277.28	9,993.89	9,860.01	133.88	74.646		
3,600.00	3,556.61	3,512.61	3,512.61	17.12	120.92	-53.07	785.39	10,277.28	9,983.56	9,845.77	137.79	72.452		
3,700.00	3,655.15	3,611.15	3,611.15	17.60	124.36	-53.15	785.39	10,277.28	9,973.25	9,831.54	141.71	70.380		
3,800.00	3,753.69	3,709.69	3,709.69	18.08	127.80	-53.23	785.39	10,277.28	9,962.95	9,817.34	145.62	68.419		
3,900.00	3,852.23	3,808.23	3,808.23	18.56	131.24	-53.31	785.39	10,277.28	9,952.68	9,803.15	149.53	66.560		
4,000.00	3,950.77	3,906.77	3,906.77	19.04	134.68	-53.39	785.39	10,277.28	9,942.42	9,788.98	153.44	64.795		
4,100.00	4,049.31	4,005.31	4,005.31	19.52	138.12	-53.46	785.39	10,277.28	9,932.18	9,774.83	157.36	63.119		
4,200.00	4,147.86	4,103.86	4,103.86	20.00	141.56	-53.54	785.39	10,277.28	9,921.96	9,760.69	161.27	61.524		
4,300.00	4,246.40	4,202.40	4,202.40	20.49	145.00	-53.62	785.39	10,277.28	9,911.76	9,746.58	165.19	60.004		
4,400.00	4,344.94	4,300.94	4,300.94	20.97	148.44	-53.70	785.39	10,277.28	9,901.58	9,732.48	169.10	58.554		
4,500.00	4,443.48	4,400.52	4,399.48	21.45	151.91	-53.78	785.39	10,277.28	9,891.42	9,718.36	173.05	57.158		
4,600.00	4,542.02	4,501.98	4,498.02	21.94	155.45	-53.86	785.39	10,277.28	9,881.27	9,704.20	177.07	55.804		
4,700.00	4,640.56	4,603.44	4,596.56	22.42	158.99	-53.94	785.39	10,277.28	9,871.15	9,690.06	181.09	54.510		
4,800.00	4,739.10	4,704.90	4,695.10	22.91	162.54	-54.01	785.39	10,277.28	9,861.04	9,675.93	185.11	53.272		
4,900.00	4,837.64	4,806.36	4,793.64	23.39	166.08	-54.09	785.39	10,277.28	9,850.95	9,661.82	189.13	52.087		
5,000.00	4,936.18	4,907.82	4,892.18	23.87	169.62	-54.17	785.39	10,277.28	9,840.88	9,647.74	193.15	50.951		
5,100.00	5,034.72	5,009.28	4,990.72	24.36	173.16	-54.25	785.39	10,277.28	9,830.83	9,633.67	197.16	49.861		
5,200.00	5,133.26	5,089.26	5,089.26	24.84	175.95	-54.33	785.39	10,277.28	9,820.80	9,620.37	200.44	48.997		
5,300.00	5,231.80	5,187.80	5,187.80	25.33	179.39	-54.41	785.39	10,277.28	9,810.79	9,606.44	204.35	48.009		
5,400.00	5,330.34	5,286.34	5,286.34	25.82	182.83	-54.49	785.39	10,277.28	9,800.80	9,592.53	208.27	47.058		
5,500.00	5,428.89	5,384.89	5,384.89	26.30	186.27	-54.57	785.39	10,277.28	9,790.83	9,578.64	212.19	46.142		
5,600.00	5,527.43	5,483.43	5,483.43	26.79	189.71	-54.65	785.39	10,277.28	9,780.87	9,564.76	216.11	45.259		
5,700.00	5,625.97	5,581.97	5,581.97	27.27	193.15	-54.73	785.39	10,277.28	9,770.94	9,550.91	220.03	44.407		
5,800.00	5,724.51	5,680.51	5,680.51	27.76	196.59	-54.82	785.39	10,277.28	9,761.03	9,537.08	223.95	43.586		
5,900.00	5,823.05	5,779.05	5,779.05	28.24	200.03	-54.90	785.39	10,277.28	9,751.13	9,523.26	227.87	42.793		
6,000.00	5,921.59	5,877.59	5,877.59	28.73	203.47	-54.98	785.39	10,277.28	9,741.26	9,509.47	231.79	42.026		
6,100.00	6,020.13	5,976.13	5,976.13	29.22	206.91	-55.06	785.39	10,277.28	9,731.40	9,495.69	235.71	41.286		
6,200.00	6,118.67	6,074.67	6,074.67	29.70	210.35	-55.14	785.39	10,277.28	9,721.57	9,481.94	239.63	40.569		
6,300.00	6,217.21	6,173.21	6,173.21	30.19	213.79	-55.22	785.39	10,277.28	9,711.75	9,468.20	243.55	39.876		
6,400.00	6,315.75	6,271.75	6,271.75	30.68	217.23	-55.30	785.39	10,277.28	9,701.96	9,454.49	247.47	39.204		
6,500.00	6,414.29	6,370.29	6,370.29	31.16	220.67	-55.39	785.39	10,277.28	9,692.18	9,440.79	251.39	38.554		
6,582.51	6,495.60	6,451.60	6,451.60	31.57	223.50	-55.45	785.39	10,277.28	9,684.13	9,429.50	254.63	38.032		
6,600.00	6,512.86	6,468.86	6,468.86	31.65	224.11	-62.96	785.39	10,277.28	9,682.66	9,427.35	255.31	37.925		
6,645.17	6,557.60	6,513.60	6,513.60	31.85	225.67	-90.00	785.39	10,277.28	9,681.08	9,423.99	257.08	37.657 CC		
6,650.00	6,562.39	6,518.39	6,518.39	31.88	225.84	-93.39	785.39	10,277.28	9,681.09	9,423.82	257.27	37.630 ES		
6,700.00	6,611.96	6,567.96	6,567.96	32.08	227.57	-126.30	785.39	10,277.28	9,683.42	9,424.20	259.21	37.357		
6,750.00	6,661.26	6,617.26	6,617.26	32.27	229.29	-147.12	785.39	10,277.28	9,689.61	9,428.49	261.12	37.108		
6,800.00	6,709.99	6,665.99	6,665.99	32.44	230.99	-158.58	785.39	10,277.28	9,699.65	9,436.66	262.99	36.882		
6,850.00	6,757.84	6,713.84	6,713.84	32.61	232.66	-165.38	785.39	10,277.28	9,713.47	9,448.65	264.82	36.680		
6,900.00	6,804.53	6,760.53	6,760.53	32.77	234.29	-169.84	785.39	10,277.28	9,730.97	9,464.38	266.59	36.502		
6,950.00	6,849.77	6,805.77	6,805.77	32.92	235.87	-173.03	785.39	10,277.28	9,752.05	9,483.76	268.30	36.348		
7,000.00	6,893.27	6,849.27	6,849.27	33.07	237.39	-175.49	785.39	10,277.28	9,776.58	9,506.66	269.93	36.219		
7,050.00	6,934.77	6,909.23	6,890.77	33.23	239.48	-177.52	785.39	10,277.28	9,804.42	9,532.29	272.12	36.029		
7,100.00	6,974.01	6,930.01	6,930.01	33.39	240.20	-179.32	785.39	10,277.28	9,835.37	9,562.44	272.94	36.035		
7,150.00	7,010.75	6,966.75	6,966.75	33.55	241.49	-178.99	785.39	10,277.28	9,869.27	9,594.97	274.30	35.980		
7,200.00	7,044.77	7,000.77	7,000.77	33.72	242.67	-177.29	785.39	10,277.28	9,905.89	9,630.34	275.55	35.950		
7,250.00	7,075.85	7,031.85	7,031.85	33.92	243.76	-175.46	785.39	10,277.28	9,945.01	9,668.32	276.69	35.943 SF		
7,300.00	7,103.80	7,059.80	7,059.80	34.13	244.73	-173.38	785.39	10,277.28	9,986.39	9,708.68	277.71	35.960		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	96.12	-567.37	5,292.03	5,322.41					
100.00	100.00	96.32	96.32	3.28	3.29	96.12	-567.58	5,291.84	5,322.22	5,315.65	6.57	809.884		
200.00	200.00	231.72	231.72	3.34	3.34	96.13	-568.22	5,290.76	5,321.47	5,314.79	6.68	796.541		
300.00	300.00	314.89	314.88	3.44	3.43	96.14	-568.63	5,290.01	5,320.62	5,313.74	6.88	773.648		
400.00	399.98	446.21	446.19	3.60	3.64	-39.90	-569.24	5,288.83	5,318.48	5,311.24	7.24	734.448		
500.00	499.84	560.88	560.85	3.79	3.89	-40.01	-569.43	5,287.13	5,313.01	5,305.33	7.68	691.836		
600.00	599.45	628.08	628.05	4.03	4.06	-40.15	-569.74	5,286.29	5,305.12	5,297.04	8.08	656.685		
700.00	698.70	713.24	713.20	4.30	4.29	-40.35	-570.36	5,285.52	5,294.97	5,286.39	8.58	617.146		
790.00	787.61	785.25	785.20	4.57	4.50	-40.57	-570.79	5,285.07	5,283.81	5,274.75	9.06	583.112		
800.00	797.47	792.98	792.93	4.60	4.52	-40.58	-570.81	5,285.04	5,282.47	5,273.35	9.12	579.320		
900.00	896.01	885.51	885.46	4.94	4.80	-40.69	-570.39	5,284.87	5,269.24	5,259.52	9.73	541.801		
1,000.00	994.55	967.73	967.65	5.30	5.06	-40.82	-568.07	5,284.96	5,256.12	5,245.79	10.33	508.819		
1,100.00	1,093.09	1,072.97	1,072.71	5.68	5.40	-41.01	-562.09	5,285.78	5,243.42	5,232.38	11.04	475.038		
1,200.00	1,191.63	1,161.81	1,161.43	6.08	7.04	-42.00	-521.99	5,275.86	5,228.53	5,215.48	13.05	400.766		
1,300.00	1,290.17	1,262.14	1,262.37	6.49	7.48	-42.20	-515.71	5,269.20	5,209.31	5,195.44	13.87	375.634		
1,400.00	1,388.71	1,695.63	1,692.58	6.91	7.77	-42.33	-511.34	5,264.79	5,189.91	5,175.36	14.55	356.695		
1,500.00	1,487.25	1,753.00	1,749.81	7.34	8.00	-42.43	-508.71	5,261.76	5,171.54	5,156.34	15.20	340.307		
1,600.00	1,585.79	1,788.12	1,784.87	7.77	8.15	-42.50	-507.28	5,260.23	5,154.10	5,138.34	15.77	326.915		
1,700.00	1,684.34	1,845.00	1,841.63	8.22	8.38	-42.60	-504.29	5,258.30	5,137.66	5,121.23	16.43	312.732		
1,800.00	1,782.88	1,948.81	1,945.24	8.66	8.81	-42.80	-498.80	5,255.12	5,121.66	5,104.38	17.28	296.316		
1,900.00	1,881.42	2,016.93	2,013.28	9.12	9.09	-42.92	-495.95	5,253.09	5,105.84	5,087.83	18.00	283.580		
2,000.00	1,979.96	2,136.55	2,132.78	9.57	9.59	-43.12	-491.85	5,249.54	5,090.15	5,071.21	18.93	268.845		
2,100.00	2,078.50	2,178.57	2,174.77	10.03	9.76	-43.18	-490.91	5,248.48	5,074.85	5,055.29	19.56	259.452		
2,200.00	2,177.04	2,238.15	2,234.34	10.49	10.01	-43.27	-490.18	5,247.40	5,060.45	5,040.19	20.26	249.791		
2,300.00	2,275.58	2,320.42	2,316.59	10.95	10.35	-43.39	-488.93	5,246.35	5,046.62	5,025.57	21.05	239.748		
2,400.00	2,374.12	2,472.18	2,468.30	11.42	10.98	-43.63	-486.22	5,243.85	5,032.48	5,010.37	22.12	227.509		
2,500.00	2,472.66	2,580.01	2,576.08	11.89	11.43	-43.80	-484.17	5,241.27	5,017.61	4,994.59	23.02	217.950		
2,600.00	2,571.20	2,631.82	2,627.88	12.36	11.64	-43.87	-483.89	5,240.21	5,003.19	4,979.49	23.70	211.104		
2,700.00	2,669.74	2,674.00	2,670.05	12.83	11.81	-43.92	-484.31	5,239.68	4,989.73	4,965.39	24.34	204.982		
2,800.00	2,768.28	2,713.59	2,709.64	13.30	11.97	-43.97	-484.90	5,239.64	4,977.45	4,952.48	24.97	199.351		
2,900.00	2,866.83	2,766.00	2,762.04	13.78	12.17	-44.04	-485.38	5,240.53	4,966.59	4,940.94	25.64	193.686		
3,000.00	2,965.37	2,824.81	2,820.83	14.25	12.40	-44.11	-485.73	5,242.04	4,956.64	4,930.31	26.34	188.183		
3,100.00	3,063.91	2,938.40	2,934.39	14.73	12.84	-44.26	-486.39	5,244.58	4,946.60	4,919.35	27.25	181.547		
3,200.00	3,162.45	3,085.75	3,081.71	15.20	13.42	-44.46	-487.54	5,246.98	4,935.99	4,907.71	28.29	174.499		
3,300.00	3,260.99	3,196.53	3,192.49	15.68	13.86	-44.60	-488.50	5,248.03	4,924.75	4,895.56	29.19	168.704		
3,400.00	3,359.53	3,306.83	3,302.77	16.16	14.30	-44.74	-489.28	5,248.92	4,913.38	4,883.29	30.10	163.241		
3,500.00	3,458.07	3,385.50	3,381.44	16.64	14.62	-44.86	-489.10	5,249.62	4,902.11	4,871.21	30.89	158.686		
3,600.00	3,556.61	3,470.44	3,466.36	17.12	14.97	-44.99	-487.98	5,250.71	4,891.21	4,859.50	31.72	154.223		
3,700.00	3,655.15	3,622.58	3,618.46	17.60	15.61	-45.25	-484.37	5,251.87	4,879.76	4,846.95	32.81	148.719		
3,800.00	3,753.69	3,782.32	3,778.18	18.08	16.28	-45.50	-482.47	5,251.54	4,867.56	4,833.63	33.93	143.441		
3,900.00	3,852.23	3,844.00	3,839.86	18.56	16.54	-45.59	-482.44	5,250.86	4,854.65	4,819.97	34.68	139.996		
4,000.00	3,950.77	3,904.02	3,899.87	19.04	16.79	-45.67	-482.84	5,250.67	4,842.53	4,807.13	35.41	136.763		
4,100.00	4,049.31	3,961.82	3,957.66	19.52	17.02	-45.74	-484.00	5,251.36	4,831.69	4,795.56	36.13	133.738		
4,200.00	4,147.86	4,052.18	4,047.98	20.00	17.39	-45.85	-486.00	5,252.63	4,821.17	4,784.20	36.97	130.409		
4,300.00	4,246.40	4,125.59	4,121.36	20.49	17.69	-45.94	-487.49	5,253.98	4,811.09	4,773.34	37.75	127.454		
4,400.00	4,344.94	4,335.23	4,330.96	20.97	18.55	-46.22	-489.63	5,256.84	4,801.00	4,761.95	39.05	122.935		
4,500.00	4,443.48	4,453.67	4,449.40	21.45	19.05	-46.40	-490.05	5,256.43	4,788.83	4,748.81	40.01	119.676		
4,600.00	4,542.02	4,556.51	4,552.24	21.94	19.48	-46.55	-490.19	5,255.74	4,776.33	4,735.41	40.92	116.720		
4,700.00	4,640.56	4,682.67	4,678.38	22.42	20.02	-46.74	-489.82	5,254.49	4,763.57	4,721.65	41.92	113.641		
4,800.00	4,739.10	4,772.28	4,767.99	22.91	20.40	-46.88	-489.49	5,253.27	4,750.49	4,707.71	42.78	111.049		
4,900.00	4,837.64	4,840.60	4,836.31	23.39	20.69	-46.98	-489.54	5,252.78	4,738.04	4,694.48	43.56	108.773		
5,000.00	4,936.18	4,935.43	4,931.14	23.87	21.09	-47.13	-489.63	5,252.41	4,725.96	4,681.52	44.44	106.347		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,100.00	5,034.72	5,038.17	5,033.87	24.36	21.52	-47.28	-490.04	5,251.96	4,713.85	4,668.50	45.35	103.949		
5,200.00	5,133.26	5,157.12	5,152.82	24.84	22.03	-47.45	-490.76	5,251.28	4,701.67	4,655.36	46.32	101.512		
5,300.00	5,231.80	5,262.28	5,257.97	25.33	22.47	-47.60	-491.89	5,250.20	4,689.04	4,641.80	47.23	99.273		
5,400.00	5,330.34	5,365.23	5,360.91	25.82	22.90	-47.74	-493.42	5,249.11	4,676.39	4,628.25	48.14	97.136		
5,500.00	5,428.89	5,441.81	5,437.47	26.30	23.23	-47.86	-493.49	5,248.42	4,663.97	4,615.01	48.96	95.264		
5,600.00	5,527.43	5,589.89	5,585.54	26.79	23.86	-48.09	-493.85	5,246.53	4,651.16	4,601.12	50.03	92.958		
5,700.00	5,625.97	5,659.10	5,654.71	27.27	24.15	-48.18	-495.68	5,245.43	4,638.12	4,587.29	50.82	91.259		
5,800.00	5,724.51	5,717.00	5,712.60	27.76	24.39	-48.25	-496.84	5,245.21	4,626.14	4,574.57	51.57	89.707		
5,900.00	5,823.05	5,821.32	5,816.90	28.24	24.83	-48.40	-498.68	5,245.20	4,614.67	4,562.19	52.48	87.928		
6,000.00	5,921.59	5,911.42	5,906.98	28.73	25.21	-48.52	-500.65	5,244.93	4,602.93	4,549.58	53.35	86.285		
6,100.00	6,020.13	5,966.08	5,961.64	29.22	25.44	-48.60	-501.09	5,245.11	4,591.86	4,537.78	54.08	84.913		
6,200.00	6,118.67	6,123.58	6,119.13	29.70	26.10	-48.85	-501.35	5,245.41	4,580.75	4,525.56	55.19	82.999		
6,300.00	6,217.21	6,212.05	6,207.59	30.19	26.48	-48.97	-502.70	5,245.01	4,568.97	4,512.92	56.05	81.515		
6,400.00	6,315.75	6,253.00	6,248.54	30.68	26.65	-49.04	-502.78	5,244.95	4,557.85	4,501.12	56.74	80.335		
6,500.00	6,414.29	6,307.82	6,303.36	31.16	26.88	-49.13	-502.62	5,245.48	4,547.80	4,490.34	57.46	79.141		
6,582.51	6,495.60	6,342.00	6,337.53	31.57	27.02	-49.19	-502.54	5,246.34	4,540.60	4,482.58	58.02	78.260		
6,600.00	6,512.86	6,342.00	6,337.53	31.65	27.02	-56.70	-502.54	5,246.34	4,539.43	4,481.33	58.11	78.123		
6,628.55	6,541.12	6,342.00	6,337.53	31.78	27.02	-72.60	-502.54	5,246.34	4,538.70	4,480.46	58.24	77.928 CC, ES		
6,650.00	6,562.39	6,342.00	6,337.53	31.88	27.02	-87.10	-502.54	5,246.34	4,539.11	4,480.77	58.34	77.801		
6,700.00	6,611.96	6,342.00	6,337.53	32.08	27.02	-119.95	-502.54	5,246.34	4,543.27	4,484.71	58.55	77.592		
6,750.00	6,661.26	6,379.59	6,375.07	32.27	27.18	-140.75	-502.23	5,248.00	4,551.20	4,492.30	58.90	77.272		
6,800.00	6,709.99	6,390.99	6,386.45	32.44	27.23	-152.11	-502.04	5,248.70	4,563.68	4,504.57	59.11	77.207		
6,850.00	6,757.84	6,431.00	6,426.33	32.61	27.39	-158.82	-501.03	5,251.84	4,580.68	4,521.26	59.43	77.079 SF		
6,900.00	6,804.53	6,431.00	6,426.33	32.77	27.39	-163.07	-501.03	5,251.84	4,601.07	4,541.52	59.55	77.263		
6,950.00	6,849.77	6,431.00	6,426.33	32.92	27.39	-166.01	-501.03	5,251.84	4,625.40	4,565.75	59.65	77.539		
7,000.00	6,893.27	6,431.00	6,426.33	33.07	27.39	-168.15	-501.03	5,251.84	4,653.46	4,593.72	59.74	77.902		
7,050.00	6,934.77	6,431.00	6,426.33	33.23	27.39	-169.80	-501.03	5,251.84	4,685.01	4,625.21	59.80	78.345		
7,100.00	6,974.01	6,431.00	6,426.33	33.39	27.39	-171.14	-501.03	5,251.84	4,719.79	4,659.94	59.85	78.863		
7,150.00	7,010.75	6,431.00	6,426.33	33.55	27.39	-172.26	-501.03	5,251.84	4,757.52	4,697.64	59.88	79.448		
7,200.00	7,044.77	6,468.85	6,463.96	33.72	27.55	-173.36	-500.00	5,255.76	4,797.32	4,737.23	60.10	79.824		
7,250.00	7,075.85	6,475.69	6,470.75	33.92	27.58	-174.35	-499.85	5,256.56	4,839.81	4,779.67	60.15	80.465		
7,300.00	7,103.80	6,481.57	6,476.58	34.13	27.60	-175.38	-499.73	5,257.27	4,884.32	4,824.14	60.19	81.154		
7,350.00	7,128.45	6,486.46	6,481.43	34.38	27.62	-176.58	-499.64	5,257.88	4,930.53	4,870.32	60.21	81.885		
7,400.00	7,149.65	6,520.00	6,514.66	34.67	27.76	-178.24	-499.18	5,262.43	4,978.48	4,918.10	60.38	82.446		
7,450.00	7,167.26	6,520.00	6,514.66	35.00	27.76	-179.16	-499.18	5,262.43	5,027.09	4,966.70	60.38	83.256		
7,500.00	7,181.19	6,520.00	6,514.66	35.38	27.76	-173.41	-499.18	5,262.43	5,076.46	5,016.09	60.38	84.078		
7,550.00	7,191.34	6,520.00	6,514.66	35.81	27.76	148.02	-499.18	5,262.43	5,126.30	5,065.92	60.38	84.905		
7,600.00	7,197.65	6,520.00	6,514.66	36.28	27.76	39.44	-499.18	5,262.43	5,176.26	5,115.88	60.38	85.727		
7,650.00	7,200.08	6,520.00	6,514.66	36.80	27.76	19.99	-499.18	5,262.43	5,226.06	5,165.67	60.39	86.538		
7,667.87	7,200.00	6,520.00	6,514.66	36.99	27.76	17.67	-499.18	5,262.43	5,243.76	5,183.36	60.39	86.825		
7,700.00	7,199.42	6,520.00	6,514.66	37.35	27.76	17.67	-499.18	5,262.43	5,275.52	5,215.11	60.41	87.335		
7,800.00	7,197.60	6,520.00	6,514.66	38.62	27.76	17.67	-499.18	5,262.43	5,374.40	5,313.96	60.44	88.920		
7,900.00	7,195.78	6,486.18	6,481.16	40.06	27.62	16.94	-499.65	5,257.85	5,472.88	5,412.57	60.31	90.749		
8,000.00	7,193.97	6,482.82	6,477.83	41.66	27.61	16.87	-499.71	5,257.43	5,571.75	5,511.42	60.33	92.356		
8,100.00	7,192.15	6,479.56	6,474.58	43.40	27.59	16.80	-499.77	5,257.03	5,670.65	5,610.30	60.35	93.960		
8,200.00	7,190.33	6,476.38	6,471.43	45.25	27.58	16.73	-499.84	5,256.65	5,769.59	5,709.21	60.38	95.561		
8,300.00	7,188.51	6,473.28	6,468.36	47.20	27.57	16.67	-499.90	5,256.28	5,868.55	5,808.15	60.40	97.160		
8,400.00	7,186.70	6,470.27	6,465.36	49.25	27.55	16.61	-499.97	5,255.93	5,967.54	5,907.11	60.43	98.756		
8,500.00	7,184.88	6,467.33	6,462.45	51.37	27.54	16.55	-500.03	5,255.59	6,066.55	6,006.10	60.45	100.349		
8,600.00	7,183.06	6,464.47	6,459.61	53.56	27.53	16.49	-500.10	5,255.26	6,165.59	6,105.11	60.48	101.940		
8,700.00	7,181.24	6,431.00	6,426.33	55.81	27.39	15.82	-501.03	5,251.84	6,265.01	6,204.64	60.37	103.772		
8,800.00	7,179.43	6,431.00	6,426.33	58.11	27.39	15.82	-501.03	5,251.84	6,364.04	6,303.62	60.42	105.336		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,900.00	7,177.61	6,431.00	6,426.33	60.46	27.39	15.82	-501.03	5,251.84	6,463.10	6,402.64	60.46	106.897		
9,000.00	7,175.79	6,431.00	6,426.33	62.85	27.39	15.82	-501.03	5,251.84	6,562.18	6,501.68	60.51	108.455		
9,100.00	7,173.98	6,431.00	6,426.33	65.28	27.39	15.82	-501.03	5,251.84	6,661.30	6,600.75	60.55	110.011		
9,200.00	7,172.16	6,431.00	6,426.33	67.74	27.39	15.82	-501.03	5,251.84	6,760.44	6,699.84	60.60	111.565		
9,300.00	7,170.34	6,431.00	6,426.33	70.23	27.39	15.82	-501.03	5,251.84	6,859.60	6,798.96	60.64	113.116		
9,400.00	7,168.52	6,431.00	6,426.33	72.74	27.39	15.82	-501.03	5,251.84	6,958.79	6,898.11	60.69	114.664		
9,500.00	7,166.71	6,431.00	6,426.33	75.28	27.39	15.82	-501.03	5,251.84	7,058.01	6,997.27	60.74	116.209		
9,600.00	7,164.89	6,431.00	6,426.33	77.84	27.39	15.82	-501.03	5,251.84	7,157.24	7,096.46	60.78	117.752		
9,700.00	7,163.07	6,431.00	6,426.33	80.43	27.39	15.82	-501.03	5,251.84	7,256.49	7,195.66	60.83	119.291		
9,800.00	7,161.26	6,431.00	6,426.33	83.02	27.39	15.82	-501.03	5,251.84	7,355.77	7,294.89	60.88	120.828		
9,900.00	7,159.44	6,431.00	6,426.33	85.64	27.39	15.82	-501.03	5,251.84	7,455.06	7,394.14	60.93	122.361		
10,000.00	7,157.62	6,431.00	6,426.33	88.27	27.39	15.82	-501.03	5,251.84	7,554.38	7,493.40	60.98	123.891		
10,100.00	7,155.80	6,431.00	6,426.33	90.91	27.39	15.82	-501.03	5,251.84	7,653.71	7,592.68	61.03	125.418		
10,200.00	7,153.99	6,431.00	6,426.33	93.56	27.39	15.82	-501.03	5,251.84	7,753.06	7,691.98	61.08	126.942		
10,300.00	7,152.17	6,431.00	6,426.33	96.23	27.39	15.82	-501.03	5,251.84	7,852.42	7,791.30	61.13	128.463		
10,400.00	7,150.35	6,431.00	6,426.33	98.90	27.39	15.82	-501.03	5,251.84	7,951.80	7,890.63	61.18	129.980		
10,500.00	7,148.54	6,431.00	6,426.33	101.59	27.39	15.82	-501.03	5,251.84	8,051.20	7,989.97	61.23	131.493		
10,600.00	7,146.72	6,431.00	6,426.33	104.28	27.39	15.82	-501.03	5,251.84	8,150.61	8,089.33	61.28	133.004		
10,700.00	7,144.90	6,431.00	6,426.33	106.98	27.39	15.82	-501.03	5,251.84	8,250.03	8,188.70	61.33	134.510		
10,800.00	7,143.08	6,431.00	6,426.33	109.69	27.39	15.82	-501.03	5,251.84	8,349.47	8,288.09	61.39	136.013		
10,900.00	7,141.27	6,431.00	6,426.33	112.41	27.39	15.82	-501.03	5,251.84	8,448.93	8,387.48	61.44	137.512		
11,000.00	7,139.45	6,431.00	6,426.33	115.13	27.39	15.82	-501.03	5,251.84	8,548.39	8,486.89	61.50	139.007		
11,100.00	7,137.63	6,431.00	6,426.33	117.86	27.39	15.82	-501.03	5,251.84	8,647.87	8,586.32	61.55	140.499		
11,200.00	7,135.82	6,431.00	6,426.33	120.59	27.39	15.82	-501.03	5,251.84	8,747.36	8,685.75	61.61	141.987		
11,300.00	7,134.00	6,431.00	6,426.33	123.33	27.39	15.82	-501.03	5,251.84	8,846.86	8,785.19	61.66	143.471		
11,400.00	7,132.18	6,431.00	6,426.33	126.07	27.39	15.82	-501.03	5,251.84	8,946.37	8,884.65	61.72	144.950		
11,500.00	7,130.36	6,431.00	6,426.33	128.82	27.39	15.82	-501.03	5,251.84	9,045.89	8,984.11	61.78	146.426		
11,600.00	7,128.55	6,431.00	6,426.33	131.57	27.39	15.82	-501.03	5,251.84	9,145.42	9,083.59	61.84	147.898		
11,700.00	7,126.73	6,431.00	6,426.33	134.33	27.39	15.82	-501.03	5,251.84	9,244.97	9,183.07	61.89	149.365		
11,800.00	7,124.91	6,431.00	6,426.33	137.09	27.39	15.82	-501.03	5,251.84	9,344.52	9,282.57	61.95	150.829		
11,900.00	7,123.10	6,431.00	6,426.33	139.85	27.39	15.82	-501.03	5,251.84	9,444.08	9,382.07	62.01	152.288		
12,000.00	7,121.28	6,431.00	6,426.33	142.62	27.39	15.82	-501.03	5,251.84	9,543.65	9,481.58	62.08	153.743		
12,100.00	7,119.46	6,431.00	6,426.33	145.39	27.39	15.82	-501.03	5,251.84	9,643.23	9,581.10	62.14	155.194		
12,200.00	7,117.64	6,431.00	6,426.33	148.16	27.39	15.82	-501.03	5,251.84	9,742.82	9,680.62	62.20	156.640		
12,300.00	7,115.83	6,431.00	6,426.33	150.94	27.39	15.82	-501.03	5,251.84	9,842.42	9,780.16	62.26	158.082		
12,400.00	7,114.01	6,431.00	6,426.33	153.72	27.39	15.82	-501.03	5,251.84	9,942.03	9,879.70	62.32	159.519		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	96.25	-575.40	5,252.78	5,284.25					
100.00	100.00	93.21	93.21	3.28	3.29	96.26	-576.30	5,252.55	5,284.10	5,277.52	6.57	803.890		
200.00	200.00	206.85	206.82	3.34	3.36	96.28	-578.35	5,251.71	5,283.54	5,276.84	6.70	788.715		
300.00	300.00	292.48	292.44	3.44	3.46	96.30	-579.71	5,251.22	5,283.14	5,276.23	6.91	764.681		
400.00	399.98	389.41	389.36	3.60	3.62	-39.72	-581.16	5,250.80	5,281.54	5,274.32	7.22	731.442		
500.00	499.84	542.56	542.49	3.79	3.96	-39.81	-583.44	5,249.78	5,277.14	5,269.39	7.75	680.994		
600.00	599.45	681.90	681.68	4.03	4.34	-39.94	-588.69	5,246.65	5,268.54	5,260.17	8.36	629.846		
700.00	698.70	742.00	741.62	4.30	4.52	-40.09	-592.78	5,245.10	5,257.44	5,248.62	8.82	596.264		
790.00	787.61	796.63	796.06	4.57	4.70	-40.25	-597.22	5,244.00	5,245.80	5,236.54	9.27	566.131		
800.00	797.47	801.55	800.96	4.60	4.72	-40.25	-597.63	5,243.93	5,244.44	5,235.12	9.32	562.941		
900.00	896.01	837.00	836.29	4.94	4.84	-40.26	-600.61	5,243.55	5,231.37	5,221.61	9.76	535.951		
1,000.00	994.55	890.85	889.92	5.30	5.02	-40.27	-605.42	5,243.50	5,219.29	5,209.00	10.30	506.812		
1,100.00	1,093.09	930.00	928.88	5.68	5.16	-40.28	-609.21	5,243.91	5,208.34	5,197.53	10.81	481.910		
1,200.00	1,191.63	963.74	962.44	6.08	5.28	-40.28	-612.60	5,244.66	5,198.59	5,187.27	11.32	459.357		
1,300.00	1,290.17	995.29	993.81	6.49	5.40	-40.29	-615.81	5,245.79	5,190.14	5,178.31	11.83	438.614		
1,400.00	1,388.71	1,034.01	1,032.28	6.91	5.54	-40.29	-619.77	5,247.72	5,183.00	5,170.61	12.39	418.437		
1,500.00	1,487.25	1,321.91	1,319.34	7.34	6.64	-40.45	-638.09	5,258.33	5,173.69	5,159.81	13.88	372.643		
1,600.00	1,585.79	1,368.09	1,365.45	7.77	6.82	-40.49	-640.10	5,259.67	5,163.98	5,149.49	14.49	356.427		
1,700.00	1,684.34	1,433.63	1,430.87	8.22	7.08	-40.54	-643.23	5,262.19	5,155.20	5,140.03	15.18	339.672		
1,800.00	1,782.88	1,538.32	1,535.26	8.66	7.50	-40.60	-649.95	5,266.26	5,146.71	5,130.67	16.03	321.016		
1,900.00	1,881.42	1,643.15	1,639.84	9.12	7.93	-40.67	-655.99	5,270.14	5,137.95	5,121.05	16.90	304.020		
2,000.00	1,979.96	1,795.87	1,792.28	9.57	8.57	-40.77	-663.76	5,274.94	5,128.53	5,110.56	17.97	285.446		
2,100.00	2,078.50	1,871.56	1,867.86	10.03	8.88	-40.83	-667.15	5,277.26	5,119.03	5,100.30	18.73	273.344		
2,200.00	2,177.04	1,946.00	1,942.17	10.49	9.20	-40.89	-670.78	5,279.72	5,109.86	5,090.38	19.49	262.193		
2,300.00	2,275.58	2,004.61	2,000.66	10.95	9.45	-40.93	-673.84	5,282.02	5,101.37	5,081.18	20.19	252.668		
2,400.00	2,374.12	2,067.70	2,063.58	11.42	9.72	-40.98	-677.22	5,285.15	5,093.82	5,072.91	20.91	243.591		
2,500.00	2,472.66	2,166.45	2,162.08	11.89	10.14	-41.05	-681.91	5,290.39	5,086.61	5,064.83	21.78	233.506		
2,600.00	2,571.20	2,304.23	2,299.44	12.36	10.74	-41.14	-690.29	5,297.03	5,079.08	5,056.24	22.83	222.455		
2,700.00	2,669.74	2,391.09	2,385.99	12.83	11.13	-41.18	-696.60	5,300.81	5,071.16	5,047.49	23.67	214.208		
2,800.00	2,768.28	2,499.62	2,494.18	13.30	11.62	-41.25	-703.63	5,305.75	5,063.38	5,038.77	24.61	205.750		
2,900.00	2,866.83	2,900.00	2,649.59	13.78	13.40	-41.35	-712.52	5,311.99	5,055.04	5,028.22	26.82	188.465		
3,000.00	2,965.37	2,810.89	2,804.61	14.25	13.01	-41.43	-723.70	5,315.76	5,045.07	5,018.18	26.89	187.609		
3,100.00	3,063.91	2,924.31	2,917.68	14.73	13.52	-41.48	-732.28	5,317.88	5,034.72	5,006.86	27.86	180.709		
3,200.00	3,162.45	3,047.75	3,040.93	15.20	14.07	-41.57	-738.64	5,320.18	5,024.20	4,995.33	28.86	174.069		
3,300.00	3,260.99	3,242.15	3,235.21	15.68	14.91	-41.75	-744.91	5,321.93	5,012.71	4,982.57	30.14	166.336		
3,400.00	3,359.53	3,320.86	3,313.91	16.16	15.23	-41.85	-745.53	5,322.17	5,000.28	4,969.35	30.94	161.623		
3,500.00	3,458.07	3,425.69	3,418.74	16.64	15.67	-41.98	-746.20	5,322.43	4,987.82	4,955.98	31.84	156.648		
3,600.00	3,556.61	3,497.00	3,490.05	17.12	15.97	-42.07	-746.55	5,322.88	4,975.74	4,943.13	32.62	152.559		
3,700.00	3,655.15	3,574.64	3,567.69	17.60	16.29	-42.17	-746.87	5,323.76	4,964.17	4,930.76	33.41	148.577		
3,800.00	3,753.69	3,687.70	3,680.74	18.08	16.75	-42.32	-747.17	5,325.08	4,952.68	4,918.34	34.34	144.228		
3,900.00	3,852.23	3,776.58	3,769.61	18.56	17.12	-42.44	-747.12	5,326.11	4,941.17	4,905.99	35.17	140.480		
4,000.00	3,950.77	3,879.69	3,872.72	19.04	17.54	-42.58	-747.14	5,327.35	4,929.74	4,893.68	36.06	136.698		
4,100.00	4,049.31	3,998.30	3,991.32	19.52	18.02	-42.74	-747.10	5,328.41	4,918.02	4,881.01	37.01	132.873		
4,200.00	4,147.86	4,084.55	4,077.57	20.00	18.39	-42.85	-747.67	5,329.02	4,906.20	4,868.35	37.85	129.612		
4,300.00	4,246.40	4,230.77	4,223.76	20.49	19.01	-43.03	-749.58	5,329.84	4,894.37	4,855.45	38.93	125.734		
4,400.00	4,344.94	4,329.22	4,322.21	20.97	19.42	-43.16	-749.74	5,329.83	4,881.85	4,842.04	39.81	122.631		
4,500.00	4,443.48	4,427.48	4,420.48	21.45	19.82	-43.30	-749.78	5,329.82	4,869.36	4,828.69	40.68	119.703		
4,600.00	4,542.02	4,552.89	4,545.88	21.94	20.32	-43.47	-749.71	5,329.62	4,856.77	4,815.14	41.64	116.640		
4,700.00	4,640.56	4,667.28	4,660.27	22.42	20.76	-43.63	-749.46	5,328.77	4,843.60	4,801.04	42.55	113.823		
4,800.00	4,739.10	4,753.32	4,746.30	22.91	21.10	-43.75	-749.28	5,328.14	4,830.46	4,787.08	43.38	111.364		
4,900.00	4,837.64	4,826.93	4,819.92	23.39	21.39	-43.86	-749.07	5,327.88	4,817.72	4,773.57	44.15	109.112		
5,000.00	4,936.18	4,909.61	4,902.60	23.87	21.72	-43.98	-748.64	5,327.95	4,805.44	4,760.48	44.96	106.876		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,100.00	5,034.72	5,031.97	5,024.96	24.36	22.20	-44.17	-747.75	5,328.00	4,793.14	4,747.24	45.91	104.410		
5,200.00	5,133.26	5,145.21	5,138.19	24.84	22.65	-44.33	-747.40	5,327.52	4,780.43	4,733.60	46.82	102.092		
5,300.00	5,231.80	5,238.56	5,231.54	25.33	23.03	-44.47	-747.49	5,326.94	4,767.57	4,719.89	47.69	99.978		
5,400.00	5,330.34	5,330.13	5,323.10	25.82	23.41	-44.59	-748.07	5,326.61	4,755.01	4,706.45	48.55	97.935		
5,500.00	5,428.89	5,442.94	5,435.91	26.30	23.89	-44.74	-749.14	5,326.07	4,742.37	4,692.87	49.50	95.809		
5,600.00	5,527.43	5,557.18	5,550.13	26.79	24.35	-44.93	-747.85	5,325.19	4,729.40	4,678.97	50.43	93.780		
5,700.00	5,625.97	5,647.52	5,640.44	27.27	24.71	-45.09	-745.52	5,324.48	4,716.43	4,665.16	51.27	91.993		
5,800.00	5,724.51	5,746.62	5,739.52	27.76	25.10	-45.25	-743.88	5,323.69	4,703.50	4,651.36	52.14	90.206		
5,900.00	5,823.05	5,839.25	5,832.15	28.24	25.48	-45.40	-743.31	5,323.07	4,690.76	4,637.77	53.00	88.508		
6,000.00	5,921.59	5,950.78	5,943.67	28.73	25.94	-45.56	-743.66	5,322.09	4,677.87	4,623.94	53.93	86.740		
6,100.00	6,020.13	6,044.15	6,037.04	29.22	26.33	-45.69	-744.36	5,321.20	4,664.93	4,610.12	54.81	85.117		
6,200.00	6,118.67	6,156.99	6,149.85	29.70	26.81	-45.85	-745.80	5,320.16	4,652.07	4,596.32	55.75	83.438		
6,300.00	6,217.21	6,215.03	6,207.89	30.19	27.06	-45.92	-746.56	5,319.64	4,639.32	4,582.81	56.51	82.096		
6,400.00	6,315.75	6,281.39	6,274.25	30.68	27.34	-46.02	-746.67	5,319.84	4,627.62	4,570.33	57.29	80.772		
6,500.00	6,414.29	6,377.64	6,370.50	31.16	27.74	-46.17	-746.75	5,319.81	4,615.72	4,557.54	58.18	79.340		
6,582.51	6,495.60	6,410.38	6,403.24	31.57	27.88	-46.22	-746.71	5,320.13	4,606.73	4,547.99	58.74	78.428		
6,600.00	6,512.86	6,438.00	6,430.85	31.65	27.99	-53.78	-746.61	5,320.67	4,605.29	4,546.36	58.93	78.146		
6,643.91	6,556.35	6,438.00	6,430.85	31.85	27.99	-79.93	-746.61	5,320.67	4,603.57	4,544.42	59.16	77.820 CC, ES		
6,650.00	6,562.39	6,438.00	6,430.85	31.88	27.99	-84.19	-746.61	5,320.67	4,603.60	4,544.42	59.19	77.780		
6,700.00	6,611.96	6,438.00	6,430.85	32.08	27.99	-117.03	-746.61	5,320.67	4,606.38	4,546.96	59.42	77.524		
6,750.00	6,661.26	6,438.00	6,430.85	32.27	27.99	-137.73	-746.61	5,320.67	4,613.60	4,553.98	59.62	77.382		
6,800.00	6,709.99	6,438.00	6,430.85	32.44	27.99	-149.01	-746.61	5,320.67	4,625.19	4,565.39	59.80	77.347		
6,850.00	6,757.84	6,477.53	6,470.35	32.61	28.16	-155.63	-746.32	5,322.27	4,640.23	4,580.11	60.12	77.187 SF		
6,900.00	6,804.53	6,486.85	6,479.65	32.77	28.20	-159.79	-746.23	5,322.84	4,659.79	4,599.50	60.29	77.288		
6,950.00	6,849.77	6,527.00	6,519.66	32.92	28.36	-162.66	-745.71	5,326.11	4,683.75	4,623.17	60.58	77.315		
7,000.00	6,893.27	6,527.00	6,519.66	33.07	28.36	-164.63	-745.71	5,326.11	4,710.67	4,649.99	60.68	77.633		
7,050.00	6,934.77	6,527.00	6,519.66	33.23	28.36	-166.06	-745.71	5,326.11	4,741.14	4,680.38	60.76	78.032		
7,100.00	6,974.01	6,527.00	6,519.66	33.39	28.36	-167.10	-745.71	5,326.11	4,774.93	4,714.11	60.82	78.509		
7,150.00	7,010.75	6,527.00	6,519.66	33.55	28.36	-167.85	-745.71	5,326.11	4,811.76	4,750.89	60.87	79.054		
7,200.00	7,044.77	6,527.00	6,519.66	33.72	28.36	-168.37	-745.71	5,326.11	4,851.33	4,790.43	60.90	79.661		
7,250.00	7,075.85	6,527.00	6,519.66	33.92	28.36	-168.68	-745.71	5,326.11	4,893.33	4,832.41	60.92	80.323		
7,300.00	7,103.80	6,527.00	6,519.66	34.13	28.36	-168.77	-745.71	5,326.11	4,937.45	4,876.52	60.93	81.031		
7,350.00	7,128.45	6,527.00	6,519.66	34.38	28.36	-168.59	-745.71	5,326.11	4,983.36	4,922.42	60.94	81.778		
7,400.00	7,149.65	6,527.00	6,519.66	34.67	28.36	-168.02	-745.71	5,326.11	5,030.74	4,969.80	60.94	82.555		
7,450.00	7,167.26	6,527.00	6,519.66	35.00	28.36	-166.70	-745.71	5,326.11	5,079.25	5,018.32	60.94	83.354		
7,500.00	7,181.19	6,527.00	6,519.66	35.38	28.36	-163.32	-745.71	5,326.11	5,128.57	5,067.64	60.93	84.166		
7,550.00	7,191.34	6,527.00	6,519.66	35.81	28.36	-148.02	-745.71	5,326.11	5,178.38	5,117.45	60.93	84.983		
7,600.00	7,197.65	6,527.00	6,519.66	36.28	28.36	-21.16	-745.71	5,326.11	5,228.36	5,167.42	60.94	85.797		
7,650.00	7,200.08	6,527.00	6,519.66	36.80	28.36	-2.38	-745.71	5,326.11	5,278.20	5,217.25	60.95	86.601		
7,667.87	7,200.00	6,527.00	6,519.66	36.99	28.36	-0.51	-745.71	5,326.11	5,295.92	5,234.97	60.95	86.885		
7,700.00	7,199.42	6,527.00	6,519.66	37.35	28.36	-0.51	-745.71	5,326.11	5,327.72	5,266.76	60.96	87.391		
7,800.00	7,197.60	6,527.00	6,519.66	38.62	28.36	-0.51	-745.71	5,326.11	5,426.74	5,365.74	61.00	88.964		
7,900.00	7,195.78	6,527.00	6,519.66	40.06	28.36	-0.51	-745.71	5,326.11	5,525.79	5,464.76	61.03	90.535		
8,000.00	7,193.97	6,527.00	6,519.66	41.66	28.36	-0.51	-745.71	5,326.11	5,624.87	5,563.80	61.07	92.106		
8,100.00	7,192.15	6,527.00	6,519.66	43.40	28.36	-0.51	-745.71	5,326.11	5,723.99	5,662.89	61.11	93.675		
8,200.00	7,190.33	6,527.00	6,519.66	45.25	28.36	-0.51	-745.71	5,326.11	5,823.14	5,762.00	61.14	95.242		
8,300.00	7,188.51	6,527.00	6,519.66	47.20	28.36	-0.51	-745.71	5,326.11	5,922.31	5,861.14	61.18	96.808		
8,400.00	7,186.70	6,527.00	6,519.66	49.25	28.36	-0.51	-745.71	5,326.11	6,021.51	5,960.30	61.21	98.373		
8,500.00	7,184.88	6,527.00	6,519.66	51.37	28.36	-0.51	-745.71	5,326.11	6,120.74	6,059.50	61.25	99.935		
8,600.00	7,183.06	6,527.00	6,519.66	53.56	28.36	-0.51	-745.71	5,326.11	6,220.00	6,158.71	61.28	101.496		
8,700.00	7,181.24	6,527.00	6,519.66	55.81	28.36	-0.51	-745.71	5,326.11	6,319.27	6,257.95	61.32	103.055		
8,800.00	7,179.43	6,527.00	6,519.66	58.11	28.36	-0.51	-745.71	5,326.11	6,418.57	6,357.22	61.36	104.612		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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-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		
8,900.00	7,177.61	6,527.00	6,519.66	60.46	28.36	-0.51	-745.71	5,326.11	6,517.89	6,456.50	61.39	106.167		
9,000.00	7,175.79	6,527.00	6,519.66	62.85	28.36	-0.51	-745.71	5,326.11	6,617.23	6,555.80	61.43	107.719		
9,100.00	7,173.98	6,527.00	6,519.66	65.28	28.36	-0.51	-745.71	5,326.11	6,716.59	6,655.13	61.47	109.269		
9,200.00	7,172.16	6,527.00	6,519.66	67.74	28.36	-0.51	-745.71	5,326.11	6,815.97	6,754.47	61.51	110.817		
9,300.00	7,170.34	6,527.00	6,519.66	70.23	28.36	-0.51	-745.71	5,326.11	6,915.37	6,853.82	61.55	112.362		
9,400.00	7,168.52	6,527.00	6,519.66	72.74	28.36	-0.51	-745.71	5,326.11	7,014.78	6,953.20	61.58	113.905		
9,500.00	7,166.71	6,527.00	6,519.66	75.28	28.36	-0.51	-745.71	5,326.11	7,114.21	7,052.59	61.62	115.445		
9,600.00	7,164.89	6,527.00	6,519.66	77.84	28.36	-0.51	-745.71	5,326.11	7,213.66	7,152.00	61.66	116.983		
9,700.00	7,163.07	6,527.00	6,519.66	80.43	28.36	-0.51	-745.71	5,326.11	7,313.12	7,251.42	61.71	118.517		
9,800.00	7,161.26	6,527.00	6,519.66	83.02	28.36	-0.51	-745.71	5,326.11	7,412.60	7,350.85	61.75	120.049		
9,900.00	7,159.44	6,527.00	6,519.66	85.64	28.36	-0.51	-745.71	5,326.11	7,512.09	7,450.30	61.79	121.578		
10,000.00	7,157.62	6,527.00	6,519.66	88.27	28.36	-0.51	-745.71	5,326.11	7,611.59	7,549.76	61.83	123.104		
10,100.00	7,155.80	6,527.00	6,519.66	90.91	28.36	-0.51	-745.71	5,326.11	7,711.11	7,649.23	61.87	124.626		
10,200.00	7,153.99	6,527.00	6,519.66	93.56	28.36	-0.51	-745.71	5,326.11	7,810.64	7,748.72	61.92	126.146		
10,300.00	7,152.17	6,527.00	6,519.66	96.23	28.36	-0.51	-745.71	5,326.11	7,910.18	7,848.21	61.96	127.662		
10,400.00	7,150.35	6,527.00	6,519.66	98.90	28.36	-0.51	-745.71	5,326.11	8,009.73	7,947.72	62.01	129.175		
10,500.00	7,148.54	6,527.00	6,519.66	101.59	28.36	-0.51	-745.71	5,326.11	8,109.29	8,047.24	62.05	130.685		
10,600.00	7,146.72	6,527.00	6,519.66	104.28	28.36	-0.51	-745.71	5,326.11	8,208.86	8,146.77	62.10	132.191		
10,700.00	7,144.90	6,527.00	6,519.66	106.98	28.36	-0.51	-745.71	5,326.11	8,308.45	8,246.30	62.15	133.694		
10,800.00	7,143.08	6,527.00	6,519.66	109.69	28.36	-0.51	-745.71	5,326.11	8,408.04	8,345.85	62.19	135.193		
10,900.00	7,141.27	6,527.00	6,519.66	112.41	28.36	-0.51	-745.71	5,326.11	8,507.65	8,445.40	62.24	136.688		
11,000.00	7,139.45	6,527.00	6,519.66	115.13	28.36	-0.51	-745.71	5,326.11	8,607.26	8,544.97	62.29	138.180		
11,100.00	7,137.63	6,527.00	6,519.66	117.86	28.36	-0.51	-745.71	5,326.11	8,706.88	8,644.54	62.34	139.668		
11,200.00	7,135.82	6,527.00	6,519.66	120.59	28.36	-0.51	-745.71	5,326.11	8,806.51	8,744.12	62.39	141.152		
11,300.00	7,134.00	6,527.00	6,519.66	123.33	28.36	-0.51	-745.71	5,326.11	8,906.15	8,843.71	62.44	142.632		
11,400.00	7,132.18	6,527.00	6,519.66	126.07	28.36	-0.51	-745.71	5,326.11	9,005.79	8,943.30	62.49	144.109		
11,500.00	7,130.36	6,527.00	6,519.66	128.82	28.36	-0.51	-745.71	5,326.11	9,105.45	9,042.90	62.55	145.581		
11,600.00	7,128.55	6,527.00	6,519.66	131.57	28.36	-0.51	-745.71	5,326.11	9,205.11	9,142.51	62.60	147.049		
11,700.00	7,126.73	6,527.00	6,519.66	134.33	28.36	-0.51	-745.71	5,326.11	9,304.78	9,242.12	62.65	148.514		
11,800.00	7,124.91	6,488.20	6,480.99	137.09	28.20	-0.52	-746.22	5,322.93	9,403.74	9,341.16	62.58	150.264		
11,900.00	7,123.10	6,487.26	6,480.06	139.85	28.20	-0.52	-746.23	5,322.87	9,503.39	9,440.76	62.63	151.727		
12,000.00	7,121.28	6,486.34	6,479.14	142.62	28.19	-0.52	-746.24	5,322.81	9,603.05	9,540.36	62.69	153.186		
12,100.00	7,119.46	6,485.43	6,478.23	145.39	28.19	-0.52	-746.25	5,322.75	9,702.71	9,639.96	62.74	154.641		
12,200.00	7,117.64	6,484.54	6,477.34	148.16	28.19	-0.52	-746.26	5,322.69	9,802.38	9,739.58	62.80	156.091		
12,300.00	7,115.83	6,483.67	6,476.47	150.94	28.18	-0.52	-746.26	5,322.64	9,902.05	9,839.19	62.86	157.536		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.89	-545.15	5,287.57	5,315.65					
100.00	100.00	87.21	87.21	3.28	3.29	95.89	-545.14	5,287.49	5,315.53	5,308.96	6.57	809.025		
200.00	200.00	186.87	186.87	3.34	3.34	95.88	-544.93	5,287.33	5,315.35	5,308.67	6.68	795.769		
300.00	300.00	286.88	286.88	3.44	3.45	95.88	-544.39	5,287.19	5,315.15	5,308.26	6.90	770.561		
400.00	399.98	389.48	389.48	3.60	3.62	-40.16	-544.08	5,287.08	5,313.68	5,306.47	7.21	736.554		
500.00	499.84	506.79	506.79	3.79	3.86	-40.25	-544.28	5,286.47	5,309.16	5,301.52	7.65	694.324		
600.00	599.45	588.61	588.60	4.03	4.05	-40.39	-544.49	5,286.07	5,302.06	5,293.98	8.07	656.608		
700.00	698.70	648.00	647.99	4.30	4.21	-40.57	-544.02	5,286.11	5,292.82	5,284.32	8.50	622.711		
790.00	787.61	714.29	714.27	4.57	4.39	-40.79	-542.72	5,286.64	5,282.77	5,273.82	8.96	589.885		
800.00	797.47	720.55	720.52	4.60	4.41	-40.80	-542.56	5,286.72	5,281.57	5,272.57	9.01	586.379		
900.00	896.01	818.88	818.76	4.94	4.70	-40.96	-538.79	5,288.21	5,269.77	5,260.14	9.63	547.351		
1,000.00	994.55	908.95	908.62	5.30	4.99	-41.13	-532.84	5,289.72	5,257.92	5,247.65	10.27	512.080		
1,100.00	1,093.09	995.13	994.38	5.68	5.29	-41.33	-524.53	5,291.60	5,246.36	5,235.43	10.93	479.874		
1,200.00	1,191.63	1,089.30	1,087.85	6.08	5.63	-41.57	-513.35	5,293.98	5,235.04	5,223.37	11.66	448.934		
1,300.00	1,290.17	1,180.00	1,177.74	6.49	5.98	-41.82	-501.48	5,296.39	5,223.85	5,211.44	12.41	421.032		
1,400.00	1,388.71	1,357.55	1,353.71	6.91	6.71	-42.30	-478.16	5,299.72	5,211.96	5,198.43	13.53	385.091		
1,500.00	1,487.25	1,537.92	1,532.79	7.34	7.47	-42.76	-456.63	5,300.06	5,198.63	5,183.92	14.71	353.462		
1,600.00	1,585.79	1,618.25	1,612.59	7.77	7.82	-42.96	-447.55	5,299.66	5,184.87	5,169.39	15.48	334.931		
1,700.00	1,684.34	1,670.00	1,663.89	8.22	8.05	-43.11	-440.72	5,299.69	5,171.72	5,155.58	16.14	320.366		
1,800.00	1,782.88	1,725.54	1,718.88	8.66	8.30	-43.26	-432.96	5,300.21	5,159.47	5,142.64	16.83	306.479		
1,900.00	1,881.42	1,762.00	1,754.99	9.12	8.47	-43.37	-427.93	5,300.91	5,148.34	5,130.89	17.45	295.091		
2,000.00	1,979.96	1,824.38	1,816.69	9.57	8.76	-43.55	-418.92	5,302.71	5,138.16	5,119.98	18.18	282.559		
2,100.00	2,078.50	1,977.92	1,968.26	10.03	9.49	-44.02	-394.85	5,306.99	5,127.87	5,108.51	19.36	264.884		
2,200.00	2,177.04	2,038.00	2,027.66	10.49	9.78	-44.20	-385.95	5,308.72	5,117.81	5,097.71	20.10	254.594		
2,300.00	2,275.58	2,076.94	2,066.16	10.95	9.97	-44.31	-380.39	5,310.20	5,108.70	5,087.96	20.75	246.249		
2,400.00	2,374.12	2,400.00	2,171.65	11.42	11.53	-44.62	-365.68	5,314.63	5,100.27	5,077.52	22.75	224.174		
2,500.00	2,472.66	2,265.57	2,252.90	11.89	10.88	-44.85	-354.75	5,317.64	5,091.53	5,068.96	22.56	225.661		
2,600.00	2,571.20	2,315.00	2,301.83	12.36	11.11	-44.99	-348.20	5,320.05	5,083.89	5,060.63	23.26	218.551		
2,700.00	2,669.74	2,438.36	2,423.91	12.83	11.72	-45.35	-331.32	5,325.48	5,075.95	5,051.63	24.32	208.704		
2,800.00	2,768.28	2,499.00	2,483.80	13.30	12.02	-45.53	-322.48	5,328.86	5,069.12	5,044.04	25.08	202.082		
2,900.00	2,866.83	2,627.83	2,611.07	13.78	12.66	-45.92	-303.77	5,335.87	5,062.73	5,036.54	26.19	193.337		
3,000.00	2,965.37	2,754.06	2,735.93	14.25	13.29	-46.30	-286.03	5,341.19	5,055.09	5,027.81	27.27	185.340		
3,100.00	3,063.91	2,910.75	2,891.37	14.73	14.05	-46.73	-267.08	5,346.51	5,046.76	5,018.28	28.49	177.166		
3,200.00	3,162.45	3,115.95	3,096.08	15.20	14.95	-47.16	-254.29	5,350.30	5,036.99	5,007.17	29.82	168.886		
3,300.00	3,260.99	3,242.25	3,222.37	15.68	15.43	-47.34	-254.58	5,351.07	5,025.96	4,995.20	30.76	163.383		
3,400.00	3,359.53	3,395.14	3,375.23	16.16	15.97	-47.53	-257.40	5,350.59	5,013.95	4,982.19	31.76	157.888		
3,500.00	3,458.07	3,517.48	3,497.56	16.64	16.43	-47.70	-258.31	5,349.44	5,001.44	4,968.77	32.67	153.079		
3,600.00	3,556.61	3,614.99	3,595.06	17.12	16.81	-47.84	-258.16	5,347.90	4,988.34	4,954.82	33.52	148.816		
3,700.00	3,655.15	3,675.00	3,655.07	17.60	17.04	-47.93	-257.93	5,347.56	4,976.16	4,941.92	34.24	145.320		
3,800.00	3,753.69	3,778.10	3,758.16	18.08	17.45	-48.09	-257.39	5,347.34	4,964.49	4,929.37	35.12	141.340		
3,900.00	3,852.23	3,907.16	3,887.22	18.56	17.96	-48.28	-257.09	5,346.03	4,952.00	4,915.90	36.09	137.202		
4,000.00	3,950.77	3,999.47	3,979.52	19.04	18.33	-48.43	-256.76	5,344.98	4,939.47	4,902.54	36.93	133.738		
4,100.00	4,049.31	4,093.30	4,073.34	19.52	18.70	-48.57	-256.66	5,344.05	4,927.11	4,889.33	37.78	130.419		
4,200.00	4,147.86	4,174.41	4,154.46	20.00	19.02	-48.68	-257.08	5,343.39	4,914.95	4,876.37	38.58	127.411		
4,300.00	4,246.40	4,254.65	4,234.69	20.49	19.33	-48.80	-257.63	5,343.10	4,903.23	4,863.87	39.37	124.550		
4,400.00	4,344.94	4,337.28	4,317.32	20.97	19.65	-48.92	-257.83	5,343.05	4,891.86	4,851.70	40.17	121.779		
4,500.00	4,443.48	4,425.21	4,405.25	21.45	19.99	-49.05	-257.94	5,343.27	4,880.85	4,839.86	40.99	119.062		
4,600.00	4,542.02	4,523.26	4,503.30	21.94	20.38	-49.20	-258.08	5,343.58	4,869.93	4,828.07	41.86	116.347		
4,700.00	4,640.56	4,595.86	4,575.90	22.42	20.67	-49.31	-258.05	5,343.90	4,859.21	4,816.57	42.63	113.974		
4,800.00	4,739.10	4,656.00	4,636.03	22.91	20.91	-49.41	-257.54	5,344.71	4,849.37	4,806.00	43.37	111.815		
4,900.00	4,837.64	4,736.28	4,716.28	23.39	21.25	-49.55	-256.06	5,346.22	4,840.17	4,795.98	44.19	109.535		
5,000.00	4,936.18	4,865.96	4,845.89	23.87	21.80	-49.79	-252.36	5,347.98	4,830.54	4,785.33	45.20	106.860		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,100.00	5,034.72	5,031.80	5,011.69	24.36	22.46	-50.03	-253.82	5,349.93	4,820.88	4,774.57	46.31	104.090		
5,200.00	5,133.26	5,159.24	5,139.10	24.84	22.96	-50.19	-256.86	5,349.70	4,809.52	4,762.25	47.27	101.745		
5,300.00	5,231.80	5,269.50	5,249.33	25.33	23.39	-50.34	-259.01	5,349.02	4,797.81	4,749.63	48.17	99.596		
5,400.00	5,330.34	5,389.15	5,368.96	25.82	23.86	-50.51	-261.15	5,347.85	4,785.76	4,736.65	49.11	97.450		
5,500.00	5,428.89	5,483.69	5,463.49	26.30	24.24	-50.64	-262.26	5,346.74	4,773.60	4,723.63	49.97	95.532		
5,600.00	5,527.43	5,563.35	5,543.14	26.79	24.56	-50.76	-263.20	5,345.92	4,761.63	4,710.85	50.78	93.772		
5,700.00	5,625.97	5,617.35	5,597.13	27.27	24.77	-50.83	-264.24	5,345.82	4,750.43	4,698.93	51.50	92.242		
5,800.00	5,724.51	5,700.44	5,680.18	27.76	25.10	-50.94	-266.50	5,346.34	4,740.00	4,687.68	52.32	90.601		
5,900.00	5,823.05	5,846.56	5,826.24	28.24	25.68	-51.12	-270.89	5,346.73	4,729.25	4,675.90	53.35	88.649		
6,000.00	5,921.59	6,008.30	5,987.92	28.73	26.33	-51.34	-274.62	5,345.10	4,717.32	4,662.89	54.43	86.668		
6,100.00	6,020.13	6,098.24	6,077.84	29.22	26.70	-51.47	-276.03	5,343.57	4,704.78	4,649.50	55.28	85.104		
6,200.00	6,118.67	6,161.24	6,140.82	29.70	26.95	-51.57	-276.67	5,342.78	4,692.75	4,636.70	56.05	83.727		
6,300.00	6,217.21	6,262.00	6,241.57	30.19	27.37	-51.72	-277.54	5,341.56	4,680.80	4,623.86	56.94	82.205		
6,400.00	6,315.75	6,326.25	6,305.81	30.68	27.63	-51.82	-278.32	5,340.94	4,669.26	4,611.55	57.71	80.911		
6,500.00	6,414.29	6,379.31	6,358.87	31.16	27.85	-51.90	-278.74	5,341.13	4,658.90	4,600.46	58.44	79.726		
6,582.51	6,495.60	6,441.00	6,420.56	31.57	28.10	-52.00	-279.03	5,341.84	4,651.03	4,591.93	59.10	78.700		
6,600.00	6,512.86	6,441.00	6,420.56	31.65	28.10	-59.51	-279.03	5,341.84	4,649.65	4,590.46	59.19	78.555		
6,635.65	6,548.16	6,441.00	6,420.56	31.81	28.10	-80.02	-279.03	5,341.84	4,648.52	4,589.15	59.37	78.298 CC, ES		
6,650.00	6,562.39	6,441.00	6,420.56	31.88	28.10	-89.91	-279.03	5,341.84	4,648.70	4,589.26	59.44	78.208		
6,700.00	6,611.96	6,441.00	6,420.56	32.08	28.10	-122.77	-279.03	5,341.84	4,652.20	4,592.54	59.67	77.971		
6,750.00	6,661.26	6,478.45	6,457.99	32.27	28.26	-143.60	-279.03	5,342.85	4,659.53	4,599.51	60.01	77.643		
6,800.00	6,709.99	6,490.64	6,470.17	32.44	28.31	-155.00	-278.98	5,343.37	4,671.34	4,611.10	60.24	77.548		
6,850.00	6,757.84	6,530.00	6,509.46	32.61	28.47	-161.77	-278.63	5,345.66	4,687.60	4,627.05	60.56	77.410 SF		
6,900.00	6,804.53	6,530.00	6,509.46	32.77	28.47	-166.12	-278.63	5,345.66	4,707.33	4,646.64	60.69	77.560		
6,950.00	6,849.77	6,530.00	6,509.46	32.92	28.47	-169.18	-278.63	5,345.66	4,731.01	4,670.20	60.81	77.800		
7,000.00	6,893.27	6,530.00	6,509.46	33.07	28.47	-171.49	-278.63	5,345.66	4,758.44	4,697.53	60.91	78.126		
7,050.00	6,934.77	6,530.00	6,509.46	33.23	28.47	-173.35	-278.63	5,345.66	4,789.39	4,728.40	60.99	78.533		
7,100.00	6,974.01	6,530.00	6,509.46	33.39	28.47	-174.95	-278.63	5,345.66	4,823.59	4,762.54	61.05	79.013		
7,150.00	7,010.75	6,530.00	6,509.46	33.55	28.47	-176.42	-278.63	5,345.66	4,860.78	4,799.68	61.09	79.561		
7,200.00	7,044.77	6,530.00	6,509.46	33.72	28.47	-177.87	-278.63	5,345.66	4,900.65	4,839.53	61.13	80.169		
7,250.00	7,075.85	6,530.00	6,509.46	33.92	28.47	-179.43	-278.63	5,345.66	4,942.91	4,881.76	61.15	80.830		
7,300.00	7,103.80	6,530.00	6,509.46	34.13	28.47	178.75	-278.63	5,345.66	4,987.23	4,926.06	61.17	81.537		
7,350.00	7,128.45	6,530.00	6,509.46	34.38	28.47	176.39	-278.63	5,345.66	5,033.28	4,972.11	61.17	82.281		
7,400.00	7,149.65	6,530.00	6,509.46	34.67	28.47	172.95	-278.63	5,345.66	5,080.75	5,019.58	61.17	83.054		
7,450.00	7,167.26	6,530.00	6,509.46	35.00	28.47	167.14	-278.63	5,345.66	5,129.30	5,068.13	61.17	83.848		
7,500.00	7,181.19	6,530.00	6,509.46	35.38	28.47	154.93	-278.63	5,345.66	5,178.61	5,117.44	61.17	84.656		
7,550.00	7,191.34	6,567.94	6,547.23	35.81	28.63	125.50	-278.11	5,349.23	5,227.31	5,165.95	61.37	85.182		
7,600.00	7,197.65	6,568.00	6,547.28	36.28	28.63	66.69	-278.11	5,349.24	5,277.18	5,215.81	61.37	85.989		
7,650.00	7,200.08	6,530.00	6,509.46	36.80	28.47	35.59	-278.63	5,345.66	5,327.91	5,266.72	61.19	87.074		
7,667.87	7,200.00	6,530.00	6,509.46	36.99	28.47	31.06	-278.63	5,345.66	5,345.56	5,284.37	61.19	87.356		
7,700.00	7,199.42	6,530.00	6,509.46	37.35	28.47	31.06	-278.63	5,345.66	5,377.24	5,316.04	61.20	87.858		
7,800.00	7,197.60	6,530.00	6,509.46	38.62	28.47	31.06	-278.63	5,345.66	5,475.89	5,414.65	61.24	89.417		
7,900.00	7,195.78	6,530.00	6,509.46	40.06	28.47	31.06	-278.63	5,345.66	5,574.58	5,513.30	61.28	90.972		
8,000.00	7,193.97	6,530.00	6,509.46	41.66	28.47	31.06	-278.63	5,345.66	5,673.31	5,612.00	61.32	92.525		
8,100.00	7,192.15	6,530.00	6,509.46	43.40	28.47	31.06	-278.63	5,345.66	5,772.09	5,710.73	61.36	94.074		
8,200.00	7,190.33	6,530.00	6,509.46	45.25	28.47	31.06	-278.63	5,345.66	5,870.91	5,809.51	61.40	95.621		
8,300.00	7,188.51	6,530.00	6,509.46	47.20	28.47	31.06	-278.63	5,345.66	5,969.77	5,908.33	61.44	97.165		
8,400.00	7,186.70	6,530.00	6,509.46	49.25	28.47	31.06	-278.63	5,345.66	6,068.67	6,007.19	61.48	98.705		
8,500.00	7,184.88	6,530.00	6,509.46	51.37	28.47	31.06	-278.63	5,345.66	6,167.60	6,106.08	61.53	100.243		
8,600.00	7,183.06	6,530.00	6,509.46	53.56	28.47	31.06	-278.63	5,345.66	6,266.57	6,205.00	61.57	101.778		
8,700.00	7,181.24	6,530.00	6,509.46	55.81	28.47	31.06	-278.63	5,345.66	6,365.57	6,303.95	61.62	103.309		
8,800.00	7,179.43	6,530.00	6,509.46	58.11	28.47	31.06	-278.63	5,345.66	6,464.60	6,402.94	61.66	104.838		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	6,530.00	6,509.46	60.46	28.47	31.06	-278.63	5,345.66	6,563.66	6,501.95	61.71	106.363		
9,000.00	7,175.79	6,530.00	6,509.46	62.85	28.47	31.06	-278.63	5,345.66	6,662.75	6,600.99	61.76	107.885		
9,100.00	7,173.98	6,530.00	6,509.46	65.28	28.47	31.06	-278.63	5,345.66	6,761.86	6,700.06	61.81	109.405		
9,200.00	7,172.16	6,530.00	6,509.46	67.74	28.47	31.06	-278.63	5,345.66	6,861.00	6,799.15	61.86	110.920		
9,300.00	7,170.34	6,530.00	6,509.46	70.23	28.47	31.06	-278.63	5,345.66	6,960.17	6,898.26	61.90	112.433		
9,400.00	7,168.52	6,530.00	6,509.46	72.74	28.47	31.06	-278.63	5,345.66	7,059.36	6,997.40	61.96	113.942		
9,500.00	7,166.71	6,530.00	6,509.46	75.28	28.47	31.06	-278.63	5,345.66	7,158.57	7,096.56	62.01	115.449		
9,600.00	7,164.89	6,530.00	6,509.46	77.84	28.47	31.06	-278.63	5,345.66	7,257.80	7,195.74	62.06	116.951		
9,700.00	7,163.07	6,530.00	6,509.46	80.43	28.47	31.06	-278.63	5,345.66	7,357.05	7,294.94	62.11	118.451		
9,800.00	7,161.26	6,530.00	6,509.46	83.02	28.47	31.06	-278.63	5,345.66	7,456.33	7,394.16	62.16	119.947		
9,900.00	7,159.44	6,530.00	6,509.46	85.64	28.47	31.06	-278.63	5,345.66	7,555.62	7,493.40	62.22	121.439		
10,000.00	7,157.62	6,530.00	6,509.46	88.27	28.47	31.06	-278.63	5,345.66	7,654.93	7,592.66	62.27	122.928		
10,100.00	7,155.80	6,530.00	6,509.46	90.91	28.47	31.06	-278.63	5,345.66	7,754.26	7,691.93	62.33	124.414		
10,200.00	7,153.99	6,530.00	6,509.46	93.56	28.47	31.06	-278.63	5,345.66	7,853.60	7,791.22	62.38	125.896		
10,300.00	7,152.17	6,530.00	6,509.46	96.23	28.47	31.06	-278.63	5,345.66	7,952.97	7,890.53	62.44	127.374		
10,400.00	7,150.35	6,530.00	6,509.46	98.90	28.47	31.06	-278.63	5,345.66	8,052.34	7,989.85	62.49	128.849		
10,500.00	7,148.54	6,530.00	6,509.46	101.59	28.47	31.06	-278.63	5,345.66	8,151.74	8,089.18	62.55	130.320		
10,600.00	7,146.72	6,530.00	6,509.46	104.28	28.47	31.06	-278.63	5,345.66	8,251.14	8,188.53	62.61	131.787		
10,700.00	7,144.90	6,530.00	6,509.46	106.98	28.47	31.06	-278.63	5,345.66	8,350.57	8,287.90	62.67	133.251		
10,800.00	7,143.08	6,530.00	6,509.46	109.69	28.47	31.06	-278.63	5,345.66	8,450.00	8,387.27	62.73	134.711		
10,900.00	7,141.27	6,530.00	6,509.46	112.41	28.47	31.06	-278.63	5,345.66	8,549.45	8,486.66	62.79	136.167		
11,000.00	7,139.45	6,530.00	6,509.46	115.13	28.47	31.06	-278.63	5,345.66	8,648.91	8,586.07	62.85	137.619		
11,100.00	7,137.63	6,530.00	6,509.46	117.86	28.47	31.06	-278.63	5,345.66	8,748.39	8,685.48	62.91	139.067		
11,200.00	7,135.82	6,530.00	6,509.46	120.59	28.47	31.06	-278.63	5,345.66	8,847.87	8,784.90	62.97	140.512		
11,300.00	7,134.00	6,530.00	6,509.46	123.33	28.47	31.06	-278.63	5,345.66	8,947.37	8,884.34	63.03	141.952		
11,400.00	7,132.18	6,530.00	6,509.46	126.07	28.47	31.06	-278.63	5,345.66	9,046.88	8,983.78	63.09	143.388		
11,500.00	7,130.36	6,530.00	6,509.46	128.82	28.47	31.06	-278.63	5,345.66	9,146.40	9,083.24	63.16	144.821		
11,600.00	7,128.55	6,530.00	6,509.46	131.57	28.47	31.06	-278.63	5,345.66	9,245.92	9,182.70	63.22	146.249		
11,700.00	7,126.73	6,530.00	6,509.46	134.33	28.47	31.06	-278.63	5,345.66	9,345.46	9,282.18	63.28	147.673		
11,800.00	7,124.91	6,530.00	6,509.46	137.09	28.47	31.06	-278.63	5,345.66	9,445.01	9,381.66	63.35	149.093		
11,900.00	7,123.10	6,530.00	6,509.46	139.85	28.47	31.06	-278.63	5,345.66	9,544.57	9,481.16	63.42	150.509		
12,000.00	7,121.28	6,530.00	6,509.46	142.62	28.47	31.06	-278.63	5,345.66	9,644.14	9,580.66	63.48	151.920		
12,100.00	7,119.46	6,530.00	6,509.46	145.39	28.47	31.06	-278.63	5,345.66	9,743.72	9,680.17	63.55	153.328		
12,200.00	7,117.64	6,530.00	6,509.46	148.16	28.47	31.06	-278.63	5,345.66	9,843.30	9,779.68	63.62	154.731		
12,300.00	7,115.83	6,530.00	6,509.46	150.94	28.47	31.06	-278.63	5,345.66	9,942.89	9,879.21	63.68	156.130		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	96.02	-553.17	5,248.32	5,277.45					
100.00	100.00	131.33	131.33	3.28	3.29	96.02	-553.49	5,247.61	5,277.00	5,270.42	6.58	802.235		
200.00	200.00	228.65	228.64	3.34	3.34	96.03	-553.80	5,246.42	5,275.82	5,269.15	6.68	790.360		
300.00	300.00	296.26	296.25	3.44	3.40	96.02	-553.14	5,246.01	5,275.12	5,268.27	6.85	770.264		
400.00	399.98	364.00	363.96	3.60	3.49	-40.03	-551.48	5,246.21	5,273.80	5,266.71	7.09	743.973		
500.00	499.84	430.77	430.66	3.79	3.60	-40.13	-548.62	5,246.96	5,270.42	5,263.03	7.39	713.113		
600.00	599.45	509.10	508.82	4.03	3.76	-40.30	-543.70	5,248.32	5,264.85	5,257.07	7.78	676.686		
700.00	698.70	607.88	607.31	4.30	3.99	-40.57	-536.30	5,250.44	5,256.93	5,248.64	8.29	634.450		
790.00	787.61	691.13	690.26	4.57	4.22	-40.86	-529.48	5,252.16	5,247.47	5,238.68	8.79	597.245		
800.00	797.47	698.74	697.84	4.60	4.24	-40.88	-528.83	5,252.33	5,246.31	5,237.47	8.84	593.354		
900.00	896.01	785.16	783.87	4.94	4.50	-41.07	-520.97	5,254.48	5,235.02	5,225.58	9.43	554.942		
1,000.00	994.55	893.39	891.48	5.30	4.87	-41.33	-509.73	5,257.28	5,223.79	5,213.64	10.15	514.793		
1,100.00	1,093.09	1,001.65	998.93	5.68	5.27	-41.61	-496.83	5,259.92	5,212.38	5,201.47	10.91	477.648		
1,200.00	1,191.63	1,140.13	1,136.34	6.08	5.81	-41.97	-479.87	5,262.76	5,200.72	5,188.88	11.84	439.292		
1,300.00	1,290.17	1,238.00	1,233.39	6.49	6.22	-42.23	-467.27	5,264.04	5,188.36	5,175.72	12.64	410.470		
1,400.00	1,388.71	1,319.16	1,313.85	6.91	6.56	-42.45	-456.77	5,265.54	5,176.62	5,163.23	13.39	386.493		
1,500.00	1,487.25	1,685.71	1,677.71	7.34	8.16	-43.40	-413.41	5,261.87	5,161.83	5,146.44	15.38	335.603		
1,600.00	1,585.79	1,761.00	1,752.58	7.77	8.49	-43.59	-405.90	5,259.20	5,145.34	5,129.21	16.13	318.954		
1,700.00	1,684.34	1,800.69	1,792.06	8.22	8.66	-43.68	-401.95	5,258.09	5,129.74	5,113.00	16.74	306.395		
1,800.00	1,782.88	1,853.00	1,844.13	8.66	8.89	-43.81	-397.04	5,257.54	5,115.56	5,098.15	17.41	293.786		
1,900.00	1,881.42	1,881.41	1,872.41	9.12	9.02	-43.87	-394.36	5,257.55	5,102.40	5,084.41	17.99	283.646		
2,000.00	1,979.96	1,958.93	1,949.48	9.57	9.37	-44.07	-386.01	5,257.92	5,090.06	5,071.28	18.78	270.991		
2,100.00	2,078.50	2,170.32	2,159.56	10.03	10.34	-44.62	-362.75	5,255.59	5,075.66	5,055.48	20.18	251.545		
2,200.00	2,177.04	2,222.00	2,210.88	10.49	10.58	-44.76	-356.67	5,255.29	5,062.19	5,041.32	20.88	242.474		
2,300.00	2,275.58	2,300.00	2,280.95	10.95	10.94	-44.94	-348.96	5,255.10	5,049.38	5,027.68	21.70	232.733		
2,400.00	2,374.12	2,444.35	2,431.86	11.42	11.61	-45.34	-332.15	5,253.44	5,035.78	5,012.97	22.81	220.768		
2,500.00	2,472.66	2,519.93	2,506.99	11.89	11.97	-45.54	-323.97	5,252.46	5,022.27	4,998.64	23.63	212.572		
2,600.00	2,571.20	2,570.62	2,557.36	12.36	12.20	-45.67	-318.33	5,252.21	5,009.61	4,985.28	24.33	205.870		
2,700.00	2,669.74	2,679.52	2,665.51	12.83	12.72	-45.97	-305.50	5,252.26	4,997.59	4,972.28	25.31	197.454		
2,800.00	2,768.28	2,818.19	2,803.18	13.30	13.39	-46.36	-288.93	5,251.30	4,984.96	4,958.53	26.43	188.638		
2,900.00	2,866.83	2,948.17	2,932.32	13.78	14.00	-46.71	-274.37	5,249.36	4,971.65	4,944.15	27.50	180.806		
3,000.00	2,965.37	3,011.84	2,995.60	14.25	14.31	-46.88	-267.43	5,248.37	4,958.42	4,930.15	28.28	175.359		
3,100.00	3,063.91	3,090.57	3,073.78	14.73	14.68	-47.10	-258.12	5,247.74	4,945.98	4,916.86	29.12	169.821		
3,200.00	3,162.45	3,162.30	3,145.07	15.20	15.03	-47.30	-250.19	5,247.19	4,933.77	4,903.82	29.94	164.769		
3,300.00	3,260.99	3,204.95	3,187.44	15.68	15.23	-47.42	-245.34	5,247.30	4,922.60	4,891.97	30.63	160.709		
3,400.00	3,359.53	3,305.21	3,287.04	16.16	15.71	-47.70	-233.92	5,248.35	4,912.32	4,880.74	31.58	155.551		
3,500.00	3,458.07	3,417.38	3,398.65	16.64	16.24	-47.99	-222.79	5,248.92	4,901.57	4,868.99	32.57	150.472		
3,600.00	3,556.61	3,478.73	3,459.71	17.12	16.52	-48.15	-216.78	5,249.43	4,891.23	4,857.89	33.34	146.697		
3,700.00	3,655.15	3,603.96	3,584.21	17.60	17.12	-48.49	-203.36	5,250.71	4,881.27	4,846.86	34.40	141.883		
3,800.00	3,753.69	3,673.00	3,652.89	18.08	17.44	-48.68	-196.36	5,250.87	4,870.75	4,835.54	35.21	138.330		
3,900.00	3,852.23	3,732.98	3,712.56	18.56	17.73	-48.84	-190.26	5,251.40	4,861.05	4,825.07	35.98	135.111		
4,000.00	3,950.77	3,780.78	3,760.02	19.04	17.96	-48.98	-184.78	5,252.62	4,852.80	4,816.11	36.69	132.266		
4,100.00	4,049.31	3,891.32	3,869.70	19.52	18.50	-49.30	-171.39	5,255.71	4,845.03	4,807.33	37.70	128.503		
4,200.00	4,147.86	4,025.79	4,003.08	20.00	19.16	-49.70	-154.42	5,258.53	4,836.73	4,797.89	38.84	124.539		
4,300.00	4,246.40	4,181.68	4,158.07	20.49	19.91	-50.14	-137.97	5,260.39	4,827.52	4,787.47	40.04	120.556		
4,400.00	4,344.94	4,266.06	4,242.02	20.97	20.30	-50.37	-129.45	5,260.97	4,817.96	4,777.03	40.92	117.729		
4,500.00	4,443.48	4,327.72	4,303.35	21.45	20.60	-50.54	-123.11	5,261.72	4,809.03	4,767.33	41.70	115.312		
4,600.00	4,542.02	4,386.00	4,361.27	21.94	20.88	-50.70	-116.77	5,262.94	4,801.06	4,758.59	42.47	113.049		
4,700.00	4,640.56	4,600.41	4,574.80	22.42	21.87	-51.26	-97.80	5,265.66	4,792.16	4,748.24	43.91	109.130		
4,800.00	4,739.10	4,724.47	4,698.46	22.91	22.44	-51.58	-87.85	5,265.37	4,781.89	4,736.95	44.95	106.390		
4,900.00	4,837.64	4,781.53	4,755.36	23.39	22.70	-51.72	-83.63	5,265.36	4,771.97	4,726.26	45.70	104.413		
5,000.00	4,936.18	4,832.00	4,805.63	23.87	22.93	-51.85	-79.21	5,265.85	4,763.13	4,716.70	46.43	102.590		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,100.00	5,034.72	4,949.24	4,922.35	24.36	23.48	-52.17	-68.22	5,267.21	4,754.68	4,707.23	47.45	100.199		
5,200.00	5,133.26	5,284.95	5,257.49	24.84	24.91	-52.91	-53.31	5,262.89	4,742.95	4,693.73	49.23	96.351		
5,300.00	5,231.80	5,367.06	5,339.56	25.33	25.22	-53.05	-52.97	5,260.43	4,729.67	4,679.63	50.03	94.531		
5,400.00	5,330.34	5,457.00	5,429.46	25.82	25.57	-53.21	-52.76	5,257.85	4,716.54	4,665.68	50.86	92.728		
5,500.00	5,428.89	5,530.59	5,503.03	26.30	25.85	-53.33	-52.78	5,256.02	4,703.83	4,652.19	51.64	91.084		
5,600.00	5,527.43	5,609.64	5,582.06	26.79	26.14	-53.46	-53.19	5,254.63	4,691.75	4,639.32	52.44	89.477		
5,700.00	5,625.97	5,703.21	5,675.62	27.27	26.50	-53.62	-53.57	5,253.19	4,679.97	4,626.69	53.27	87.848		
5,800.00	5,724.51	5,831.78	5,804.18	27.76	26.99	-53.83	-54.09	5,250.90	4,667.99	4,613.77	54.22	86.092		
5,900.00	5,823.05	5,940.69	5,913.05	28.24	27.40	-54.01	-55.16	5,248.43	4,655.48	4,600.38	55.10	84.485		
6,000.00	5,921.59	5,992.00	5,964.34	28.73	27.59	-54.09	-55.99	5,247.31	4,643.23	4,587.41	55.81	83.191		
6,100.00	6,020.13	6,047.85	6,020.18	29.22	27.81	-54.18	-56.57	5,246.58	4,631.94	4,575.40	56.54	81.922		
6,200.00	6,118.67	6,082.00	6,054.33	29.70	27.94	-54.24	-56.50	5,246.60	4,622.04	4,564.85	57.19	80.817		
6,300.00	6,217.21	6,132.41	6,104.74	30.19	28.14	-54.33	-56.35	5,247.23	4,613.37	4,555.48	57.89	79.690		
6,400.00	6,315.75	6,193.74	6,166.04	30.68	28.38	-54.42	-56.64	5,248.88	4,605.87	4,547.24	58.62	78.565		
6,500.00	6,414.29	6,260.00	6,232.28	31.16	28.63	-54.53	-56.88	5,250.58	4,598.59	4,539.22	59.37	77.457		
6,582.51	6,495.60	6,260.00	6,232.28	31.57	28.63	-54.53	-56.88	5,250.58	4,593.97	4,534.20	59.77	76.855		
6,600.00	6,512.86	6,260.00	6,232.28	31.65	28.63	-62.04	-56.88	5,250.58	4,593.42	4,533.57	59.86	76.739		
6,608.98	6,521.74	6,260.00	6,232.28	31.69	28.63	-66.55	-56.88	5,250.58	4,593.35	4,533.45	59.90	76.686 CC, ES		
6,650.00	6,562.39	6,260.00	6,232.28	31.88	28.63	-92.46	-56.88	5,250.58	4,594.85	4,534.77	60.08	76.479		
6,700.00	6,611.96	6,260.00	6,232.28	32.08	28.63	-125.37	-56.88	5,250.58	4,600.69	4,540.42	60.28	76.327		
6,750.00	6,661.26	6,260.00	6,232.28	32.27	28.63	-146.20	-56.88	5,250.58	4,610.92	4,550.47	60.44	76.285		
6,800.00	6,709.99	6,260.00	6,232.28	32.44	28.63	-157.67	-56.88	5,250.58	4,625.42	4,564.84	60.58	76.347		
6,850.00	6,757.84	6,300.64	6,272.83	32.61	28.79	-164.53	-57.07	5,253.11	4,642.33	4,581.44	60.88	76.248 SF		
6,900.00	6,804.53	6,305.17	6,277.33	32.77	28.80	-169.02	-57.10	5,253.59	4,664.56	4,603.55	61.01	76.456		
6,950.00	6,849.77	6,309.46	6,281.60	32.92	28.82	-172.26	-57.14	5,254.08	4,690.57	4,629.46	61.12	76.750		
7,000.00	6,893.27	6,349.00	6,320.63	33.07	28.97	-174.79	-57.62	5,260.30	4,721.48	4,660.11	61.37	76.936		
7,050.00	6,934.77	6,349.00	6,320.63	33.23	28.97	-176.91	-57.62	5,260.30	4,754.09	4,692.67	61.43	77.396		
7,100.00	6,974.01	6,349.00	6,320.63	33.39	28.97	-178.85	-57.62	5,260.30	4,789.82	4,728.35	61.47	77.923		
7,150.00	7,010.75	6,349.00	6,320.63	33.55	28.97	-179.25	-57.62	5,260.30	4,828.36	4,766.86	61.50	78.511		
7,200.00	7,044.77	6,349.00	6,320.63	33.72	28.97	-177.22	-57.62	5,260.30	4,869.41	4,807.89	61.52	79.154		
7,250.00	7,075.85	6,349.00	6,320.63	33.92	28.97	-174.86	-57.62	5,260.30	4,912.67	4,851.14	61.53	79.842		
7,300.00	7,103.80	6,349.00	6,320.63	34.13	28.97	-171.89	-57.62	5,260.30	4,957.81	4,896.28	61.53	80.570		
7,350.00	7,128.45	6,349.00	6,320.63	34.38	28.97	-167.78	-57.62	5,260.30	5,004.51	4,942.98	61.53	81.328		
7,400.00	7,149.65	6,349.00	6,320.63	34.67	28.97	-161.46	-57.62	5,260.30	5,052.44	4,990.91	61.53	82.109		
7,450.00	7,167.26	6,349.00	6,320.63	35.00	28.97	-150.41	-57.62	5,260.30	5,101.27	5,039.74	61.53	82.905		
7,500.00	7,181.19	6,349.00	6,320.63	35.38	28.97	-128.55	-57.62	5,260.30	5,150.69	5,089.16	61.53	83.707		
7,550.00	7,191.34	6,349.00	6,320.63	35.81	28.97	-90.41	-57.62	5,260.30	5,200.37	5,138.83	61.54	84.507		
7,600.00	7,197.65	6,349.00	6,320.63	36.28	28.97	-56.82	-57.62	5,260.30	5,250.00	5,188.45	61.55	85.298		
7,650.00	7,200.08	6,349.00	6,320.63	36.80	28.97	-39.48	-57.62	5,260.30	5,299.29	5,237.72	61.57	86.071		
7,667.87	7,200.00	6,349.00	6,320.63	36.99	28.97	-35.67	-57.62	5,260.30	5,316.77	5,255.19	61.58	86.344		
7,700.00	7,199.42	6,349.00	6,320.63	37.35	28.97	-35.67	-57.62	5,260.30	5,348.11	5,286.52	61.59	86.827		
7,800.00	7,197.60	6,349.00	6,320.63	38.62	28.97	-35.67	-57.62	5,260.30	5,445.73	5,384.08	61.66	88.325		
7,900.00	7,195.78	6,349.00	6,320.63	40.06	28.97	-35.67	-57.62	5,260.30	5,543.44	5,481.72	61.72	89.819		
8,000.00	7,193.97	6,349.00	6,320.63	41.66	28.97	-35.67	-57.62	5,260.30	5,641.22	5,579.44	61.78	91.309		
8,100.00	7,192.15	6,349.00	6,320.63	43.40	28.97	-35.67	-57.62	5,260.30	5,739.09	5,677.24	61.85	92.794		
8,200.00	7,190.33	6,349.00	6,320.63	45.25	28.97	-35.67	-57.62	5,260.30	5,837.02	5,775.10	61.92	94.274		
8,300.00	7,188.51	6,349.00	6,320.63	47.20	28.97	-35.67	-57.62	5,260.30	5,935.02	5,873.04	61.98	95.751		
8,400.00	7,186.70	6,349.00	6,320.63	49.25	28.97	-35.67	-57.62	5,260.30	6,033.09	5,971.04	62.05	97.223		
8,500.00	7,184.88	6,349.00	6,320.63	51.37	28.97	-35.67	-57.62	5,260.30	6,131.22	6,069.10	62.12	98.692		
8,600.00	7,183.06	6,349.00	6,320.63	53.56	28.97	-35.67	-57.62	5,260.30	6,229.41	6,167.22	62.20	100.157		
8,700.00	7,181.24	6,349.00	6,320.63	55.81	28.97	-35.67	-57.62	5,260.30	6,327.66	6,265.39	62.27	101.618		
8,800.00	7,179.43	6,349.00	6,320.63	58.11	28.97	-35.67	-57.62	5,260.30	6,425.96	6,363.62	62.34	103.075		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,900.00	7,177.61	6,349.00	6,320.63	60.46	28.97	35.67	-57.62	5,260.30	6,524.31	6,461.90	62.42	104.528		
9,000.00	7,175.79	6,349.00	6,320.63	62.85	28.97	35.67	-57.62	5,260.30	6,622.72	6,560.22	62.49	105.978		
9,100.00	7,173.98	6,349.00	6,320.63	65.28	28.97	35.67	-57.62	5,260.30	6,721.17	6,658.60	62.57	107.424		
9,200.00	7,172.16	6,349.00	6,320.63	67.74	28.97	35.67	-57.62	5,260.30	6,819.66	6,757.02	62.64	108.866		
9,300.00	7,170.34	6,349.00	6,320.63	70.23	28.97	35.67	-57.62	5,260.30	6,918.20	6,855.48	62.72	110.305		
9,400.00	7,168.52	6,349.00	6,320.63	72.74	28.97	35.67	-57.62	5,260.30	7,016.78	6,953.98	62.80	111.740		
9,500.00	7,166.71	6,349.00	6,320.63	75.28	28.97	35.67	-57.62	5,260.30	7,115.39	7,052.52	62.87	113.171		
9,600.00	7,164.89	6,349.00	6,320.63	77.84	28.97	35.67	-57.62	5,260.30	7,214.05	7,151.10	62.95	114.599		
9,700.00	7,163.07	6,349.00	6,320.63	80.43	28.97	35.67	-57.62	5,260.30	7,312.74	7,249.72	63.03	116.023		
9,800.00	7,161.26	6,349.00	6,320.63	83.02	28.97	35.67	-57.62	5,260.30	7,411.47	7,348.37	63.11	117.444		
9,900.00	7,159.44	6,307.76	6,279.90	85.64	28.81	34.57	-57.12	5,253.88	7,508.48	7,445.45	63.04	119.116		
10,000.00	7,157.62	6,306.90	6,279.06	88.27	28.81	34.55	-57.12	5,253.78	7,607.21	7,544.09	63.11	120.534		
10,100.00	7,155.80	6,306.07	6,278.23	90.91	28.81	34.53	-57.11	5,253.69	7,705.96	7,642.77	63.19	121.948		
10,200.00	7,153.99	6,305.26	6,277.42	93.56	28.81	34.51	-57.10	5,253.60	7,804.74	7,741.48	63.27	123.358		
10,300.00	7,152.17	6,304.47	6,276.63	96.23	28.80	34.48	-57.10	5,253.51	7,903.56	7,840.21	63.35	124.765		
10,400.00	7,150.35	6,303.69	6,275.87	98.90	28.80	34.46	-57.09	5,253.43	8,002.40	7,938.97	63.43	126.168		
10,500.00	7,148.54	6,302.94	6,275.11	101.59	28.80	34.44	-57.08	5,253.35	8,101.27	8,037.76	63.51	127.567		
10,600.00	7,146.72	6,302.20	6,274.38	104.28	28.79	34.42	-57.08	5,253.27	8,200.16	8,136.58	63.59	128.962		
10,700.00	7,144.90	6,301.48	6,273.66	106.98	28.79	34.41	-57.07	5,253.19	8,299.08	8,235.42	63.67	130.354		
10,800.00	7,143.08	6,260.00	6,232.28	109.69	28.63	33.34	-56.88	5,250.58	8,399.73	8,336.12	63.61	132.050		
10,900.00	7,141.27	6,260.00	6,232.28	112.41	28.63	33.34	-56.88	5,250.58	8,498.64	8,434.95	63.69	133.428		
11,000.00	7,139.45	6,260.00	6,232.28	115.13	28.63	33.34	-56.88	5,250.58	8,597.58	8,533.80	63.78	134.803		
11,100.00	7,137.63	6,260.00	6,232.28	117.86	28.63	33.34	-56.88	5,250.58	8,696.54	8,632.67	63.86	136.174		
11,200.00	7,135.82	6,260.00	6,232.28	120.59	28.63	33.34	-56.88	5,250.58	8,795.52	8,731.57	63.95	137.541		
11,300.00	7,134.00	6,260.00	6,232.28	123.33	28.63	33.34	-56.88	5,250.58	8,894.53	8,830.50	64.03	138.905		
11,400.00	7,132.18	6,260.00	6,232.28	126.07	28.63	33.34	-56.88	5,250.58	8,993.56	8,929.44	64.12	140.265		
11,500.00	7,130.36	6,260.00	6,232.28	128.82	28.63	33.34	-56.88	5,250.58	9,092.61	9,028.40	64.20	141.622		
11,600.00	7,128.55	6,260.00	6,232.28	131.57	28.63	33.34	-56.88	5,250.58	9,191.68	9,127.39	64.29	142.974		
11,700.00	7,126.73	6,260.00	6,232.28	134.33	28.63	33.34	-56.88	5,250.58	9,290.77	9,226.39	64.37	144.324		
11,800.00	7,124.91	6,260.00	6,232.28	137.09	28.63	33.34	-56.88	5,250.58	9,389.88	9,325.42	64.46	145.669		
11,900.00	7,123.10	6,260.00	6,232.28	139.85	28.63	33.34	-56.88	5,250.58	9,489.01	9,424.46	64.55	147.011		
12,000.00	7,121.28	6,260.00	6,232.28	142.62	28.63	33.34	-56.88	5,250.58	9,588.15	9,523.52	64.63	148.349		
12,100.00	7,119.46	6,260.00	6,232.28	145.39	28.63	33.34	-56.88	5,250.58	9,687.32	9,622.60	64.72	149.683		
12,200.00	7,117.64	6,260.00	6,232.28	148.16	28.63	33.34	-56.88	5,250.58	9,786.50	9,721.69	64.81	151.013		
12,300.00	7,115.83	6,260.00	6,232.28	150.94	28.63	33.34	-56.88	5,250.58	9,885.69	9,820.80	64.89	152.340		
12,400.00	7,114.01	6,260.00	6,232.28	153.72	28.63	33.34	-56.88	5,250.58	9,984.91	9,919.93	64.98	153.662		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	33.00	33.00	3.28	3.33	-71.85	1,924.21	-5,868.25	6,175.67					
100.00	100.00	133.00	133.00	3.28	4.38	-71.85	1,924.21	-5,868.25	6,175.67	6,168.01	7.66	806.094		
200.00	200.00	233.00	233.00	3.34	7.18	-71.85	1,924.21	-5,868.25	6,175.67	6,165.15	10.52	587.131		
300.00	300.00	333.00	333.00	3.44	10.41	-71.85	1,924.21	-5,868.25	6,175.67	6,161.82	13.85	445.746		
400.00	399.98	432.98	432.98	3.60	13.77	152.15	1,924.21	-5,868.25	6,177.21	6,159.85	17.36	355.767		
500.00	499.84	532.84	532.84	3.79	17.17	152.13	1,924.21	-5,868.25	6,181.84	6,160.88	20.96	294.911		
600.00	599.45	632.45	632.45	4.03	20.60	152.09	1,924.21	-5,868.25	6,189.55	6,164.93	24.62	251.397		
700.00	698.70	731.70	731.70	4.30	24.02	152.04	1,924.21	-5,868.25	6,200.34	6,172.02	28.32	218.949		
790.00	787.61	820.61	820.61	4.57	27.10	151.99	1,924.21	-5,868.25	6,212.66	6,181.00	31.67	196.180		
800.00	797.47	830.47	830.47	4.60	27.44	151.99	1,924.21	-5,868.25	6,214.17	6,182.13	32.04	193.926		
900.00	896.01	929.01	929.01	4.94	30.86	152.07	1,924.21	-5,868.25	6,229.25	6,193.47	35.78	174.081		
1,000.00	994.55	1,027.55	1,027.55	5.30	34.28	152.14	1,924.21	-5,868.25	6,244.34	6,204.79	39.55	157.887		
1,100.00	1,093.09	1,126.09	1,126.09	5.68	37.71	152.21	1,924.21	-5,868.25	6,259.44	6,216.11	43.34	144.439		
1,200.00	1,191.63	1,224.63	1,224.63	6.08	41.14	152.29	1,924.21	-5,868.25	6,274.56	6,227.42	47.14	133.105		
1,300.00	1,290.17	1,323.17	1,323.17	6.49	44.57	152.36	1,924.21	-5,868.25	6,289.68	6,238.72	50.96	123.430		
1,400.00	1,388.71	1,421.71	1,421.71	6.91	48.00	152.43	1,924.21	-5,868.25	6,304.81	6,250.02	54.79	115.080		
1,500.00	1,487.25	1,520.25	1,520.25	7.34	51.43	152.50	1,924.21	-5,868.25	6,319.95	6,261.32	58.62	107.804		
1,600.00	1,585.79	1,618.79	1,618.79	7.77	54.86	152.57	1,924.21	-5,868.25	6,335.10	6,272.62	62.47	101.409		
1,700.00	1,684.34	1,717.34	1,717.34	8.22	58.30	152.64	1,924.21	-5,868.25	6,350.25	6,283.93	66.32	95.747		
1,800.00	1,782.88	1,815.88	1,815.88	8.66	61.73	152.71	1,924.21	-5,868.25	6,365.42	6,295.24	70.18	90.699		
1,900.00	1,881.42	1,914.42	1,914.42	9.12	65.17	152.78	1,924.21	-5,868.25	6,380.60	6,306.56	74.04	86.172		
2,000.00	1,979.96	2,012.96	2,012.96	9.57	68.61	152.85	1,924.21	-5,868.25	6,395.79	6,317.87	77.91	82.090		
2,100.00	2,078.50	2,111.50	2,111.50	10.03	72.04	152.92	1,924.21	-5,868.25	6,410.98	6,329.20	81.78	78.390		
2,200.00	2,177.04	2,210.04	2,210.04	10.49	75.48	152.99	1,924.21	-5,868.25	6,426.19	6,340.53	85.66	75.023		
2,300.00	2,275.58	2,308.58	2,308.58	10.95	78.92	153.06	1,924.21	-5,868.25	6,441.40	6,351.87	89.53	71.944		
2,400.00	2,374.12	2,407.12	2,407.12	11.42	82.35	153.13	1,924.21	-5,868.25	6,456.63	6,363.21	93.41	69.120		
2,500.00	2,472.66	2,505.66	2,505.66	11.89	85.79	153.19	1,924.21	-5,868.25	6,471.86	6,374.57	97.29	66.519		
2,600.00	2,571.20	2,604.20	2,604.20	12.36	89.23	153.26	1,924.21	-5,868.25	6,487.10	6,385.92	101.18	64.117		
2,700.00	2,669.74	2,702.74	2,702.74	12.83	92.67	153.33	1,924.21	-5,868.25	6,502.35	6,397.29	105.06	61.892		
2,800.00	2,768.28	2,801.28	2,801.28	13.30	96.10	153.40	1,924.21	-5,868.25	6,517.61	6,408.66	108.95	59.824		
2,900.00	2,866.83	2,900.18	2,899.83	13.78	99.55	153.46	1,924.21	-5,868.25	6,532.88	6,420.03	112.85	57.892		
3,000.00	2,965.37	3,001.63	2,998.37	14.25	103.09	153.53	1,924.21	-5,868.25	6,548.15	6,431.32	116.84	56.046		
3,100.00	3,063.91	3,103.09	3,096.91	14.73	106.63	153.59	1,924.21	-5,868.25	6,563.44	6,442.61	120.83	54.321		
3,200.00	3,162.45	3,204.55	3,195.45	15.20	110.17	153.66	1,924.21	-5,868.25	6,578.73	6,453.91	124.82	52.706		
3,300.00	3,260.99	3,306.01	3,293.99	15.68	113.71	153.73	1,924.21	-5,868.25	6,594.03	6,465.22	128.81	51.191		
3,400.00	3,359.53	3,407.47	3,392.53	16.16	117.26	153.79	1,924.21	-5,868.25	6,609.34	6,476.54	132.81	49.767		
3,500.00	3,458.07	3,508.93	3,491.07	16.64	120.80	153.86	1,924.21	-5,868.25	6,624.66	6,487.86	136.80	48.426		
3,600.00	3,556.61	3,589.61	3,589.61	17.12	123.61	153.92	1,924.21	-5,868.25	6,639.99	6,499.92	140.07	47.405		
3,700.00	3,655.15	3,688.15	3,688.15	17.60	127.05	153.98	1,924.21	-5,868.25	6,655.32	6,511.36	143.96	46.229		
3,800.00	3,753.69	3,786.69	3,786.69	18.08	130.49	154.05	1,924.21	-5,868.25	6,670.66	6,522.81	147.86	45.115		
3,900.00	3,852.23	3,885.23	3,885.23	18.56	133.93	154.11	1,924.21	-5,868.25	6,686.02	6,534.26	151.75	44.059		
4,000.00	3,950.77	3,983.77	3,983.77	19.04	137.37	154.18	1,924.21	-5,868.25	6,701.38	6,545.73	155.65	43.055		
4,100.00	4,049.31	4,082.31	4,082.31	19.52	140.81	154.24	1,924.21	-5,868.25	6,716.74	6,557.20	159.54	42.100		
4,200.00	4,147.86	4,180.86	4,180.86	20.00	144.25	154.30	1,924.21	-5,868.25	6,732.12	6,568.68	163.44	41.190		
4,300.00	4,246.40	4,279.40	4,279.40	20.49	147.68	154.36	1,924.21	-5,868.25	6,747.50	6,580.16	167.34	40.323		
4,400.00	4,344.94	4,377.94	4,377.94	20.97	151.12	154.43	1,924.21	-5,868.25	6,762.89	6,591.66	171.23	39.495		
4,500.00	4,443.48	4,476.48	4,476.48	21.45	154.56	154.49	1,924.21	-5,868.25	6,778.29	6,603.16	175.13	38.704		
4,600.00	4,542.02	4,575.02	4,575.02	21.94	158.00	154.55	1,924.21	-5,868.25	6,793.70	6,614.67	179.03	37.948		
4,700.00	4,640.56	4,673.56	4,673.56	22.42	161.44	154.61	1,924.21	-5,868.25	6,809.11	6,626.19	182.93	37.223		
4,800.00	4,739.10	4,772.10	4,772.10	22.91	164.88	154.67	1,924.21	-5,868.25	6,824.53	6,637.71	186.82	36.529		
4,900.00	4,837.64	4,870.64	4,870.64	23.39	168.32	154.73	1,924.21	-5,868.25	6,839.96	6,649.24	190.72	35.864		
5,000.00	4,936.18	4,969.18	4,969.18	23.87	171.76	154.79	1,924.21	-5,868.25	6,855.40	6,660.78	194.62	35.225		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	5,067.72	5,067.72	24.36	175.20	154.85	1,924.21	-5,868.25	6,870.85	6,672.33	198.52	34.611		
5,200.00	5,133.26	5,166.26	5,166.26	24.84	178.64	154.91	1,924.21	-5,868.25	6,886.30	6,683.88	202.42	34.020		
5,300.00	5,231.80	5,264.80	5,264.80	25.33	182.08	154.97	1,924.21	-5,868.25	6,901.76	6,695.44	206.32	33.452		
5,400.00	5,330.34	5,363.34	5,363.34	25.82	185.52	155.03	1,924.21	-5,868.25	6,917.22	6,707.01	210.22	32.905		
5,500.00	5,428.89	5,461.89	5,461.89	26.30	188.96	155.09	1,924.21	-5,868.25	6,932.70	6,718.58	214.11	32.378		
5,600.00	5,527.43	5,560.43	5,560.43	26.79	192.40	155.15	1,924.21	-5,868.25	6,948.18	6,730.16	218.01	31.870		
5,700.00	5,625.97	5,658.97	5,658.97	27.27	195.84	155.21	1,924.21	-5,868.25	6,963.67	6,741.75	221.91	31.380		
5,800.00	5,724.51	5,757.51	5,757.51	27.76	199.28	155.27	1,924.21	-5,868.25	6,979.16	6,753.35	225.81	30.907		
5,900.00	5,823.05	5,856.05	5,856.05	28.24	202.72	155.33	1,924.21	-5,868.25	6,994.66	6,764.95	229.71	30.450		
6,000.00	5,921.59	5,954.59	5,954.59	28.73	206.16	155.38	1,924.21	-5,868.25	7,010.17	6,776.56	233.61	30.008		
6,100.00	6,020.13	6,053.13	6,053.13	29.22	209.60	155.44	1,924.21	-5,868.25	7,025.69	6,788.18	237.51	29.580		
6,200.00	6,118.67	6,151.67	6,151.67	29.70	213.04	155.50	1,924.21	-5,868.25	7,041.21	6,799.80	241.41	29.167		
6,300.00	6,217.21	6,250.21	6,250.21	30.19	216.47	155.56	1,924.21	-5,868.25	7,056.75	6,811.43	245.31	28.766		
6,400.00	6,315.75	6,348.75	6,348.75	30.68	219.91	155.61	1,924.21	-5,868.25	7,072.28	6,823.07	249.21	28.378		
6,500.00	6,414.29	6,447.29	6,447.29	31.16	223.35	155.67	1,924.21	-5,868.25	7,087.83	6,834.71	253.11	28.003		
6,582.51	6,495.60	6,528.60	6,528.60	31.57	226.19	155.72	1,924.21	-5,868.25	7,100.66	6,844.33	256.33	27.701		
6,600.00	6,512.86	6,545.86	6,545.86	31.65	226.79	148.12	1,924.21	-5,868.25	7,103.16	6,846.15	257.01	27.637		
6,650.00	6,562.39	6,604.61	6,595.39	31.88	228.85	117.59	1,924.21	-5,868.25	7,107.90	6,848.61	259.29	27.413		
6,700.00	6,611.96	6,644.96	6,644.96	32.08	230.25	84.75	1,924.21	-5,868.25	7,109.04	6,848.13	260.90	27.248		
6,750.00	6,661.26	6,705.74	6,694.26	32.27	232.38	64.19	1,924.21	-5,868.25	7,106.58	6,843.36	263.22	26.999		
6,800.00	6,709.99	6,742.99	6,742.99	32.44	233.68	53.18	1,924.21	-5,868.25	7,100.54	6,835.85	264.69	26.826		
6,850.00	6,757.84	6,809.16	6,790.84	32.61	235.99	47.03	1,924.21	-5,868.25	7,090.96	6,823.81	267.15	26.543		
6,900.00	6,804.53	6,837.53	6,837.53	32.77	236.98	43.44	1,924.21	-5,868.25	7,077.91	6,809.63	268.28	26.382		
6,950.00	6,849.77	6,882.77	6,882.77	32.92	238.55	41.37	1,924.21	-5,868.25	7,061.48	6,791.50	269.98	26.155		
7,000.00	6,893.27	6,926.27	6,926.27	33.07	240.07	40.29	1,924.21	-5,868.25	7,041.78	6,770.17	271.61	25.926		
7,050.00	6,934.77	6,967.77	6,967.77	33.23	241.52	39.96	1,924.21	-5,868.25	7,018.92	6,745.77	273.15	25.696		
7,100.00	6,974.01	7,007.01	7,007.01	33.39	242.89	40.24	1,924.21	-5,868.25	6,993.07	6,718.47	274.61	25.466		
7,150.00	7,010.75	7,043.75	7,043.75	33.55	244.17	41.07	1,924.21	-5,868.25	6,964.39	6,688.43	275.96	25.237		
7,200.00	7,044.77	7,077.77	7,077.77	33.72	245.36	42.43	1,924.21	-5,868.25	6,933.06	6,655.85	277.22	25.010		
7,250.00	7,075.85	7,108.85	7,108.85	33.92	246.45	44.36	1,924.21	-5,868.25	6,899.29	6,620.92	278.37	24.785		
7,300.00	7,103.80	7,136.80	7,136.80	34.13	247.42	46.90	1,924.21	-5,868.25	6,863.29	6,583.88	279.40	24.564		
7,350.00	7,128.45	7,161.45	7,161.45	34.38	248.28	50.14	1,924.21	-5,868.25	6,825.28	6,544.95	280.33	24.347		
7,400.00	7,149.65	7,182.65	7,182.65	34.67	249.02	54.17	1,924.21	-5,868.25	6,785.51	6,504.36	281.14	24.135		
7,450.00	7,167.26	7,200.26	7,200.26	35.00	249.64	59.11	1,924.21	-5,868.25	6,744.22	6,462.38	281.84	23.929		
7,500.00	7,181.19	7,214.19	7,214.19	35.38	250.12	65.07	1,924.21	-5,868.25	6,701.68	6,419.26	282.42	23.730		
7,550.00	7,191.34	7,224.34	7,224.34	35.81	250.48	72.08	1,924.21	-5,868.25	6,658.15	6,375.27	282.88	23.537		
7,600.00	7,197.65	7,230.65	7,230.65	36.28	250.70	80.10	1,924.21	-5,868.25	6,613.89	6,330.67	283.22	23.353		
7,650.00	7,200.08	7,233.08	7,233.08	36.80	250.78	88.88	1,924.21	-5,868.25	6,569.18	6,285.74	283.44	23.177		
7,667.87	7,200.00	7,233.00	7,233.00	36.99	250.78	92.12	1,924.21	-5,868.25	6,553.14	6,269.65	283.49	23.116		
7,700.00	7,199.42	7,232.42	7,232.42	37.35	250.76	92.11	1,924.21	-5,868.25	6,524.31	6,240.74	283.57	23.008		
7,800.00	7,197.60	7,230.60	7,230.60	38.62	250.70	92.08	1,924.21	-5,868.25	6,434.78	6,150.92	283.85	22.669		
7,900.00	7,195.78	7,228.78	7,228.78	40.06	250.63	92.04	1,924.21	-5,868.25	6,345.56	6,061.35	284.21	22.327		
8,000.00	7,193.97	7,226.97	7,226.97	41.66	250.57	92.00	1,924.21	-5,868.25	6,256.66	5,972.03	284.63	21.982		
8,100.00	7,192.15	7,225.15	7,225.15	43.40	250.51	91.97	1,924.21	-5,868.25	6,168.10	5,882.99	285.12	21.633		
8,200.00	7,190.33	7,223.33	7,223.33	45.25	250.44	91.93	1,924.21	-5,868.25	6,079.90	5,794.22	285.68	21.282		
8,300.00	7,188.51	7,221.51	7,221.51	47.20	250.38	91.90	1,924.21	-5,868.25	5,992.07	5,705.74	286.33	20.928		
8,400.00	7,186.70	7,219.70	7,219.70	49.25	250.32	91.86	1,924.21	-5,868.25	5,904.62	5,617.58	287.04	20.570		
8,500.00	7,184.88	7,217.88	7,217.88	51.37	250.25	91.82	1,924.21	-5,868.25	5,817.58	5,529.74	287.84	20.211		
8,600.00	7,183.06	7,216.06	7,216.06	53.56	250.19	91.79	1,924.21	-5,868.25	5,730.96	5,442.24	288.72	19.849		
8,700.00	7,181.24	7,214.24	7,214.24	55.81	250.13	91.75	1,924.21	-5,868.25	5,644.79	5,355.10	289.69	19.486		
8,800.00	7,179.43	7,212.43	7,212.43	58.11	250.06	91.72	1,924.21	-5,868.25	5,559.07	5,268.33	290.74	19.121		
8,900.00	7,177.61	7,210.61	7,210.61	60.46	250.00	91.68	1,924.21	-5,868.25	5,473.84	5,181.97	291.87	18.754		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - LA POWDRE SOUTH #4 - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
9,000.00	7,175.79	7,208.79	7,208.79	62.85	249.94	91.64	1,924.21	-5,868.25	5,389.12	5,096.02	293.09	18.387				
9,100.00	7,173.98	7,206.98	7,206.98	65.28	249.87	91.61	1,924.21	-5,868.25	5,304.92	5,010.52	294.41	18.019				
9,200.00	7,172.16	7,205.16	7,205.16	67.74	249.81	91.57	1,924.21	-5,868.25	5,221.29	4,925.48	295.81	17.651				
9,300.00	7,170.34	7,203.34	7,203.34	70.23	249.75	91.53	1,924.21	-5,868.25	5,138.24	4,840.94	297.30	17.283				
9,400.00	7,168.52	7,201.52	7,201.52	72.74	249.68	91.50	1,924.21	-5,868.25	5,055.80	4,756.92	298.88	16.916				
9,500.00	7,166.71	7,200.29	7,199.71	75.28	249.64	91.46	1,924.21	-5,868.25	4,974.00	4,673.42	300.58	16.548				
9,600.00	7,164.89	7,202.11	7,197.89	77.84	249.70	91.43	1,924.21	-5,868.25	4,892.89	4,590.40	302.48	16.176				
9,700.00	7,163.07	7,203.93	7,196.07	80.43	249.77	91.39	1,924.21	-5,868.25	4,812.48	4,508.00	304.48	15.806				
9,800.00	7,161.26	7,205.74	7,194.26	83.02	249.83	91.35	1,924.21	-5,868.25	4,732.81	4,426.25	306.57	15.438				
9,900.00	7,159.44	7,207.56	7,192.44	85.64	249.89	91.32	1,924.21	-5,868.25	4,653.94	4,345.18	308.76	15.073				
10,000.00	7,157.62	7,209.38	7,190.62	88.27	249.96	91.28	1,924.21	-5,868.25	4,575.88	4,264.84	311.05	14.711				
10,100.00	7,155.80	7,188.80	7,188.80	90.91	249.24	91.25	1,924.21	-5,868.25	4,498.70	4,186.04	312.65	14.389				
10,200.00	7,153.99	7,186.99	7,186.99	93.56	249.17	91.21	1,924.21	-5,868.25	4,422.43	4,107.41	315.02	14.039				
10,300.00	7,152.17	7,185.17	7,185.17	96.23	249.11	91.17	1,924.21	-5,868.25	4,347.12	4,029.63	317.48	13.692				
10,400.00	7,150.35	7,183.35	7,183.35	98.90	249.05	91.14	1,924.21	-5,868.25	4,272.82	3,952.77	320.05	13.350				
10,500.00	7,148.54	7,181.54	7,181.54	101.59	248.98	91.10	1,924.21	-5,868.25	4,199.59	3,876.86	322.72	13.013				
10,600.00	7,146.72	7,179.72	7,179.72	104.28	248.92	91.07	1,924.21	-5,868.25	4,127.48	3,801.97	325.50	12.680				
10,700.00	7,144.90	7,177.90	7,177.90	106.98	248.86	91.03	1,924.21	-5,868.25	4,056.55	3,728.17	328.38	12.353				
10,800.00	7,143.08	7,176.08	7,176.08	109.69	248.79	90.99	1,924.21	-5,868.25	3,986.87	3,655.50	331.37	12.031				
10,900.00	7,141.27	7,174.27	7,174.27	112.41	248.73	90.96	1,924.21	-5,868.25	3,918.50	3,584.04	334.46	11.716				
11,000.00	7,139.45	7,172.45	7,172.45	115.13	248.67	90.92	1,924.21	-5,868.25	3,851.51	3,513.86	337.66	11.407				
11,100.00	7,137.63	7,170.63	7,170.63	117.86	248.60	90.89	1,924.21	-5,868.25	3,785.98	3,445.03	340.95	11.104				
11,200.00	7,135.82	7,168.82	7,168.82	120.59	248.54	90.85	1,924.21	-5,868.25	3,721.99	3,377.63	344.35	10.809				
11,300.00	7,134.00	7,167.00	7,167.00	123.33	248.48	90.81	1,924.21	-5,868.25	3,659.60	3,311.75	347.85	10.521				
11,400.00	7,132.18	7,165.18	7,165.18	126.07	248.41	90.78	1,924.21	-5,868.25	3,598.91	3,247.47	351.44	10.241				
11,500.00	7,130.36	7,163.36	7,163.36	128.82	248.35	90.74	1,924.21	-5,868.25	3,540.01	3,184.89	355.12	9.968				
11,600.00	7,128.55	7,161.55	7,161.55	131.57	248.29	90.71	1,924.21	-5,868.25	3,482.98	3,124.09	358.89	9.705				
11,700.00	7,126.73	7,159.73	7,159.73	134.33	248.22	90.67	1,924.21	-5,868.25	3,427.91	3,065.18	362.74	9.450				
11,800.00	7,124.91	7,157.91	7,157.91	137.09	248.16	90.63	1,924.21	-5,868.25	3,374.92	3,008.26	366.66	9.205				
11,900.00	7,123.10	7,156.10	7,156.10	139.85	248.10	90.60	1,924.21	-5,868.25	3,324.08	2,953.44	370.64	8.968				
12,000.00	7,121.28	7,154.28	7,154.28	142.62	248.03	90.56	1,924.21	-5,868.25	3,275.51	2,900.83	374.68	8.742				
12,100.00	7,119.46	7,152.46	7,152.46	145.39	247.97	90.52	1,924.21	-5,868.25	3,229.31	2,850.55	378.76	8.526				
12,200.00	7,117.64	7,150.64	7,150.64	148.16	247.91	90.49	1,924.21	-5,868.25	3,185.57	2,802.70	382.87	8.320				
12,300.00	7,115.83	7,148.83	7,148.83	150.94	247.84	90.45	1,924.21	-5,868.25	3,144.40	2,757.41	387.00	8.125				
12,400.00	7,114.01	7,147.01	7,147.01	153.72	247.78	90.42	1,924.21	-5,868.25	3,105.91	2,714.79	391.13	7.941				
12,500.00	7,112.19	7,145.19	7,145.19	156.50	247.72	90.38	1,924.21	-5,868.25	3,070.20	2,674.96	395.24	7.768				
12,600.00	7,110.37	7,143.37	7,143.37	159.28	247.65	90.34	1,924.21	-5,868.25	3,037.36	2,638.03	399.32	7.606				
12,700.00	7,108.56	7,141.56	7,141.56	162.07	247.59	90.31	1,924.21	-5,868.25	3,007.48	2,604.13	403.35	7.456				
12,800.00	7,106.74	7,139.74	7,139.74	164.86	247.53	90.27	1,924.21	-5,868.25	2,980.66	2,573.35	407.31	7.318				
12,900.00	7,104.92	7,137.92	7,137.92	167.65	247.46	90.24	1,924.21	-5,868.25	2,956.98	2,545.79	411.19	7.191				
13,000.00	7,103.11	7,136.11	7,136.11	170.44	247.40	90.20	1,924.21	-5,868.25	2,936.51	2,521.57	414.95	7.077				
13,100.00	7,101.29	7,134.29	7,134.29	173.23	247.33	90.16	1,924.21	-5,868.25	2,919.33	2,500.75	418.58	6.974				
13,200.00	7,099.47	7,132.47	7,132.47	176.03	247.27	90.13	1,924.21	-5,868.25	2,905.49	2,483.42	422.07	6.884				
13,300.00	7,097.65	7,130.65	7,130.65	178.82	247.21	90.09	1,924.21	-5,868.25	2,895.03	2,469.64	425.39	6.806				
13,400.00	7,095.84	7,128.84	7,128.84	181.62	247.14	90.06	1,924.21	-5,868.25	2,888.01	2,459.47	428.53	6.739				
13,500.00	7,094.02	7,127.02	7,127.02	184.42	247.08	90.02	1,924.21	-5,868.25	2,884.43	2,452.95	431.48	6.685				
13,553.28	7,093.05	7,126.05	7,126.05	185.91	247.05	90.00	1,924.21	-5,868.25	2,883.94	2,450.98	432.96	6.661 CC				
13,600.00	7,092.20	7,125.20	7,125.20	187.22	247.02	89.98	1,924.21	-5,868.25	2,884.32	2,450.10	434.21	6.643 ES				
13,700.00	7,090.39	7,123.39	7,123.39	190.03	246.95	89.95	1,924.21	-5,868.25	2,887.67	2,450.94	436.73	6.612				
13,800.00	7,088.57	7,121.57	7,121.57	192.83	246.89	89.91	1,924.21	-5,868.25	2,894.47	2,455.45	439.02	6.593				
13,900.00	7,086.75	7,119.75	7,119.75	195.64	246.83	89.87	1,924.21	-5,868.25	2,904.70	2,463.62	441.08	6.585 SF				
14,000.00	7,084.93	7,117.93	7,117.93	198.44	246.76	89.84	1,924.21	-5,868.25	2,918.32	2,475.42	442.90	6.589				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - LA POUDRE SOUTH #4 - 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
14,100.00	7,083.12	7,116.12	7,116.12	201.25	246.70	89.80	1,924.21	-5,868.25	2,935.29	2,490.80	444.49	6.604	
14,200.00	7,081.30	7,114.30	7,114.30	204.06	246.64	89.77	1,924.21	-5,868.25	2,955.54	2,509.70	445.84	6.629	
14,300.00	7,079.48	7,112.48	7,112.48	206.87	246.57	89.73	1,924.21	-5,868.25	2,979.01	2,532.05	446.96	6.665	
14,400.00	7,077.67	7,110.67	7,110.67	209.68	246.51	89.69	1,924.21	-5,868.25	3,005.63	2,557.76	447.87	6.711	
14,500.00	7,075.85	7,108.85	7,108.85	212.49	246.45	89.66	1,924.21	-5,868.25	3,035.31	2,586.75	448.55	6.767	
14,600.00	7,074.03	7,107.03	7,107.03	215.31	246.38	89.62	1,924.21	-5,868.25	3,067.96	2,618.92	449.03	6.832	
14,700.00	7,072.21	7,105.21	7,105.21	218.12	246.32	89.59	1,924.21	-5,868.25	3,103.49	2,654.16	449.32	6.907	
14,800.00	7,070.40	7,103.40	7,103.40	220.93	246.26	89.55	1,924.21	-5,868.25	3,141.80	2,692.37	449.43	6.991	
14,900.00	7,068.58	7,101.58	7,101.58	223.75	246.19	89.51	1,924.21	-5,868.25	3,182.79	2,733.43	449.36	7.083	
15,000.00	7,066.76	7,100.24	7,099.76	226.57	246.15	89.48	1,924.21	-5,868.25	3,226.36	2,777.20	449.16	7.183	
15,100.00	7,064.95	7,102.05	7,097.95	229.38	246.21	89.44	1,924.21	-5,868.25	3,272.41	2,823.49	448.92	7.289	
15,200.00	7,063.13	7,103.87	7,096.13	232.20	246.27	89.41	1,924.21	-5,868.25	3,320.83	2,872.28	448.55	7.403	
15,300.00	7,061.31	7,105.69	7,094.31	235.02	246.34	89.37	1,924.21	-5,868.25	3,371.52	2,923.45	448.06	7.525	
15,400.00	7,059.49	7,107.51	7,092.49	237.84	246.40	89.33	1,924.21	-5,868.25	3,424.38	2,976.91	447.47	7.653	
15,500.00	7,057.68	7,109.32	7,090.68	240.66	246.46	89.30	1,924.21	-5,868.25	3,479.31	3,032.53	446.78	7.788	
15,600.00	7,055.86	7,088.86	7,088.86	243.48	245.75	89.26	1,924.21	-5,868.25	3,536.21	3,090.98	445.23	7.942	
15,647.29	7,055.00	7,088.00	7,088.00	244.81	245.72	89.24	1,924.21	-5,868.25	3,563.78	3,119.01	444.78	8.013	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	15,752.86	7,060.92	3.28	285.30	-1.29	1,616.69	-36.32	7,288.57					
100.00	100.00	15,752.82	7,060.92	3.28	285.30	-1.29	1,616.69	-36.36	7,191.10	7,073.05	118.05	60.917		
200.00	200.00	15,752.78	7,060.92	3.34	285.30	-1.29	1,616.68	-36.40	7,093.69	6,975.26	118.43	59.899		
300.00	300.00	15,752.74	7,060.92	3.44	285.30	-1.29	1,616.68	-36.44	6,996.36	6,877.53	118.83	58.877		
400.00	399.98	15,753.61	7,060.92	3.60	285.33	-142.35	1,616.71	-35.57	6,899.43	6,780.14	119.29	57.838		
500.00	499.84	15,756.31	7,060.91	3.79	285.42	-146.34	1,616.77	-32.87	6,803.31	6,683.47	119.85	56.766		
600.00	599.45	15,760.82	7,060.91	4.03	285.56	-149.50	1,616.89	-28.36	6,708.17	6,587.65	120.52	55.662		
700.00	698.70	15,767.14	7,060.91	4.30	285.77	-152.04	1,617.06	-22.04	6,614.15	6,492.85	121.30	54.527		
790.00	787.61	15,774.35	7,060.90	4.57	286.01	-153.92	1,617.26	-14.84	6,530.62	6,408.51	122.11	53.482		
800.00	797.47	15,775.23	7,060.90	4.60	286.04	-153.90	1,617.29	-13.96	6,521.41	6,399.21	122.20	53.366		
900.00	896.01	15,784.01	7,060.90	4.94	286.33	-153.71	1,617.55	-5.18	6,429.35	6,306.15	123.20	52.186		
1,000.00	994.55	15,792.77	7,060.89	5.30	286.61	-153.52	1,617.82	3.57	6,337.53	6,213.28	124.25	51.007		
1,100.00	1,093.09	15,801.49	7,060.89	5.68	286.90	-153.33	1,618.10	12.29	6,245.93	6,120.58	125.35	49.828		
1,200.00	1,191.63	15,810.19	7,060.89	6.08	287.18	-153.14	1,618.40	20.98	6,154.58	6,028.08	126.51	48.650		
1,300.00	1,290.17	15,820.95	7,060.88	6.49	287.54	-152.90	1,618.78	31.73	6,063.49	5,935.74	127.76	47.462		
1,400.00	1,388.71	15,833.41	7,060.88	6.91	287.95	-152.63	1,619.21	44.19	5,972.66	5,843.57	129.09	46.267		
1,500.00	1,487.25	15,845.96	7,060.88	7.34	288.36	-152.36	1,619.63	56.73	5,882.11	5,751.61	130.49	45.076		
1,600.00	1,585.79	15,858.59	7,060.88	7.77	288.77	-152.08	1,620.03	69.36	5,791.84	5,659.87	131.97	43.889		
1,700.00	1,684.34	15,871.30	7,060.88	8.22	289.19	-151.80	1,620.41	82.07	5,701.87	5,568.35	133.51	42.707		
1,800.00	1,782.88	15,884.10	7,060.89	8.66	289.61	-151.52	1,620.78	94.86	5,612.21	5,477.07	135.13	41.531		
1,900.00	1,881.42	15,896.99	7,060.90	9.12	290.04	-151.23	1,621.14	107.74	5,522.88	5,386.04	136.83	40.362		
2,000.00	1,979.96	15,909.96	7,060.91	9.57	290.46	-150.94	1,621.48	120.71	5,433.89	5,295.28	138.62	39.201		
2,100.00	2,078.50	15,923.02	7,060.93	10.03	290.89	-150.65	1,621.80	133.77	5,345.27	5,204.78	140.49	38.048		
2,200.00	2,177.04	15,936.17	7,060.94	10.49	291.32	-150.36	1,622.11	146.91	5,257.02	5,114.58	142.45	36.905		
2,300.00	2,275.58	15,949.41	7,060.97	10.95	291.76	-150.06	1,622.40	160.15	5,169.18	5,024.68	144.50	35.773		
2,400.00	2,374.12	15,962.12	7,060.98	11.42	292.01	-149.89	1,622.59	167.85	5,081.76	4,935.21	146.55	34.676		
2,500.00	2,472.66	15,967.20	7,060.99	11.89	292.34	-149.67	1,622.84	177.93	4,994.79	4,846.05	148.74	33.580		
2,600.00	2,571.20	15,977.24	7,061.00	12.36	292.67	-149.44	1,623.10	187.97	4,908.29	4,757.26	151.03	32.499		
2,700.00	2,669.74	15,987.24	7,061.01	12.83	293.00	-149.22	1,623.38	197.96	4,822.29	4,668.87	153.42	31.431		
2,800.00	2,768.28	15,997.20	7,061.02	13.30	293.33	-148.99	1,623.66	207.92	4,736.82	4,580.89	155.92	30.379		
2,900.00	2,866.83	16,007.11	7,061.03	13.78	293.65	-148.77	1,623.95	217.82	4,651.90	4,493.36	158.53	29.343		
3,000.00	2,965.37	16,016.98	7,061.04	14.25	293.98	-148.55	1,624.25	227.69	4,567.56	4,406.31	161.26	28.325		
3,100.00	3,063.91	16,026.81	7,061.04	14.73	294.30	-148.32	1,624.56	237.51	4,483.85	4,319.75	164.10	27.324		
3,200.00	3,162.45	16,037.92	7,061.05	15.20	294.67	-148.07	1,624.92	248.62	4,400.79	4,233.70	167.09	26.338		
3,300.00	3,260.99	16,051.30	7,061.06	15.68	295.11	-147.77	1,625.35	262.00	4,318.41	4,148.16	170.25	25.365		
3,400.00	3,359.53	16,064.70	7,061.06	16.16	295.55	-147.46	1,625.77	275.39	4,236.76	4,063.21	173.54	24.413		
3,500.00	3,458.07	16,078.11	7,061.07	16.64	295.99	-147.16	1,626.18	288.79	4,155.87	3,978.89	176.97	23.483		
3,600.00	3,556.61	16,091.53	7,061.07	17.12	296.43	-146.85	1,626.57	302.20	4,075.79	3,895.25	180.54	22.576		
3,700.00	3,655.15	16,104.96	7,061.07	17.60	296.87	-146.54	1,626.96	315.63	3,996.57	3,812.32	184.25	21.691		
3,800.00	3,753.69	16,118.40	7,061.08	18.08	297.31	-146.24	1,627.33	329.07	3,918.26	3,730.15	188.10	20.830		
3,900.00	3,852.23	16,131.86	7,061.08	18.56	297.75	-145.93	1,627.69	342.52	3,840.91	3,648.81	192.10	19.994		
4,000.00	3,950.77	16,145.32	7,061.08	19.04	298.19	-145.62	1,628.04	355.98	3,764.60	3,568.34	196.26	19.182		
4,100.00	4,049.31	16,158.80	7,061.08	19.52	298.64	-145.31	1,628.38	369.45	3,689.37	3,488.81	200.56	18.395		
4,200.00	4,147.86	16,172.29	7,061.08	20.00	299.08	-145.00	1,628.71	382.94	3,615.30	3,410.28	205.02	17.634		
4,300.00	4,246.40	16,175.00	7,061.08	20.49	299.17	-144.94	1,628.79	385.64	3,542.49	3,333.13	209.36	16.920		
4,400.00	4,344.94	16,175.00	7,061.08	20.97	299.17	-144.94	1,628.79	385.64	3,471.02	3,257.25	213.77	16.237		
4,500.00	4,443.48	16,175.00	7,061.08	21.45	299.17	-144.94	1,628.79	385.64	3,400.99	3,182.68	218.31	15.578		
4,600.00	4,542.02	16,175.00	7,061.08	21.94	299.17	-144.94	1,628.79	385.64	3,332.49	3,109.50	222.99	14.945		
4,700.00	4,640.56	16,175.00	7,061.08	22.42	299.17	-144.94	1,628.79	385.64	3,265.61	3,037.82	227.79	14.336		
4,800.00	4,739.10	16,175.00	7,061.08	22.91	299.17	-144.94	1,628.79	385.64	3,200.46	2,967.76	232.70	13.753		
4,900.00	4,837.64	16,175.00	7,061.08	23.39	299.17	-144.94	1,628.79	385.64	3,137.15	2,899.42	237.73	13.196		
5,000.00	4,936.18	16,175.00	7,061.08	23.87	299.17	-144.94	1,628.79	385.64	3,075.78	2,832.92	242.86	12.665		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	16,175.00	7,061.08	24.36	299.17	-144.94	1,628.79	385.64	3,016.48	2,768.42	248.07	12.160		
5,200.00	5,133.26	16,175.00	7,061.08	24.84	299.17	-144.94	1,628.79	385.64	2,959.38	2,706.03	253.34	11.681		
5,300.00	5,231.80	16,175.00	7,061.08	25.33	299.17	-144.94	1,628.79	385.64	2,904.59	2,645.92	258.67	11.229		
5,400.00	5,330.34	16,175.00	7,061.08	25.82	299.17	-144.94	1,628.79	385.64	2,852.26	2,588.24	264.02	10.803		
5,500.00	5,428.89	16,175.00	7,061.08	26.30	299.17	-144.94	1,628.79	385.64	2,802.52	2,533.16	269.37	10.404		
5,600.00	5,527.43	16,175.00	7,061.08	26.79	299.17	-144.94	1,628.79	385.64	2,755.52	2,480.83	274.68	10.032		
5,700.00	5,625.97	16,175.00	7,061.08	27.27	299.17	-144.94	1,628.79	385.64	2,711.38	2,431.45	279.94	9.686		
5,800.00	5,724.51	16,175.00	7,061.08	27.76	299.17	-144.94	1,628.79	385.64	2,670.27	2,385.18	285.09	9.366		
5,900.00	5,823.05	16,175.00	7,061.08	28.24	299.17	-144.94	1,628.79	385.64	2,632.32	2,342.21	290.11	9.074		
6,000.00	5,921.59	16,175.00	7,061.08	28.73	299.17	-144.94	1,628.79	385.64	2,597.66	2,302.71	294.94	8.807		
6,100.00	6,020.13	16,175.00	7,061.08	29.22	299.17	-144.94	1,628.79	385.64	2,566.43	2,266.87	299.56	8.567		
6,200.00	6,118.67	16,175.00	7,061.08	29.70	299.17	-144.94	1,628.79	385.64	2,538.76	2,234.84	303.92	8.353		
6,300.00	6,217.21	16,175.00	7,061.08	30.19	299.17	-144.94	1,628.79	385.64	2,514.76	2,206.79	307.97	8.165		
6,400.00	6,315.75	16,175.00	7,061.08	30.68	299.17	-144.94	1,628.79	385.64	2,494.55	2,182.87	311.68	8.003		
6,500.00	6,414.29	16,175.00	7,061.08	31.16	299.17	-144.94	1,628.79	385.64	2,478.21	2,163.20	315.01	7.867		
6,582.51	6,495.60	16,175.00	7,061.08	31.57	299.17	-144.94	1,628.79	385.64	2,467.70	2,150.25	317.45	7.774		
6,600.00	6,512.86	16,175.00	7,061.08	31.65	299.17	-152.28	1,628.79	385.64	2,465.79	2,147.86	317.93	7.756		
6,650.00	6,562.39	16,175.00	7,061.08	31.88	299.17	177.77	1,628.79	385.64	2,460.69	2,141.40	319.29	7.707		
6,700.00	6,611.96	16,175.00	7,061.08	32.08	299.17	145.34	1,628.79	385.64	2,456.14	2,135.53	320.61	7.661		
6,750.00	6,661.26	16,175.00	7,061.08	32.27	299.17	124.98	1,628.79	385.64	2,452.18	2,130.30	321.88	7.618		
6,800.00	6,709.99	16,175.00	7,061.08	32.44	299.17	113.97	1,628.79	385.64	2,448.84	2,125.73	323.11	7.579		
6,850.00	6,757.84	16,175.00	7,061.08	32.61	299.17	107.63	1,628.79	385.64	2,446.13	2,121.85	324.28	7.543		
6,900.00	6,804.53	16,175.00	7,061.08	32.77	299.17	103.62	1,628.79	385.64	2,444.07	2,118.68	325.39	7.511		
6,950.00	6,849.77	16,175.00	7,061.08	32.92	299.17	100.89	1,628.79	385.64	2,442.69	2,116.25	326.45	7.483		
7,000.00	6,893.27	16,175.00	7,061.08	33.07	299.17	98.92	1,628.79	385.64	2,441.99	2,114.56	327.43	7.458		
7,026.30	6,915.36	16,175.00	7,061.08	33.16	299.17	98.07	1,628.79	385.64	2,441.89	2,113.97	327.93	7.446		
7,050.00	6,934.77	16,175.00	7,061.08	33.23	299.17	97.40	1,628.79	385.64	2,441.97	2,113.62	328.36	7.437		
7,100.00	6,974.01	16,175.00	7,061.08	33.39	299.17	96.17	1,628.79	385.64	2,442.64	2,113.43	329.21	7.420		
7,150.00	7,010.75	16,175.00	7,061.08	33.55	299.17	95.15	1,628.79	385.64	2,443.99	2,113.99	330.00	7.406		
7,200.00	7,044.77	16,175.00	7,061.08	33.72	299.17	94.25	1,628.79	385.64	2,446.00	2,115.28	330.72	7.396		
7,250.00	7,075.85	16,175.00	7,061.08	33.92	299.17	93.43	1,628.79	385.64	2,448.68	2,117.30	331.38	7.389 SF		
7,300.00	7,103.80	16,148.29	7,061.08	34.13	298.29	92.34	1,628.12	358.94	2,451.85	2,120.99	330.86	7.411		
7,350.00	7,128.45	16,096.81	7,061.07	34.38	296.60	91.11	1,626.72	307.48	2,454.85	2,125.55	329.30	7.455		
7,400.00	7,149.65	16,043.16	7,061.05	34.67	294.84	90.05	1,625.09	253.86	2,457.44	2,129.75	327.69	7.499		
7,450.00	7,167.26	16,003.05	7,061.03	35.00	293.52	89.30	1,623.83	213.76	2,459.61	2,132.87	326.73	7.528		
7,500.00	7,181.19	15,965.42	7,060.99	35.38	292.28	88.71	1,622.80	176.15	2,461.50	2,135.56	325.94	7.552		
7,550.00	7,191.34	15,918.24	7,060.92	35.81	290.73	88.24	1,621.68	128.99	2,463.04	2,138.22	324.81	7.583		
7,600.00	7,197.65	15,850.68	7,060.88	36.28	288.51	87.90	1,619.78	61.45	2,463.76	2,140.88	322.88	7.631		
7,650.00	7,200.08	15,798.06	7,060.89	36.80	286.79	87.83	1,617.99	8.86	2,463.56	2,141.90	321.66	7.659		
7,667.87	7,200.00	15,785.68	7,060.90	36.99	286.38	87.85	1,617.60	-3.51	2,463.37	2,141.86	321.51	7.662		
7,700.00	7,199.42	15,763.43	7,060.91	37.35	285.65	87.86	1,616.96	-25.76	2,463.06	2,141.79	321.27	7.667		
7,800.00	7,197.60	15,676.50	7,060.96	38.62	282.79	87.89	1,615.09	-112.66	2,462.79	2,142.91	319.88	7.699		
7,900.00	7,195.78	15,569.71	7,061.01	40.06	279.29	87.94	1,612.59	-219.42	2,462.35	2,144.56	317.79	7.748		
8,000.00	7,193.97	15,456.11	7,061.00	41.66	275.56	87.99	1,609.63	-332.99	2,461.67	2,146.10	315.56	7.801		
8,100.00	7,192.15	15,348.00	7,060.93	43.40	272.01	88.03	1,606.10	-441.04	2,460.31	2,146.62	313.69	7.843		
8,193.59	7,190.45	15,288.46	7,060.78	45.13	270.06	88.05	1,604.47	-500.56	2,459.59	2,145.78	313.82	7.838		
8,200.00	7,190.33	15,284.61	7,060.76	45.25	269.93	88.05	1,604.40	-504.40	2,459.60	2,145.76	313.84	7.837		
8,300.00	7,188.51	15,229.99	7,060.35	47.20	268.14	88.07	1,603.85	-559.02	2,460.57	2,146.21	314.36	7.827		
8,400.00	7,186.70	14,985.96	7,055.56	49.25	260.13	88.06	1,599.77	-802.83	2,462.72	2,155.79	306.94	8.024		
8,500.00	7,184.88	14,873.49	7,051.64	51.37	256.48	88.01	1,592.70	-914.99	2,458.45	2,153.26	305.19	8.055		
8,600.00	7,183.06	14,796.84	7,048.94	53.56	253.99	87.98	1,588.12	-991.46	2,454.52	2,149.34	305.18	8.043		
8,700.00	7,181.24	14,715.76	7,046.50	55.81	251.35	87.95	1,584.01	-1,072.40	2,451.46	2,146.46	305.00	8.038		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,179.43	14,629.74	7,044.68	58.11	248.54	87.94	1,580.26	-1,158.32	2,449.08	2,144.44	304.65	8.039		
8,900.00	7,177.61	14,538.85	7,043.20	60.46	245.57	87.95	1,576.73	-1,249.13	2,447.17	2,143.06	304.12	8.047		
9,000.00	7,175.79	14,395.15	7,043.59	62.85	240.89	88.01	1,570.50	-1,392.69	2,444.83	2,143.53	301.30	8.114		
9,100.00	7,173.98	14,252.90	7,044.08	65.28	236.28	88.08	1,561.65	-1,534.66	2,440.55	2,142.04	298.51	8.176		
9,200.00	7,172.16	14,111.14	7,044.28	67.74	231.72	88.14	1,550.06	-1,675.94	2,434.21	2,138.52	295.69	8.232		
9,300.00	7,170.34	14,014.40	7,044.43	70.23	228.61	88.18	1,541.50	-1,772.31	2,427.28	2,132.18	295.09	8.225		
9,400.00	7,168.52	13,927.69	7,044.60	72.74	225.82	88.22	1,534.03	-1,858.69	2,420.59	2,125.57	295.02	8.205		
9,500.00	7,166.71	13,852.00	7,044.78	75.28	223.39	88.25	1,528.35	-1,934.17	2,414.94	2,119.46	295.48	8.173		
9,600.00	7,164.89	13,780.11	7,045.01	77.84	221.07	88.29	1,523.73	-2,005.91	2,410.36	2,114.24	296.12	8.140		
9,700.00	7,163.07	13,713.19	7,045.25	80.43	218.90	88.32	1,520.05	-2,072.73	2,406.81	2,109.84	296.97	8.105		
9,800.00	7,161.26	13,645.40	7,045.48	83.02	216.70	88.35	1,517.40	-2,140.47	2,404.78	2,107.03	297.75	8.077		
9,900.00	7,159.44	13,573.00	7,045.86	85.64	214.35	88.39	1,515.15	-2,212.83	2,403.67	2,105.37	298.30	8.058		
9,941.18	7,158.69	13,539.10	7,046.04	86.72	213.24	88.41	1,514.34	-2,246.72	2,403.49	2,105.15	298.34	8.056		
10,000.00	7,157.62	13,504.01	7,046.15	88.27	212.10	88.43	1,513.84	-2,281.81	2,403.78	2,104.82	298.96	8.041		
10,100.00	7,155.80	13,386.00	7,046.23	90.91	208.25	88.48	1,512.68	-2,399.81	2,404.78	2,107.19	297.59	8.081		
10,200.00	7,153.99	13,328.07	7,046.31	93.56	206.37	88.51	1,512.15	-2,457.74	2,405.84	2,107.14	298.70	8.054		
10,300.00	7,152.17	13,261.78	7,046.49	96.23	204.20	88.54	1,512.80	-2,524.02	2,408.67	2,109.26	299.41	8.045		
10,400.00	7,150.35	13,142.75	7,046.75	98.90	200.31	88.60	1,514.58	-2,643.04	2,412.17	2,114.08	298.09	8.092		
10,500.00	7,148.54	12,892.20	7,047.41	101.59	192.20	88.73	1,506.93	-2,893.41	2,410.14	2,118.99	291.14	8.278		
10,600.00	7,146.72	12,808.83	7,047.45	104.28	189.52	88.76	1,502.64	-2,976.67	2,406.91	2,115.56	291.35	8.261		
10,700.00	7,144.90	12,669.17	7,047.51	106.98	185.05	88.82	1,495.23	-3,116.13	2,403.70	2,114.71	288.99	8.318		
10,800.00	7,143.08	12,559.46	7,047.63	109.69	181.55	88.87	1,487.31	-3,225.56	2,398.36	2,110.36	288.01	8.327		
10,900.00	7,141.27	12,404.06	7,047.89	112.41	176.63	88.94	1,474.39	-3,380.41	2,391.87	2,107.06	284.81	8.398		
11,000.00	7,139.45	12,358.00	7,048.01	115.13	175.17	88.96	1,470.06	-3,426.27	2,385.08	2,098.15	286.93	8.312		
11,100.00	7,137.63	12,297.87	7,047.81	117.86	173.26	88.98	1,465.58	-3,486.23	2,380.08	2,091.79	288.29	8.256		
11,200.00	7,135.82	12,265.00	7,047.41	120.59	172.22	88.98	1,464.19	-3,519.06	2,377.99	2,087.22	290.77	8.178		
11,251.38	7,134.88	12,227.64	7,046.74	122.00	171.02	88.98	1,463.25	-3,556.41	2,377.74	2,086.64	291.11	8.168		
11,300.00	7,134.00	12,199.23	7,046.13	123.33	170.10	88.98	1,462.80	-3,584.81	2,377.95	2,086.25	291.70	8.152		
11,400.00	7,132.18	11,959.59	7,040.16	126.07	162.46	88.94	1,453.55	-3,824.13	2,376.37	2,091.38	284.99	8.339		
11,500.00	7,130.36	11,872.71	7,038.25	128.82	159.72	88.93	1,447.54	-3,910.78	2,371.46	2,086.34	285.13	8.317		
11,600.00	7,128.55	11,811.35	7,037.50	131.57	157.78	88.94	1,444.09	-3,972.04	2,367.80	2,081.36	286.44	8.266		
11,700.00	7,126.73	11,756.26	7,037.28	134.33	156.03	88.96	1,441.94	-4,027.09	2,365.87	2,077.91	287.96	8.216		
11,748.04	7,125.86	11,730.70	7,037.15	135.66	155.21	88.97	1,441.32	-4,052.64	2,365.64	2,076.95	288.70	8.194		
11,800.00	7,124.91	11,703.11	7,036.98	137.09	154.34	88.97	1,440.92	-4,080.22	2,365.91	2,076.44	289.47	8.173		
11,900.00	7,123.10	11,611.78	7,036.59	139.85	151.42	89.00	1,440.25	-4,171.55	2,367.12	2,077.76	289.36	8.181		
12,000.00	7,121.28	11,524.92	7,036.50	142.62	148.64	89.04	1,440.01	-4,258.41	2,368.79	2,079.36	289.43	8.184		
12,100.00	7,119.46	11,384.36	7,036.56	145.39	144.18	89.11	1,438.56	-4,398.96	2,369.64	2,082.30	287.34	8.247		
12,200.00	7,117.64	11,293.40	7,036.75	148.16	141.30	89.15	1,437.11	-4,489.90	2,370.00	2,082.72	287.28	8.250		
12,300.00	7,115.83	11,210.27	7,036.14	150.94	138.67	89.17	1,436.30	-4,573.03	2,370.98	2,083.45	287.53	8.246		
12,400.00	7,114.01	11,105.61	7,034.60	153.72	135.36	89.18	1,435.91	-4,677.68	2,372.60	2,085.69	286.91	8.269		
12,500.00	7,112.19	10,963.28	7,032.23	156.50	130.89	89.19	1,433.03	-4,819.96	2,372.42	2,087.68	284.74	8.332		
12,600.00	7,110.37	10,863.26	7,030.70	159.28	127.77	89.19	1,430.38	-4,919.93	2,371.75	2,087.41	284.34	8.341		
12,700.00	7,108.56	10,463.15	7,022.45	162.07	115.70	89.16	1,399.27	-5,318.17	2,369.41	2,099.96	269.45	8.794		
12,800.00	7,106.74	10,396.00	7,021.68	164.86	113.76	89.17	1,389.93	-5,384.66	2,357.25	2,086.37	270.88	8.702		
12,900.00	7,104.92	10,337.79	7,021.26	167.65	112.07	89.18	1,382.74	-5,442.42	2,346.58	2,073.84	272.74	8.604		
13,000.00	7,103.11	10,277.09	7,020.89	170.44	110.31	89.20	1,375.69	-5,502.71	2,337.03	2,062.61	274.42	8.516		
13,100.00	7,101.29	10,211.00	7,021.27	173.23	108.38	89.24	1,369.90	-5,568.54	2,329.87	2,054.09	275.78	8.448		
13,200.00	7,099.47	10,173.58	7,021.78	176.03	107.28	89.26	1,367.39	-5,605.87	2,324.50	2,046.06	278.44	8.348		
13,300.00	7,097.65	10,099.36	7,022.95	178.82	105.09	89.33	1,363.18	-5,679.96	2,320.73	2,041.41	279.32	8.309		
13,400.00	7,095.84	10,025.00	7,024.33	181.62	102.91	89.39	1,359.35	-5,754.21	2,317.63	2,037.46	280.17	8.272		
13,500.00	7,094.02	9,953.47	7,025.74	184.42	100.82	89.46	1,356.50	-5,825.67	2,315.71	2,034.59	281.11	8.238		
13,543.77	7,093.22	9,932.00	7,026.16	185.65	100.19	89.48	1,355.95	-5,847.13	2,315.46	2,033.54	281.92	8.213		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
13,600.00	7,092.20	9,898.80	7,026.80	187.22	99.21	89.51	1,355.41	-5,880.31	2,315.69	2,032.99	282.70	8.191		
13,700.00	7,090.39	9,839.00	7,027.96	190.03	97.45	89.57	1,355.55	-5,940.10	2,317.74	2,033.74	284.00	8.161		
13,800.00	7,088.57	9,788.57	7,028.92	192.83	95.96	89.61	1,356.63	-5,990.51	2,321.69	2,036.14	285.55	8.131		
13,900.00	7,086.75	9,725.19	7,030.06	195.64	94.08	89.67	1,359.05	-6,053.83	2,327.42	2,040.86	286.55	8.122		
14,000.00	7,084.93	9,651.00	7,030.69	198.44	91.90	89.72	1,362.72	-6,127.93	2,334.35	2,047.21	287.14	8.130		
14,100.00	7,083.12	9,583.68	7,030.81	201.25	89.92	89.75	1,366.89	-6,195.12	2,342.52	2,054.60	287.91	8.136		
14,200.00	7,081.30	9,448.39	7,030.92	204.06	85.99	89.82	1,375.92	-6,330.11	2,351.34	2,064.75	286.59	8.205		
14,300.00	7,079.48	9,275.78	7,030.51	206.87	81.15	89.88	1,382.15	-6,502.60	2,356.71	2,072.69	284.02	8.298		
14,400.00	7,077.67	9,208.24	7,029.81	209.68	79.30	89.90	1,384.16	-6,570.10	2,361.68	2,076.72	284.96	8.288		
14,500.00	7,075.85	9,029.80	7,028.51	212.49	74.59	89.94	1,388.85	-6,748.47	2,366.74	2,084.52	282.23	8.386		
14,600.00	7,074.03	8,743.89	7,025.61	215.31	67.96	90.00	1,377.38	-7,034.03	2,363.82	2,088.54	275.28	8.587		
14,700.00	7,072.21	8,651.82	7,025.68	218.12	66.10	90.04	1,370.53	-7,125.84	2,358.37	2,082.60	275.77	8.552		
14,800.00	7,070.40	8,480.53	7,027.15	220.93	63.08	90.15	1,356.21	-7,296.52	2,352.19	2,078.92	273.26	8.608		
14,900.00	7,068.58	8,354.55	7,028.21	223.75	61.27	90.24	1,342.47	-7,421.74	2,343.21	2,070.53	272.68	8.593		
15,000.00	7,066.76	8,258.67	7,029.08	226.57	60.11	90.30	1,331.68	-7,517.01	2,333.93	2,060.52	273.41	8.536		
15,100.00	7,064.95	8,176.88	7,029.75	229.38	59.26	90.35	1,322.85	-7,598.32	2,325.13	2,050.37	274.75	8.463		
15,200.00	7,063.13	8,101.66	7,030.37	232.20	58.57	90.40	1,315.42	-7,673.17	2,317.23	2,040.85	276.39	8.384		
15,300.00	7,061.31	7,968.03	7,031.15	235.02	57.59	90.49	1,302.85	-7,806.20	2,310.03	2,033.80	276.23	8.363		
15,400.00	7,059.49	7,839.10	7,030.00	237.84	56.95	90.52	1,288.04	-7,934.26	2,300.50	2,023.92	276.57	8.318		
15,500.00	7,057.68	7,774.00	7,026.59	240.66	56.72	90.46	1,280.10	-7,998.78	2,290.55	2,011.66	278.89	8.213		
15,600.00	7,055.86	7,730.52	7,022.62	243.48	56.55	90.38	1,275.67	-8,041.85	2,282.79	2,001.03	281.77	8.102		
15,647.29	7,055.00	7,716.31	7,020.98	244.81	56.50	90.35	1,274.63	-8,055.93	2,280.25	1,997.03	283.22	8.051 CC, ES		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-71.05	2,776.08	-8,083.94	8,826.06					
100.00	100.00	2,290.11	2,207.48	3.28	15.10	-71.13	2,759.91	-8,076.44	8,801.25	8,784.34	16.91	520.555		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-71.20	2,747.71	-8,071.32	8,777.20	8,760.00	17.20	510.444		
300.00	300.00	2,366.61	2,279.16	3.44	15.73	-71.27	2,735.14	-8,066.42	8,753.81	8,736.26	17.55	498.895		
400.00	399.98	2,418.00	2,327.31	3.60	16.16	152.84	2,718.27	-8,060.27	8,732.56	8,714.53	18.03	484.389		
500.00	499.84	2,473.36	2,379.18	3.79	16.62	152.91	2,699.98	-8,053.96	8,714.88	8,696.30	18.58	468.999		
600.00	599.45	2,686.00	2,578.52	4.03	18.39	152.72	2,630.38	-8,028.76	8,700.31	8,679.98	20.32	428.110		
700.00	698.70	2,727.68	2,617.61	4.30	18.74	152.77	2,616.94	-8,023.47	8,688.05	8,667.18	20.87	416.369		
790.00	787.61	2,775.00	2,662.03	4.57	19.14	152.78	2,601.62	-8,017.89	8,680.31	8,658.85	21.46	404.472		
800.00	797.47	2,775.00	2,662.03	4.60	19.14	152.78	2,601.62	-8,017.89	8,679.61	8,658.12	21.49	403.898		
900.00	896.01	2,807.89	2,692.92	4.94	19.41	152.74	2,590.90	-8,014.28	8,673.09	8,651.04	22.05	393.327		
1,000.00	994.55	2,865.00	2,746.50	5.30	19.89	152.66	2,572.02	-8,008.46	8,667.25	8,644.43	22.81	379.904		
1,100.00	1,093.09	2,938.13	2,815.09	5.68	20.50	152.56	2,547.65	-8,001.38	8,661.85	8,638.13	23.72	365.133		
1,200.00	1,191.63	3,044.90	2,915.23	6.08	21.39	152.41	2,512.11	-7,990.97	8,656.48	8,631.58	24.90	347.666		
1,300.00	1,290.17	3,127.91	2,993.09	6.49	22.09	152.30	2,484.47	-7,982.90	8,651.19	8,625.28	25.92	333.827		
1,400.00	1,388.71	1,400.00	3,148.78	6.91	8.01	152.07	2,429.41	-7,966.02	8,645.54	8,631.64	13.90	622.112		
1,500.00	1,487.25	3,367.08	3,217.41	7.34	24.10	151.97	2,405.26	-7,958.27	8,639.68	8,611.15	28.53	302.862		
1,600.00	1,585.79	3,997.14	3,808.24	7.77	29.47	151.22	2,206.69	-7,869.22	8,630.43	8,597.00	33.43	258.194		
1,700.00	1,684.34	4,028.00	3,837.19	8.22	29.73	151.18	2,197.49	-7,863.78	8,619.19	8,585.10	34.09	252.848		
1,800.00	1,782.88	4,064.12	3,871.09	8.66	30.04	151.15	2,186.60	-7,857.73	8,608.70	8,573.90	34.80	247.395		
1,900.00	1,881.42	4,117.00	3,920.77	9.12	30.49	151.09	2,170.34	-7,849.73	8,599.22	8,563.59	35.63	241.365		
2,000.00	1,979.96	4,117.00	3,920.77	9.57	30.49	151.09	2,170.34	-7,849.73	8,590.30	8,554.20	36.10	237.979		
2,100.00	2,078.50	4,170.39	3,970.91	10.03	30.94	151.02	2,153.52	-7,842.40	8,582.21	8,545.26	36.95	232.257		
2,200.00	2,177.04	4,236.39	4,032.81	10.49	31.51	150.94	2,132.24	-7,833.91	8,574.68	8,536.78	37.90	226.221		
2,300.00	2,275.58	4,355.54	4,144.50	10.95	32.53	150.78	2,093.69	-7,818.61	8,567.23	8,527.98	39.25	218.260		
2,400.00	2,374.12	4,711.14	4,477.91	11.42	35.60	150.35	1,981.61	-7,766.59	8,558.92	8,516.66	42.26	202.529		
2,500.00	2,472.66	4,783.97	4,546.18	11.89	36.23	150.27	1,959.34	-7,754.44	8,548.49	8,505.23	43.26	197.611		
2,600.00	2,571.20	4,833.00	4,592.12	12.36	36.65	150.22	1,944.14	-7,746.59	8,538.59	8,494.49	44.10	193.623		
2,700.00	2,669.74	4,910.64	4,664.86	12.83	37.32	150.12	1,919.78	-7,734.58	8,529.11	8,483.96	45.15	188.916		
2,800.00	2,768.28	4,997.39	4,746.12	13.30	38.08	150.02	1,892.37	-7,721.44	8,519.89	8,473.63	46.27	184.149		
2,900.00	2,866.83	5,056.25	4,801.26	13.78	38.59	149.95	1,873.76	-7,712.67	8,510.96	8,463.77	47.19	180.351		
3,000.00	2,965.37	5,102.00	4,844.14	14.25	38.98	149.89	1,859.25	-7,706.11	8,502.59	8,454.56	48.02	177.049		
3,100.00	3,063.91	5,173.33	4,911.05	14.73	39.60	149.80	1,836.57	-7,696.23	8,494.68	8,445.64	49.04	173.206		
3,200.00	3,162.45	5,237.26	4,971.06	15.20	40.15	149.72	1,816.27	-7,687.65	8,487.23	8,437.22	50.01	169.706		
3,300.00	3,260.99	5,304.07	5,033.84	15.68	40.72	149.64	1,795.16	-7,678.93	8,480.20	8,429.20	51.00	166.272		
3,400.00	3,359.53	5,370.00	5,095.76	16.16	41.28	149.55	1,774.09	-7,670.61	8,473.54	8,421.55	51.99	162.985		
3,500.00	3,458.07	5,436.57	5,158.26	16.64	41.85	149.46	1,752.66	-7,662.53	8,467.29	8,414.30	52.99	159.798		
3,600.00	3,556.61	5,511.52	5,228.70	17.12	42.49	149.36	1,728.61	-7,653.70	8,461.45	8,407.41	54.05	156.558		
3,700.00	3,655.15	5,700.00	5,338.80	17.60	27.16	149.21	1,691.35	-7,639.77	8,455.62	8,414.64	40.98	206.321		
3,800.00	3,753.69	5,680.87	5,387.94	18.08	43.92	149.14	1,674.57	-7,633.60	8,449.93	8,393.62	56.31	150.051		
3,900.00	3,852.23	5,728.00	5,432.23	18.56	44.32	149.08	1,659.29	-7,628.53	8,445.02	8,387.85	57.17	147.711		
4,000.00	3,950.77	5,997.00	5,684.71	19.04	46.62	148.72	1,572.14	-7,596.83	8,439.07	8,379.38	59.70	141.359		
4,100.00	4,049.31	6,053.50	5,737.79	19.52	47.11	148.64	1,554.21	-7,589.51	8,432.57	8,371.94	60.63	139.078		
4,200.00	4,147.86	6,295.86	5,965.29	20.00	49.19	148.33	1,476.79	-7,558.22	8,426.40	8,363.47	62.93	133.898		
4,300.00	4,246.40	6,326.57	5,994.10	20.49	49.45	148.29	1,467.05	-7,553.99	8,419.09	8,355.40	63.68	132.205		
4,400.00	4,344.94	6,355.00	6,020.78	20.97	49.70	148.25	1,457.93	-7,550.33	8,412.60	8,348.19	64.41	130.603		
4,500.00	4,443.48	6,386.46	6,050.31	21.45	49.97	148.21	1,447.72	-7,546.58	8,406.95	8,341.78	65.17	128.999		
4,600.00	4,542.02	6,415.75	6,077.79	21.94	50.22	148.17	1,438.12	-7,543.37	8,402.14	8,336.23	65.91	127.483		
4,700.00	4,640.56	6,445.00	6,105.23	22.42	50.47	148.13	1,428.44	-7,540.43	8,398.18	8,331.54	66.64	126.018		
4,800.00	4,739.10	6,483.56	6,141.45	22.91	50.79	148.07	1,415.71	-7,536.85	8,395.02	8,327.57	67.45	124.470		
4,900.00	4,837.64	6,534.00	6,188.96	23.39	51.21	148.00	1,399.33	-7,532.51	8,392.61	8,324.27	68.34	122.806		
5,000.00	4,936.18	6,534.00	6,188.96	23.87	51.21	148.00	1,399.33	-7,532.51	8,391.02	8,322.19	68.83	121.905		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,083.86	5,018.82	6,534.00	6,188.96	24.28	51.21	148.00	1,399.33	-7,532.51	8,390.60	8,321.36	69.24	121.185		
5,100.00	5,034.72	6,534.00	6,188.96	24.36	51.21	148.00	1,399.33	-7,532.51	8,390.62	8,321.30	69.32	121.050		
5,200.00	5,133.26	6,534.00	6,188.96	24.84	51.21	148.00	1,399.33	-7,532.51	8,391.40	8,321.61	69.79	120.239		
5,300.00	5,231.80	6,579.96	6,232.36	25.33	51.57	147.93	1,384.48	-7,529.64	8,392.39	8,321.76	70.63	118.823		
5,400.00	5,330.34	6,624.00	6,273.97	25.82	51.92	147.87	1,370.11	-7,528.60	8,395.43	8,323.97	71.45	117.496		
5,500.00	5,428.89	6,624.00	6,273.97	26.30	51.92	147.87	1,370.11	-7,528.60	8,398.74	8,326.83	71.91	116.801		
5,600.00	5,527.43	6,624.00	6,273.97	26.79	51.92	147.87	1,370.11	-7,528.60	8,403.24	8,330.89	72.35	116.147		
5,700.00	5,625.97	6,624.00	6,273.97	27.27	51.92	147.87	1,370.11	-7,528.60	8,408.93	8,336.15	72.78	115.534		
5,800.00	5,724.51	6,624.00	6,273.97	27.76	51.92	147.87	1,370.11	-7,528.60	8,415.81	8,342.60	73.21	114.961		
5,900.00	5,823.05	6,624.00	6,273.97	28.24	51.92	147.87	1,370.11	-7,528.60	8,423.87	8,350.25	73.62	114.427		
6,000.00	5,921.59	6,624.00	6,273.97	28.73	51.92	147.87	1,370.11	-7,528.60	8,433.10	8,359.08	74.02	113.931		
6,100.00	6,020.13	6,624.00	6,273.97	29.22	51.92	147.87	1,370.11	-7,528.60	8,443.51	8,369.10	74.41	113.472		
6,200.00	6,118.67	6,665.55	6,313.22	29.70	52.21	147.80	1,356.53	-7,529.63	8,453.79	8,378.63	75.16	112.475		
6,300.00	6,217.21	6,673.11	6,320.36	30.19	52.26	147.79	1,354.07	-7,530.08	8,466.02	8,390.41	75.60	111.979		
6,400.00	6,315.75	6,714.00	6,358.83	30.68	52.54	147.72	1,340.80	-7,533.93	8,480.16	8,403.82	76.34	111.085		
6,500.00	6,414.29	6,714.00	6,358.83	31.16	52.54	147.72	1,340.80	-7,533.93	8,494.20	8,417.51	76.70	110.752		
6,582.51	6,495.60	6,714.00	6,358.83	31.57	52.54	147.72	1,340.80	-7,533.93	8,506.65	8,429.67	76.98	110.502		
6,600.00	6,512.86	6,714.00	6,358.83	31.65	52.54	140.14	1,340.80	-7,533.93	8,509.17	8,432.13	77.04	110.451		
6,650.00	6,562.39	6,714.00	6,358.83	31.88	52.54	109.62	1,340.80	-7,533.93	8,514.00	8,436.80	77.20	110.287		
6,700.00	6,611.96	6,714.00	6,358.83	32.08	52.54	76.75	1,340.80	-7,533.93	8,515.35	8,438.01	77.34	110.108		
6,750.00	6,661.26	6,714.00	6,358.83	32.27	52.54	56.08	1,340.80	-7,533.93	8,513.20	8,435.75	77.45	109.918		
6,800.00	6,709.99	6,714.00	6,358.83	32.44	52.54	44.91	1,340.80	-7,533.93	8,507.57	8,430.03	77.54	109.716		
6,850.00	6,757.84	6,714.00	6,358.83	32.61	52.54	38.54	1,340.80	-7,533.93	8,498.49	8,420.87	77.61	109.500		
6,900.00	6,804.53	6,714.00	6,358.83	32.77	52.54	34.67	1,340.80	-7,533.93	8,485.99	8,408.33	77.66	109.267		
6,950.00	6,849.77	6,714.00	6,358.83	32.92	52.54	32.24	1,340.80	-7,533.93	8,470.14	8,392.45	77.70	109.017		
7,000.00	6,893.27	6,714.00	6,358.83	33.07	52.54	30.73	1,340.80	-7,533.93	8,451.03	8,373.32	77.71	108.750		
7,050.00	6,934.77	6,714.00	6,358.83	33.23	52.54	29.87	1,340.80	-7,533.93	8,428.74	8,351.02	77.71	108.463		
7,100.00	6,974.01	6,714.00	6,358.83	33.39	52.54	29.52	1,340.80	-7,533.93	8,403.38	8,325.69	77.70	108.155		
7,150.00	7,010.75	6,714.00	6,358.83	33.55	52.54	29.61	1,340.80	-7,533.93	8,375.10	8,297.43	77.67	107.826		
7,200.00	7,044.77	6,714.00	6,358.83	33.72	52.54	30.11	1,340.80	-7,533.93	8,344.03	8,266.39	77.64	107.472		
7,250.00	7,075.85	6,714.00	6,358.83	33.92	52.54	31.03	1,340.80	-7,533.93	8,310.34	8,232.74	77.60	107.092		
7,300.00	7,103.80	6,714.00	6,358.83	34.13	52.54	32.41	1,340.80	-7,533.93	8,274.20	8,196.64	77.56	106.685		
7,350.00	7,128.45	6,714.00	6,358.83	34.38	52.54	34.32	1,340.80	-7,533.93	8,235.80	8,158.29	77.51	106.249		
7,400.00	7,149.65	6,714.00	6,358.83	34.67	52.54	36.90	1,340.80	-7,533.93	8,195.35	8,117.88	77.47	105.783		
7,450.00	7,167.26	6,714.00	6,358.83	35.00	52.54	40.33	1,340.80	-7,533.93	8,153.08	8,075.64	77.44	105.286		
7,500.00	7,181.19	6,754.89	6,397.10	35.38	52.77	45.15	1,327.78	-7,540.05	8,108.00	8,030.20	77.80	104.213		
7,550.00	7,191.34	6,756.50	6,398.60	35.81	52.78	51.35	1,327.28	-7,540.34	8,062.68	7,984.88	77.80	103.634		
7,600.00	7,197.65	6,757.81	6,399.83	36.28	52.79	59.63	1,326.87	-7,540.57	8,016.30	7,938.49	77.81	103.029		
7,650.00	7,200.08	6,758.82	6,400.77	36.80	52.79	70.48	1,326.55	-7,540.76	7,969.11	7,891.28	77.82	102.399		
7,667.87	7,200.00	6,759.11	6,401.04	36.99	52.80	75.03	1,326.46	-7,540.81	7,952.10	7,874.26	77.83	102.167		
7,700.00	7,199.42	6,759.59	6,401.48	37.35	52.80	75.04	1,326.31	-7,540.89	7,921.48	7,843.62	77.85	101.749		
7,800.00	7,197.60	6,761.09	6,402.89	38.62	52.81	75.07	1,325.84	-7,541.17	7,826.23	7,748.31	77.93	100.429		
7,900.00	7,195.78	6,762.64	6,404.33	40.06	52.82	75.10	1,325.36	-7,541.46	7,731.11	7,653.08	78.03	99.077		
8,000.00	7,193.97	6,803.00	6,441.77	41.66	53.04	75.90	1,312.99	-7,550.04	7,637.20	7,558.66	78.54	97.240		
8,100.00	7,192.15	6,803.00	6,441.77	43.40	53.04	75.90	1,312.99	-7,550.04	7,542.24	7,463.55	78.69	95.850		
8,200.00	7,190.33	6,803.00	6,441.77	45.25	53.04	75.90	1,312.99	-7,550.04	7,447.40	7,368.54	78.87	94.429		
8,300.00	7,188.51	6,803.00	6,441.77	47.20	53.04	75.90	1,312.99	-7,550.04	7,352.71	7,273.63	79.08	92.976		
8,400.00	7,186.70	6,803.00	6,441.77	49.25	53.04	75.90	1,312.99	-7,550.04	7,258.15	7,178.82	79.33	91.494		
8,500.00	7,184.88	6,803.00	6,441.77	51.37	53.04	75.90	1,312.99	-7,550.04	7,163.75	7,084.13	79.61	89.981		
8,600.00	7,183.06	6,803.00	6,441.77	53.56	53.04	75.90	1,312.99	-7,550.04	7,069.49	6,989.56	79.94	88.438		
8,700.00	7,181.24	6,803.00	6,441.77	55.81	53.04	75.90	1,312.99	-7,550.04	6,975.40	6,895.10	80.30	86.868		
8,800.00	7,179.43	6,803.00	6,441.77	58.11	53.04	75.90	1,312.99	-7,550.04	6,881.47	6,800.77	80.70	85.270		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	6,803.00	6,441.77	60.46	53.04	75.90	1,312.99	-7,550.04	6,787.72	6,706.57	81.15	83.647		
9,000.00	7,175.79	6,803.00	6,441.77	62.85	53.04	75.90	1,312.99	-7,550.04	6,694.15	6,612.51	81.64	82.000		
9,100.00	7,173.98	6,803.00	6,441.77	65.28	53.04	75.90	1,312.99	-7,550.04	6,600.77	6,518.59	82.17	80.330		
9,200.00	7,172.16	6,803.00	6,441.77	67.74	53.04	75.90	1,312.99	-7,550.04	6,507.58	6,424.83	82.75	78.640		
9,300.00	7,170.34	6,803.00	6,441.77	70.23	53.04	75.90	1,312.99	-7,550.04	6,414.60	6,331.22	83.38	76.932		
9,400.00	7,168.52	6,803.00	6,441.77	72.74	53.04	75.90	1,312.99	-7,550.04	6,321.83	6,237.77	84.06	75.207		
9,500.00	7,166.71	6,803.00	6,441.77	75.28	53.04	75.90	1,312.99	-7,550.04	6,229.29	6,144.50	84.79	73.469		
9,600.00	7,164.89	6,803.00	6,441.77	77.84	53.04	75.90	1,312.99	-7,550.04	6,136.98	6,051.41	85.57	71.718		
9,700.00	7,163.07	6,803.00	6,441.77	80.43	53.04	75.90	1,312.99	-7,550.04	6,044.91	5,958.50	86.41	69.959		
9,800.00	7,161.26	6,803.00	6,441.77	83.02	53.04	75.90	1,312.99	-7,550.04	5,953.10	5,865.80	87.30	68.194		
9,900.00	7,159.44	6,803.00	6,441.77	85.64	53.04	75.90	1,312.99	-7,550.04	5,861.56	5,773.32	88.24	66.424		
10,000.00	7,157.62	6,803.00	6,441.77	88.27	53.04	75.90	1,312.99	-7,550.04	5,770.30	5,681.05	89.25	64.653		
10,100.00	7,155.80	6,803.00	6,441.77	90.91	53.04	75.90	1,312.99	-7,550.04	5,679.33	5,589.02	90.32	62.883		
10,200.00	7,153.99	6,803.00	6,441.77	93.56	53.04	75.90	1,312.99	-7,550.04	5,588.68	5,497.24	91.44	61.117		
10,300.00	7,152.17	6,803.00	6,441.77	96.23	53.04	75.90	1,312.99	-7,550.04	5,498.34	5,405.71	92.63	59.357		
10,400.00	7,150.35	6,803.00	6,441.77	98.90	53.04	75.90	1,312.99	-7,550.04	5,408.35	5,314.46	93.89	57.605		
10,500.00	7,148.54	6,803.00	6,441.77	101.59	53.04	75.90	1,312.99	-7,550.04	5,318.72	5,223.51	95.21	55.864		
10,600.00	7,146.72	6,803.00	6,441.77	104.28	53.04	75.90	1,312.99	-7,550.04	5,229.46	5,132.86	96.60	54.137		
10,700.00	7,144.90	6,803.00	6,441.77	106.98	53.04	75.90	1,312.99	-7,550.04	5,140.59	5,042.54	98.06	52.425		
10,800.00	7,143.08	6,803.00	6,441.77	109.69	53.04	75.90	1,312.99	-7,550.04	5,052.14	4,952.56	99.59	50.730		
10,900.00	7,141.27	6,803.00	6,441.77	112.41	53.04	75.90	1,312.99	-7,550.04	4,964.13	4,862.94	101.19	49.055		
11,000.00	7,139.45	6,843.23	6,478.68	115.13	53.22	76.70	1,300.93	-7,560.56	4,875.55	4,772.42	103.12	47.278		
11,100.00	7,137.63	6,847.68	6,482.74	117.86	53.24	76.79	1,299.61	-7,561.84	4,788.25	4,683.34	104.91	45.643		
11,200.00	7,135.82	6,852.30	6,486.93	120.59	53.26	76.88	1,298.23	-7,563.18	4,701.43	4,594.66	106.77	44.034		
11,300.00	7,134.00	6,892.00	6,522.72	123.33	53.44	77.68	1,286.52	-7,575.76	4,615.89	4,507.00	108.89	42.391		
11,400.00	7,132.18	6,892.00	6,522.72	126.07	53.44	77.68	1,286.52	-7,575.76	4,529.89	4,419.01	110.89	40.851		
11,500.00	7,130.36	6,892.00	6,522.72	128.82	53.44	77.68	1,286.52	-7,575.76	4,444.49	4,331.51	112.97	39.340		
11,600.00	7,128.55	6,892.00	6,522.72	131.57	53.44	77.68	1,286.52	-7,575.76	4,359.70	4,244.54	115.16	37.859		
11,700.00	7,126.73	6,892.00	6,522.72	134.33	53.44	77.68	1,286.52	-7,575.76	4,275.57	4,158.14	117.43	36.409		
11,800.00	7,124.91	6,892.00	6,522.72	137.09	53.44	77.68	1,286.52	-7,575.76	4,192.14	4,072.33	119.81	34.991		
11,900.00	7,123.10	6,892.00	6,522.72	139.85	53.44	77.68	1,286.52	-7,575.76	4,109.45	3,987.16	122.28	33.606		
12,000.00	7,121.28	6,892.00	6,522.72	142.62	53.44	77.68	1,286.52	-7,575.76	4,027.54	3,902.67	124.87	32.255		
12,100.00	7,119.46	6,892.00	6,522.72	145.39	53.44	77.68	1,286.52	-7,575.76	3,946.47	3,818.91	127.56	30.939		
12,200.00	7,117.64	6,892.00	6,522.72	148.16	53.44	77.68	1,286.52	-7,575.76	3,866.28	3,735.92	130.36	29.659		
12,300.00	7,115.83	6,892.00	6,522.72	150.94	53.44	77.68	1,286.52	-7,575.76	3,787.04	3,653.76	133.28	28.415		
12,400.00	7,114.01	6,892.00	6,522.72	153.72	53.44	77.68	1,286.52	-7,575.76	3,708.79	3,572.48	136.31	27.208		
12,500.00	7,112.19	6,892.00	6,522.72	156.50	53.44	77.68	1,286.52	-7,575.76	3,631.62	3,492.15	139.47	26.039		
12,600.00	7,110.37	6,933.93	6,559.74	159.28	53.59	78.52	1,274.33	-7,591.18	3,554.29	3,411.45	142.84	24.883		
12,700.00	7,108.56	6,941.47	6,566.30	162.07	53.61	78.67	1,272.16	-7,594.20	3,478.97	3,332.71	146.25	23.787		
12,800.00	7,106.74	6,982.00	6,600.94	164.86	53.76	79.47	1,260.61	-7,611.78	3,405.60	3,255.80	149.80	22.734		
12,900.00	7,104.92	6,982.00	6,600.94	167.65	53.76	79.47	1,260.61	-7,611.78	3,332.36	3,178.90	153.46	21.715		
13,000.00	7,103.11	6,982.00	6,600.94	170.44	53.76	79.47	1,260.61	-7,611.78	3,260.54	3,103.28	157.26	20.734		
13,100.00	7,101.29	6,982.00	6,600.94	173.23	53.76	79.47	1,260.61	-7,611.78	3,190.24	3,029.04	161.19	19.791		
13,200.00	7,099.47	6,982.00	6,600.94	176.03	53.76	79.47	1,260.61	-7,611.78	3,121.56	2,956.29	165.26	18.888		
13,300.00	7,097.65	6,982.00	6,600.94	178.82	53.76	79.47	1,260.61	-7,611.78	3,054.61	2,885.13	169.47	18.024		
13,400.00	7,095.84	6,982.00	6,600.94	181.62	53.76	79.47	1,260.61	-7,611.78	2,989.50	2,815.69	173.81	17.200		
13,500.00	7,094.02	6,982.00	6,600.94	184.42	53.76	79.47	1,260.61	-7,611.78	2,926.37	2,748.08	178.29	16.414		
13,600.00	7,092.20	7,021.08	6,633.21	187.22	53.85	80.23	1,249.87	-7,631.01	2,863.98	2,681.14	182.84	15.664		
13,700.00	7,090.39	7,031.54	6,641.62	190.03	53.88	80.43	1,247.10	-7,636.58	2,804.39	2,616.84	187.54	14.953		
13,800.00	7,088.57	7,071.00	6,672.42	192.83	53.98	81.17	1,237.06	-7,659.09	2,747.62	2,555.39	192.24	14.293		
13,900.00	7,086.75	7,071.00	6,672.42	195.64	53.98	81.17	1,237.06	-7,659.09	2,691.96	2,494.76	197.20	13.651		
14,000.00	7,084.93	7,071.00	6,672.42	198.44	53.98	81.17	1,237.06	-7,659.09	2,638.91	2,436.65	202.26	13.047		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 20-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	7,083.12	7,071.00	6,672.42	201.25	53.98	81.17	1,237.06	-7,659.09	2,588.64	2,381.23	207.41	12.481	
14,200.00	7,081.30	7,071.00	6,672.42	204.06	53.98	81.17	1,237.06	-7,659.09	2,541.31	2,328.69	212.62	11.952	
14,300.00	7,079.48	7,109.24	6,700.85	206.87	54.03	81.86	1,228.11	-7,683.04	2,495.86	2,278.13	217.74	11.463	
14,400.00	7,077.67	7,124.99	6,712.15	209.68	54.05	82.14	1,224.69	-7,693.46	2,453.73	2,230.77	222.97	11.005	
14,500.00	7,075.85	7,161.00	6,737.02	212.49	54.09	82.76	1,217.50	-7,718.48	2,414.87	2,186.79	228.08	10.588	
14,600.00	7,074.03	7,161.00	6,737.02	215.31	54.09	82.76	1,217.50	-7,718.48	2,378.46	2,145.07	233.40	10.191	
14,700.00	7,072.21	7,161.00	6,737.02	218.12	54.09	82.76	1,217.50	-7,718.48	2,345.76	2,107.10	238.65	9.829	
14,800.00	7,070.40	7,201.65	6,763.50	220.93	54.10	83.43	1,210.37	-7,748.48	2,315.71	2,072.05	243.67	9.504	
14,900.00	7,068.58	7,250.00	6,792.75	223.75	54.12	84.18	1,203.26	-7,786.31	2,289.64	2,041.13	248.51	9.214	
15,000.00	7,066.76	7,250.00	6,792.75	226.57	54.12	84.18	1,203.26	-7,786.31	2,265.95	2,012.45	253.50	8.939	
15,100.00	7,064.95	7,250.00	6,792.75	229.38	54.12	84.18	1,203.26	-7,786.31	2,246.47	1,988.17	258.30	8.697	
15,200.00	7,063.13	7,297.18	6,818.78	232.20	54.09	84.86	1,197.95	-7,825.28	2,229.64	1,966.83	262.81	8.484	
15,300.00	7,061.31	7,340.00	6,840.15	235.02	54.06	85.43	1,194.69	-7,862.23	2,216.85	1,949.73	267.12	8.299	
15,400.00	7,059.49	7,340.00	6,840.15	237.84	54.06	85.43	1,194.69	-7,862.23	2,207.14	1,935.86	271.27	8.136	
15,500.00	7,057.68	7,387.13	6,860.95	240.66	53.99	85.99	1,192.56	-7,904.46	2,200.65	1,925.40	275.25	7.995	
15,600.00	7,055.86	7,429.00	6,876.89	243.48	53.94	86.42	1,191.70	-7,943.16	2,197.34	1,918.35	278.98	7.876	
15,647.29	7,055.00	7,445.54	6,882.54	244.81	53.91	86.57	1,191.60	-7,958.70	2,196.76	1,916.07	280.69	7.826 CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-85.97	523.53	-7,431.62	7,450.05					
100.00	100.00	87.00	87.00	3.28	3.61	-85.97	523.53	-7,431.62	7,450.04	7,443.14	6.90	1,079.843		
200.00	200.00	187.00	187.00	3.34	5.80	-85.97	523.53	-7,431.62	7,450.04	7,440.91	9.14	815.427		
300.00	300.00	287.00	287.00	3.44	8.90	-85.97	523.53	-7,431.62	7,450.04	7,437.70	12.35	603.485		
400.00	399.98	386.98	386.98	3.60	12.21	138.02	523.53	-7,431.62	7,451.34	7,435.53	15.81	471.325		
500.00	499.84	486.84	486.84	3.79	15.60	138.00	523.53	-7,431.62	7,455.23	7,435.84	19.39	384.533		
600.00	599.45	586.45	586.45	4.03	19.01	137.95	523.53	-7,431.62	7,461.72	7,438.68	23.04	323.917		
700.00	698.70	685.70	685.70	4.30	22.43	137.89	523.53	-7,431.62	7,470.79	7,444.07	26.73	279.511		
790.00	787.61	774.61	774.61	4.57	25.51	137.82	523.53	-7,431.62	7,481.17	7,451.10	30.08	248.745		
800.00	797.47	784.47	784.47	4.60	25.85	137.83	523.53	-7,431.62	7,482.44	7,451.99	30.45	245.724		
900.00	896.01	883.01	883.01	4.94	29.26	137.92	523.53	-7,431.62	7,495.15	7,460.96	34.19	219.200		
1,000.00	994.55	981.55	981.55	5.30	32.69	138.01	523.53	-7,431.62	7,507.88	7,469.91	37.96	197.767		
1,100.00	1,093.09	1,080.09	1,080.09	5.68	36.11	138.09	523.53	-7,431.62	7,520.62	7,478.86	41.76	180.111		
1,200.00	1,191.63	1,178.63	1,178.63	6.08	39.54	138.18	523.53	-7,431.62	7,533.38	7,487.81	45.57	165.332		
1,300.00	1,290.17	1,277.17	1,277.17	6.49	42.97	138.26	523.53	-7,431.62	7,546.15	7,496.76	49.39	152.790		
1,400.00	1,388.71	1,375.71	1,375.71	6.91	46.40	138.35	523.53	-7,431.62	7,558.94	7,505.72	53.22	142.019		
1,500.00	1,487.25	1,474.25	1,474.25	7.34	49.83	138.44	523.53	-7,431.62	7,571.75	7,514.68	57.07	132.674		
1,600.00	1,585.79	1,572.79	1,572.79	7.77	53.26	138.52	523.53	-7,431.62	7,584.58	7,523.66	60.92	124.493		
1,700.00	1,684.34	1,671.34	1,671.34	8.22	56.70	138.60	523.53	-7,431.62	7,597.42	7,532.64	64.78	117.273		
1,800.00	1,782.88	1,769.88	1,769.88	8.66	60.13	138.69	523.53	-7,431.62	7,610.28	7,541.63	68.65	110.857		
1,900.00	1,881.42	1,868.42	1,868.42	9.12	63.57	138.77	523.53	-7,431.62	7,623.15	7,550.63	72.52	105.117		
2,000.00	1,979.96	1,966.96	1,966.96	9.57	67.00	138.86	523.53	-7,431.62	7,636.04	7,559.65	76.40	99.954		
2,100.00	2,078.50	2,065.50	2,065.50	10.03	70.44	138.94	523.53	-7,431.62	7,648.95	7,568.68	80.27	95.286		
2,200.00	2,177.04	2,164.04	2,164.04	10.49	73.87	139.02	523.53	-7,431.62	7,661.87	7,577.72	84.16	91.045		
2,300.00	2,275.58	2,262.58	2,262.58	10.95	77.31	139.11	523.53	-7,431.62	7,674.81	7,586.77	88.04	87.175		
2,400.00	2,374.12	2,361.12	2,361.12	11.42	80.75	139.19	523.53	-7,431.62	7,687.77	7,595.84	91.93	83.630		
2,500.00	2,472.66	2,459.66	2,459.66	11.89	84.19	139.27	523.53	-7,431.62	7,700.74	7,604.92	95.81	80.371		
2,600.00	2,571.20	2,558.20	2,558.20	12.36	87.62	139.35	523.53	-7,431.62	7,713.73	7,614.02	99.70	77.366		
2,700.00	2,669.74	2,656.74	2,656.74	12.83	91.06	139.43	523.53	-7,431.62	7,726.73	7,623.13	103.60	74.584		
2,800.00	2,768.28	2,755.28	2,755.28	13.30	94.50	139.52	523.53	-7,431.62	7,739.75	7,632.26	107.49	72.004		
2,900.00	2,866.83	2,853.83	2,853.83	13.78	97.94	139.60	523.53	-7,431.62	7,752.78	7,641.39	111.39	69.603		
3,000.00	2,965.37	2,952.37	2,952.37	14.25	101.37	139.68	523.53	-7,431.62	7,765.83	7,650.55	115.28	67.364		
3,100.00	3,063.91	3,050.91	3,050.91	14.73	104.81	139.76	523.53	-7,431.62	7,778.89	7,659.71	119.18	65.271		
3,200.00	3,162.45	3,149.45	3,149.45	15.20	108.25	139.84	523.53	-7,431.62	7,791.97	7,668.90	123.08	63.310		
3,300.00	3,260.99	3,247.99	3,247.99	15.68	111.69	139.92	523.53	-7,431.62	7,805.07	7,678.09	126.97	61.469		
3,400.00	3,359.53	3,346.53	3,346.53	16.16	115.13	140.00	523.53	-7,431.62	7,818.18	7,687.30	130.87	59.738		
3,500.00	3,458.07	3,445.07	3,445.07	16.64	118.57	140.08	523.53	-7,431.62	7,831.30	7,696.53	134.77	58.107		
3,600.00	3,556.61	3,543.61	3,543.61	17.12	122.01	140.16	523.53	-7,431.62	7,844.44	7,705.76	138.67	56.567		
3,700.00	3,655.15	3,642.15	3,642.15	17.60	125.45	140.24	523.53	-7,431.62	7,857.59	7,715.02	142.58	55.112		
3,800.00	3,753.69	3,740.69	3,740.69	18.08	128.88	140.31	523.53	-7,431.62	7,870.76	7,724.29	146.48	53.733		
3,900.00	3,852.23	3,839.23	3,839.23	18.56	132.32	140.39	523.53	-7,431.62	7,883.95	7,733.57	150.38	52.427		
4,000.00	3,950.77	3,937.77	3,937.77	19.04	135.76	140.47	523.53	-7,431.62	7,897.15	7,742.86	154.28	51.186		
4,100.00	4,049.31	4,036.31	4,036.31	19.52	139.20	140.55	523.53	-7,431.62	7,910.36	7,752.17	158.19	50.007		
4,200.00	4,147.86	4,134.86	4,134.86	20.00	142.64	140.63	523.53	-7,431.62	7,923.59	7,761.50	162.09	48.884		
4,300.00	4,246.40	4,233.40	4,233.40	20.49	146.08	140.70	523.53	-7,431.62	7,936.83	7,770.84	165.99	47.814		
4,400.00	4,344.94	4,331.94	4,331.94	20.97	149.52	140.78	523.53	-7,431.62	7,950.09	7,780.19	169.90	46.793		
4,500.00	4,443.48	4,430.48	4,430.48	21.45	152.96	140.86	523.53	-7,431.62	7,963.36	7,789.56	173.80	45.819		
4,600.00	4,542.02	4,529.02	4,529.02	21.94	156.40	140.94	523.53	-7,431.62	7,976.64	7,798.94	177.71	44.887		
4,700.00	4,640.56	4,627.56	4,627.56	22.42	159.84	141.01	523.53	-7,431.62	7,989.94	7,808.33	181.61	43.995		
4,800.00	4,739.10	4,726.10	4,726.10	22.91	163.28	141.09	523.53	-7,431.62	8,003.26	7,817.74	185.52	43.140		
4,900.00	4,837.64	4,824.64	4,824.64	23.39	166.72	141.16	523.53	-7,431.62	8,016.58	7,827.16	189.42	42.321		
5,000.00	4,936.18	4,923.18	4,923.18	23.87	170.15	141.24	523.53	-7,431.62	8,029.93	7,836.60	193.33	41.535		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	5,021.72	5,021.72	24.36	173.59	141.32	523.53	-7,431.62	8,043.28	7,846.05	197.23	40.781		
5,200.00	5,133.26	5,120.26	5,120.26	24.84	177.03	141.39	523.53	-7,431.62	8,056.65	7,855.51	201.14	40.055		
5,300.00	5,231.80	5,218.80	5,218.80	25.33	180.47	141.47	523.53	-7,431.62	8,070.03	7,864.99	205.04	39.358		
5,400.00	5,330.34	5,317.34	5,317.34	25.82	183.91	141.54	523.53	-7,431.62	8,083.43	7,874.48	208.95	38.686		
5,500.00	5,428.89	5,415.89	5,415.89	26.30	187.35	141.62	523.53	-7,431.62	8,096.84	7,883.99	212.86	38.039		
5,600.00	5,527.43	5,514.43	5,514.43	26.79	190.79	141.69	523.53	-7,431.62	8,110.27	7,893.50	216.76	37.415		
5,700.00	5,625.97	5,612.97	5,612.97	27.27	194.23	141.76	523.53	-7,431.62	8,123.70	7,903.03	220.67	36.814		
5,800.00	5,724.51	5,711.51	5,711.51	27.76	197.67	141.84	523.53	-7,431.62	8,137.15	7,912.58	224.58	36.234		
5,900.00	5,823.05	5,810.05	5,810.05	28.24	201.11	141.91	523.53	-7,431.62	8,150.62	7,922.14	228.48	35.673		
6,000.00	5,921.59	5,908.59	5,908.59	28.73	204.55	141.98	523.53	-7,431.62	8,164.10	7,931.71	232.39	35.131		
6,100.00	6,020.13	6,007.13	6,007.13	29.22	207.99	142.06	523.53	-7,431.62	8,177.59	7,941.29	236.30	34.608		
6,200.00	6,118.67	6,105.67	6,105.67	29.70	211.43	142.13	523.53	-7,431.62	8,191.09	7,950.89	240.20	34.101		
6,300.00	6,217.21	6,204.21	6,204.21	30.19	214.87	142.20	523.53	-7,431.62	8,204.61	7,960.50	244.11	33.610		
6,400.00	6,315.75	6,302.75	6,302.75	30.68	218.31	142.27	523.53	-7,431.62	8,218.14	7,970.12	248.02	33.136		
6,500.00	6,414.29	6,401.29	6,401.29	31.16	221.75	142.35	523.53	-7,431.62	8,231.68	7,979.76	251.92	32.675		
6,582.51	6,495.60	6,482.60	6,482.60	31.57	224.59	142.41	523.53	-7,431.62	8,242.86	7,987.72	255.15	32.306		
6,600.00	6,512.86	6,500.14	6,499.86	31.65	225.20	134.87	523.53	-7,431.62	8,245.00	7,989.16	255.84	32.227		
6,650.00	6,562.39	6,549.39	6,549.39	31.88	226.92	104.45	523.53	-7,431.62	8,248.52	7,990.73	257.78	31.998		
6,700.00	6,611.96	6,601.04	6,598.96	32.08	228.72	71.66	523.53	-7,431.62	8,248.17	7,988.38	259.79	31.749		
6,750.00	6,661.26	6,648.26	6,648.26	32.27	230.37	51.06	523.53	-7,431.62	8,243.97	7,982.34	261.63	31.510		
6,800.00	6,709.99	6,703.01	6,696.99	32.44	232.28	39.94	523.53	-7,431.62	8,235.95	7,972.24	263.71	31.231		
6,850.00	6,757.84	6,744.84	6,744.84	32.61	233.74	33.61	523.53	-7,431.62	8,224.15	7,958.82	265.32	30.997		
6,900.00	6,804.53	6,808.47	6,791.53	32.77	235.96	29.76	523.53	-7,431.62	8,208.64	7,940.96	267.68	30.666		
6,950.00	6,849.77	6,836.77	6,836.77	32.92	236.95	27.34	523.53	-7,431.62	8,189.54	7,920.75	268.79	30.468		
7,000.00	6,893.27	6,880.27	6,880.27	33.07	238.47	25.83	523.53	-7,431.62	8,166.95	7,896.54	270.41	30.202		
7,050.00	6,934.77	6,921.77	6,921.77	33.23	239.92	24.98	523.53	-7,431.62	8,141.01	7,869.07	271.95	29.936		
7,100.00	6,974.01	6,961.01	6,961.01	33.39	241.29	24.63	523.53	-7,431.62	8,111.89	7,838.50	273.39	29.671		
7,150.00	7,010.75	7,002.25	6,997.75	33.55	242.73	24.73	523.53	-7,431.62	8,079.78	7,804.88	274.89	29.392		
7,200.00	7,044.77	7,031.77	7,031.77	33.72	243.76	25.26	523.53	-7,431.62	8,044.85	7,768.88	275.98	29.151		
7,250.00	7,075.85	7,062.85	7,062.85	33.92	244.84	26.25	523.53	-7,431.62	8,007.34	7,730.24	277.10	28.897		
7,300.00	7,103.80	7,109.20	7,090.80	34.13	246.46	27.78	523.53	-7,431.62	7,967.48	7,688.73	278.75	28.582		
7,350.00	7,128.45	7,115.45	7,115.45	34.38	246.68	29.99	523.53	-7,431.62	7,925.51	7,646.51	279.00	28.407		
7,400.00	7,149.65	7,136.65	7,136.65	34.67	247.42	33.12	523.53	-7,431.62	7,881.68	7,601.92	279.76	28.173		
7,450.00	7,167.26	7,154.26	7,154.26	35.00	248.03	37.59	523.53	-7,431.62	7,836.28	7,555.88	280.40	27.947		
7,500.00	7,181.19	7,168.19	7,168.19	35.38	248.52	44.06	523.53	-7,431.62	7,789.58	7,508.67	280.91	27.730		
7,550.00	7,191.34	7,178.34	7,178.34	35.81	248.87	53.65	523.53	-7,431.62	7,741.86	7,460.58	281.28	27.523		
7,600.00	7,197.65	7,184.65	7,184.65	36.28	249.09	67.84	523.53	-7,431.62	7,693.42	7,411.90	281.53	27.327		
7,650.00	7,200.08	7,187.08	7,187.08	36.80	249.18	87.31	523.53	-7,431.62	7,644.57	7,362.92	281.64	27.143		
7,667.87	7,200.00	7,187.00	7,187.00	36.99	249.17	95.13	523.53	-7,431.62	7,627.06	7,345.41	281.65	27.080		
7,700.00	7,199.42	7,186.42	7,186.42	37.35	249.15	95.10	523.53	-7,431.62	7,595.57	7,313.92	281.65	26.968		
7,800.00	7,197.60	7,184.60	7,184.60	38.62	249.09	95.04	523.53	-7,431.62	7,497.63	7,215.96	281.67	26.619		
7,900.00	7,195.78	7,182.78	7,182.78	40.06	249.03	94.97	523.53	-7,431.62	7,399.73	7,118.03	281.70	26.268		
8,000.00	7,193.97	7,180.97	7,180.97	41.66	248.96	94.90	523.53	-7,431.62	7,301.89	7,020.14	281.75	25.916		
8,100.00	7,192.15	7,179.15	7,179.15	43.40	248.90	94.83	523.53	-7,431.62	7,204.11	6,922.30	281.81	25.564		
8,200.00	7,190.33	7,177.33	7,177.33	45.25	248.84	94.76	523.53	-7,431.62	7,106.39	6,824.50	281.89	25.210		
8,300.00	7,188.51	7,175.51	7,175.51	47.20	248.77	94.69	523.53	-7,431.62	7,008.74	6,726.75	281.99	24.854		
8,400.00	7,186.70	7,173.70	7,173.70	49.25	248.71	94.63	523.53	-7,431.62	6,911.15	6,629.04	282.11	24.498		
8,500.00	7,184.88	7,171.88	7,171.88	51.37	248.65	94.56	523.53	-7,431.62	6,813.63	6,531.38	282.26	24.140		
8,600.00	7,183.06	7,170.06	7,170.06	53.56	248.58	94.49	523.53	-7,431.62	6,716.19	6,433.77	282.42	23.781		
8,700.00	7,181.24	7,168.24	7,168.24	55.81	248.52	94.42	523.53	-7,431.62	6,618.82	6,336.21	282.61	23.420		
8,800.00	7,179.43	7,166.43	7,166.43	58.11	248.46	94.35	523.53	-7,431.62	6,521.53	6,238.70	282.82	23.059		
8,900.00	7,177.61	7,164.61	7,164.61	60.46	248.39	94.28	523.53	-7,431.62	6,424.32	6,141.26	283.06	22.696		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	7,162.79	7,162.79	62.85	248.33	94.22	523.53	-7,431.62	6,327.20	6,043.87	283.33	22.332		
9,100.00	7,173.98	7,160.98	7,160.98	65.28	248.27	94.15	523.53	-7,431.62	6,230.17	5,946.54	283.63	21.966		
9,200.00	7,172.16	7,159.16	7,159.16	67.74	248.20	94.08	523.53	-7,431.62	6,133.23	5,849.27	283.96	21.599		
9,300.00	7,170.34	7,157.34	7,157.34	70.23	248.14	94.01	523.53	-7,431.62	6,036.39	5,752.07	284.32	21.231		
9,400.00	7,168.52	7,155.52	7,155.52	72.74	248.08	93.94	523.53	-7,431.62	5,939.66	5,654.95	284.71	20.862		
9,500.00	7,166.71	7,153.71	7,153.71	75.28	248.01	93.87	523.53	-7,431.62	5,843.04	5,557.89	285.15	20.491		
9,600.00	7,164.89	7,151.89	7,151.89	77.84	247.95	93.81	523.53	-7,431.62	5,746.53	5,460.91	285.62	20.120		
9,700.00	7,163.07	7,150.07	7,150.07	80.43	247.89	93.74	523.53	-7,431.62	5,650.14	5,364.01	286.13	19.747		
9,800.00	7,161.26	7,148.26	7,148.26	83.02	247.82	93.67	523.53	-7,431.62	5,553.88	5,267.20	286.68	19.373		
9,900.00	7,159.44	7,146.44	7,146.44	85.64	247.76	93.60	523.53	-7,431.62	5,457.75	5,170.48	287.28	18.998		
10,000.00	7,157.62	7,144.62	7,144.62	88.27	247.70	93.53	523.53	-7,431.62	5,361.77	5,073.85	287.92	18.622		
10,100.00	7,155.80	7,142.80	7,142.80	90.91	247.63	93.46	523.53	-7,431.62	5,265.93	4,977.32	288.61	18.246		
10,200.00	7,153.99	7,140.99	7,140.99	93.56	247.57	93.39	523.53	-7,431.62	5,170.25	4,880.89	289.36	17.868		
10,300.00	7,152.17	7,139.17	7,139.17	96.23	247.51	93.33	523.53	-7,431.62	5,074.74	4,784.58	290.16	17.489		
10,400.00	7,150.35	7,137.35	7,137.35	98.90	247.44	93.26	523.53	-7,431.62	4,979.40	4,688.38	291.02	17.110		
10,500.00	7,148.54	7,135.54	7,135.54	101.59	247.38	93.19	523.53	-7,431.62	4,884.25	4,592.31	291.93	16.731		
10,600.00	7,146.72	7,133.72	7,133.72	104.28	247.31	93.12	523.53	-7,431.62	4,789.29	4,496.38	292.91	16.351		
10,700.00	7,144.90	7,131.90	7,131.90	106.98	247.25	93.05	523.53	-7,431.62	4,694.55	4,400.59	293.96	15.970		
10,800.00	7,143.08	7,130.08	7,130.08	109.69	247.19	92.98	523.53	-7,431.62	4,600.02	4,304.94	295.08	15.589		
10,900.00	7,141.27	7,128.27	7,128.27	112.41	247.12	92.91	523.53	-7,431.62	4,505.73	4,209.47	296.27	15.208		
11,000.00	7,139.45	7,126.45	7,126.45	115.13	247.06	92.85	523.53	-7,431.62	4,411.69	4,114.16	297.53	14.828		
11,100.00	7,137.63	7,124.63	7,124.63	117.86	247.00	92.78	523.53	-7,431.62	4,317.92	4,019.04	298.88	14.447		
11,200.00	7,135.82	7,122.82	7,122.82	120.59	246.93	92.71	523.53	-7,431.62	4,224.43	3,924.12	300.32	14.067		
11,300.00	7,134.00	7,121.00	7,121.00	123.33	246.87	92.64	523.53	-7,431.62	4,131.25	3,829.41	301.84	13.687		
11,400.00	7,132.18	7,119.18	7,119.18	126.07	246.81	92.57	523.53	-7,431.62	4,038.39	3,734.93	303.47	13.308		
11,500.00	7,130.36	7,117.36	7,117.36	128.82	246.74	92.50	523.53	-7,431.62	3,945.89	3,640.70	305.19	12.929		
11,600.00	7,128.55	7,115.55	7,115.55	131.57	246.68	92.43	523.53	-7,431.62	3,853.75	3,546.73	307.02	12.552		
11,700.00	7,126.73	7,113.73	7,113.73	134.33	246.62	92.37	523.53	-7,431.62	3,762.02	3,453.05	308.96	12.176		
11,800.00	7,124.91	7,111.91	7,111.91	137.09	246.55	92.30	523.53	-7,431.62	3,670.71	3,359.69	311.03	11.802		
11,900.00	7,123.10	7,110.10	7,110.10	139.85	246.49	92.23	523.53	-7,431.62	3,579.87	3,266.66	313.22	11.429		
12,000.00	7,121.28	7,108.28	7,108.28	142.62	246.43	92.16	523.53	-7,431.62	3,489.53	3,173.99	315.54	11.059		
12,100.00	7,119.46	7,106.46	7,106.46	145.39	246.36	92.09	523.53	-7,431.62	3,399.73	3,081.72	318.01	10.691		
12,200.00	7,117.64	7,104.64	7,104.64	148.16	246.30	92.02	523.53	-7,431.62	3,310.52	2,989.89	320.63	10.325		
12,300.00	7,115.83	7,102.83	7,102.83	150.94	246.24	91.95	523.53	-7,431.62	3,221.93	2,898.53	323.41	9.962		
12,400.00	7,114.01	7,101.01	7,101.01	153.72	246.17	91.89	523.53	-7,431.62	3,134.04	2,807.68	326.36	9.603		
12,500.00	7,112.19	7,100.81	7,099.19	156.50	246.17	91.82	523.53	-7,431.62	3,046.88	2,717.34	329.54	9.246		
12,600.00	7,110.37	7,102.63	7,097.37	159.28	246.23	91.75	523.53	-7,431.62	2,960.54	2,627.55	332.99	8.891		
12,700.00	7,108.56	7,104.44	7,095.56	162.07	246.29	91.68	523.53	-7,431.62	2,875.09	2,538.44	336.64	8.540		
12,800.00	7,106.74	7,106.26	7,093.74	164.86	246.36	91.61	523.53	-7,431.62	2,790.59	2,450.09	340.51	8.195		
12,900.00	7,104.92	7,108.08	7,091.92	167.65	246.42	91.54	523.53	-7,431.62	2,707.16	2,362.56	344.60	7.856		
13,000.00	7,103.11	7,109.89	7,090.11	170.44	246.48	91.47	523.53	-7,431.62	2,624.88	2,275.95	348.93	7.523		
13,100.00	7,101.29	7,088.29	7,088.29	173.23	245.73	91.40	523.53	-7,431.62	2,543.87	2,191.18	352.69	7.213		
13,200.00	7,099.47	7,086.47	7,086.47	176.03	245.67	91.34	523.53	-7,431.62	2,464.25	2,106.86	357.40	6.895		
13,300.00	7,097.65	7,084.65	7,084.65	178.82	245.60	91.27	523.53	-7,431.62	2,386.17	2,023.79	362.38	6.585		
13,400.00	7,095.84	7,082.84	7,082.84	181.62	245.54	91.20	523.53	-7,431.62	2,309.78	1,942.14	367.64	6.283		
13,500.00	7,094.02	7,081.02	7,081.02	184.42	245.48	91.13	523.53	-7,431.62	2,235.25	1,862.06	373.19	5.990		
13,600.00	7,092.20	7,079.20	7,079.20	187.22	245.41	91.06	523.53	-7,431.62	2,162.77	1,783.75	379.02	5.706		
13,700.00	7,090.39	7,077.39	7,077.39	190.03	245.35	90.99	523.53	-7,431.62	2,092.56	1,707.42	385.14	5.433		
13,800.00	7,088.57	7,075.57	7,075.57	192.83	245.29	90.92	523.53	-7,431.62	2,024.86	1,633.32	391.53	5.172		
13,900.00	7,086.75	7,073.75	7,073.75	195.64	245.22	90.86	523.53	-7,431.62	1,959.92	1,561.73	398.18	4.922		
14,000.00	7,084.93	7,071.93	7,071.93	198.44	245.16	90.79	523.53	-7,431.62	1,898.02	1,492.96	405.06	4.686		
14,100.00	7,083.12	7,070.12	7,070.12	201.25	245.09	90.72	523.53	-7,431.62	1,839.48	1,427.35	412.14	4.463		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - PEANUT #1 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,200.00	7,081.30	7,068.30	7,068.30	204.06	245.03	90.65	523.53	-7,431.62	1,784.63	1,365.29	419.34	4.256	
14,300.00	7,079.48	7,066.48	7,066.48	206.87	244.97	90.58	523.53	-7,431.62	1,733.81	1,307.20	426.62	4.064	
14,400.00	7,077.67	7,064.67	7,064.67	209.68	244.90	90.51	523.53	-7,431.62	1,687.39	1,253.53	433.87	3.889	
14,500.00	7,075.85	7,062.85	7,062.85	212.49	244.84	90.44	523.53	-7,431.62	1,645.75	1,204.76	440.99	3.732	
14,600.00	7,074.03	7,061.03	7,061.03	215.31	244.78	90.37	523.53	-7,431.62	1,609.24	1,161.39	447.85	3.593	
14,700.00	7,072.21	7,059.21	7,059.21	218.12	244.71	90.31	523.53	-7,431.62	1,578.24	1,123.90	454.34	3.474	
14,800.00	7,070.40	7,057.40	7,057.40	220.93	244.65	90.24	523.53	-7,431.62	1,553.06	1,092.76	460.30	3.374	
14,900.00	7,068.58	7,055.58	7,055.58	223.75	244.59	90.17	523.53	-7,431.62	1,534.00	1,068.40	465.60	3.295	
15,000.00	7,066.76	7,053.76	7,053.76	226.57	244.52	90.10	523.53	-7,431.62	1,521.29	1,051.17	470.12	3.236	
15,100.00	7,064.95	7,051.95	7,051.95	229.38	244.46	90.03	523.53	-7,431.62	1,515.08	1,041.32	473.76	3.198	
15,144.30	7,064.14	7,051.14	7,051.14	230.63	244.43	90.00	523.53	-7,431.62	1,514.43	1,039.37	475.06	3.188 CC	
15,200.00	7,063.13	7,050.13	7,050.13	232.20	244.40	89.96	523.53	-7,431.62	1,515.46	1,039.02	476.43	3.181 ES, SF	
15,300.00	7,061.31	7,048.31	7,048.31	235.02	244.33	89.89	523.53	-7,431.62	1,522.41	1,044.30	478.12	3.184	
15,400.00	7,059.49	7,046.49	7,046.49	237.84	244.27	89.82	523.53	-7,431.62	1,535.86	1,057.05	478.81	3.208	
15,500.00	7,057.68	7,044.68	7,044.68	240.66	244.21	89.76	523.53	-7,431.62	1,555.63	1,077.07	478.56	3.251	
15,600.00	7,055.86	7,042.86	7,042.86	243.48	244.14	89.69	523.53	-7,431.62	1,581.49	1,104.05	477.43	3.312	
15,647.29	7,055.00	7,042.00	7,042.00	244.81	244.11	89.65	523.53	-7,431.62	1,595.75	1,119.13	476.62	3.348	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	35.00	35.00	3.28	3.34	-84.69	554.45	-5,966.00	5,991.71					
100.00	100.00	135.00	135.00	3.28	4.42	-84.69	554.45	-5,966.00	5,991.71	5,984.00	7.71	777.360		
200.00	200.00	235.00	235.00	3.34	7.24	-84.69	554.45	-5,966.00	5,991.71	5,981.13	10.58	566.294		
300.00	300.00	335.00	335.00	3.44	10.48	-84.69	554.45	-5,966.00	5,991.71	5,977.79	13.92	430.409		
400.00	399.98	434.98	434.98	3.60	13.83	139.30	554.45	-5,966.00	5,993.03	5,975.60	17.43	343.819		
500.00	499.84	534.84	534.84	3.79	17.24	139.28	554.45	-5,966.00	5,997.00	5,975.97	21.03	285.169		
600.00	599.45	634.45	634.45	4.03	20.67	139.25	554.45	-5,966.00	6,003.62	5,978.93	24.69	243.174		
700.00	698.70	733.70	733.70	4.30	24.09	139.21	554.45	-5,966.00	6,012.88	5,984.49	28.39	211.817		
790.00	787.61	822.61	822.61	4.57	27.17	139.15	554.45	-5,966.00	6,023.47	5,991.73	31.74	189.786		
800.00	797.47	832.47	832.47	4.60	27.51	139.16	554.45	-5,966.00	6,024.77	5,992.65	32.11	187.608		
900.00	896.01	931.01	931.01	4.94	30.93	139.27	554.45	-5,966.00	6,037.73	6,001.88	35.86	168.378		
1,000.00	994.55	1,029.55	1,029.55	5.30	34.35	139.37	554.45	-5,966.00	6,050.72	6,011.09	39.63	152.681		
1,100.00	1,093.09	1,128.09	1,128.09	5.68	37.78	139.48	554.45	-5,966.00	6,063.73	6,020.31	43.42	139.645		
1,200.00	1,191.63	1,226.63	1,226.63	6.08	41.21	139.58	554.45	-5,966.00	6,076.76	6,029.53	47.23	128.656		
1,300.00	1,290.17	1,325.17	1,325.17	6.49	44.64	139.68	554.45	-5,966.00	6,089.81	6,038.75	51.06	119.275		
1,400.00	1,388.71	1,423.71	1,423.71	6.91	48.07	139.79	554.45	-5,966.00	6,102.87	6,047.98	54.89	111.179		
1,500.00	1,487.25	1,522.25	1,522.25	7.34	51.50	139.89	554.45	-5,966.00	6,115.96	6,057.22	58.74	104.124		
1,600.00	1,585.79	1,620.79	1,620.79	7.77	54.93	139.99	554.45	-5,966.00	6,129.07	6,066.48	62.59	97.924		
1,700.00	1,684.34	1,719.34	1,719.34	8.22	58.37	140.09	554.45	-5,966.00	6,142.19	6,075.74	66.45	92.433		
1,800.00	1,782.88	1,817.88	1,817.88	8.66	61.80	140.19	554.45	-5,966.00	6,155.34	6,085.02	70.32	87.539		
1,900.00	1,881.42	1,916.42	1,916.42	9.12	65.24	140.29	554.45	-5,966.00	6,168.50	6,094.31	74.19	83.150		
2,000.00	1,979.96	2,014.96	2,014.96	9.57	68.68	140.39	554.45	-5,966.00	6,181.68	6,103.62	78.06	79.192		
2,100.00	2,078.50	2,113.50	2,113.50	10.03	72.11	140.49	554.45	-5,966.00	6,194.88	6,112.95	81.94	75.606		
2,200.00	2,177.04	2,212.04	2,212.04	10.49	75.55	140.59	554.45	-5,966.00	6,208.10	6,122.29	85.82	72.341		
2,300.00	2,275.58	2,310.58	2,310.58	10.95	78.99	140.69	554.45	-5,966.00	6,221.34	6,131.64	89.70	69.357		
2,400.00	2,374.12	2,409.12	2,409.12	11.42	82.42	140.79	554.45	-5,966.00	6,234.60	6,141.01	93.59	66.619		
2,500.00	2,472.66	2,507.66	2,507.66	11.89	85.86	140.89	554.45	-5,966.00	6,247.87	6,150.40	97.47	64.098		
2,600.00	2,571.20	2,606.20	2,606.20	12.36	89.30	140.99	554.45	-5,966.00	6,261.16	6,159.80	101.36	61.770		
2,700.00	2,669.74	2,704.74	2,704.74	12.83	92.74	141.08	554.45	-5,966.00	6,274.48	6,169.22	105.25	59.613		
2,800.00	2,768.28	2,803.28	2,803.28	13.30	96.17	141.18	554.45	-5,966.00	6,287.80	6,178.66	109.15	57.609		
2,900.00	2,866.83	2,901.83	2,901.83	13.78	99.61	141.28	554.45	-5,966.00	6,301.15	6,188.11	113.04	55.743		
3,000.00	2,965.37	3,000.37	3,000.37	14.25	103.05	141.37	554.45	-5,966.00	6,314.51	6,197.58	116.94	54.000		
3,100.00	3,063.91	3,101.09	3,098.91	14.73	106.56	141.47	554.45	-5,966.00	6,327.90	6,206.99	120.91	52.337		
3,200.00	3,162.45	3,202.55	3,197.45	15.20	110.10	141.56	554.45	-5,966.00	6,341.29	6,216.39	124.91	50.769		
3,300.00	3,260.99	3,304.01	3,295.99	15.68	113.65	141.66	554.45	-5,966.00	6,354.71	6,225.81	128.91	49.298		
3,400.00	3,359.53	3,405.47	3,394.53	16.16	117.19	141.75	554.45	-5,966.00	6,368.15	6,235.24	132.91	47.915		
3,500.00	3,458.07	3,506.93	3,493.07	16.64	120.73	141.85	554.45	-5,966.00	6,381.60	6,244.69	136.91	46.613		
3,600.00	3,556.61	3,608.39	3,591.61	17.12	124.27	141.94	554.45	-5,966.00	6,395.06	6,254.16	140.91	45.385		
3,700.00	3,655.15	3,709.85	3,690.15	17.60	127.81	142.03	554.45	-5,966.00	6,408.55	6,263.64	144.91	44.225		
3,800.00	3,753.69	3,788.69	3,788.69	18.08	130.56	142.13	554.45	-5,966.00	6,422.05	6,273.93	148.12	43.356		
3,900.00	3,852.23	3,887.23	3,887.23	18.56	134.00	142.22	554.45	-5,966.00	6,435.57	6,283.54	152.02	42.333		
4,000.00	3,950.77	3,985.77	3,985.77	19.04	137.44	142.31	554.45	-5,966.00	6,449.10	6,293.18	155.92	41.360		
4,100.00	4,049.31	4,084.31	4,084.31	19.52	140.88	142.40	554.45	-5,966.00	6,462.65	6,302.83	159.83	40.435		
4,200.00	4,147.86	4,182.86	4,182.86	20.00	144.32	142.49	554.45	-5,966.00	6,476.22	6,312.49	163.73	39.555		
4,300.00	4,246.40	4,281.40	4,281.40	20.49	147.75	142.59	554.45	-5,966.00	6,489.81	6,322.17	167.63	38.715		
4,400.00	4,344.94	4,379.94	4,379.94	20.97	151.19	142.68	554.45	-5,966.00	6,503.41	6,331.87	171.53	37.913		
4,500.00	4,443.48	4,478.48	4,478.48	21.45	154.63	142.77	554.45	-5,966.00	6,517.02	6,341.58	175.44	37.147		
4,600.00	4,542.02	4,577.02	4,577.02	21.94	158.07	142.86	554.45	-5,966.00	6,530.65	6,351.31	179.34	36.415		
4,700.00	4,640.56	4,675.56	4,675.56	22.42	161.51	142.95	554.45	-5,966.00	6,544.30	6,361.06	183.24	35.714		
4,800.00	4,739.10	4,774.10	4,774.10	22.91	164.95	143.04	554.45	-5,966.00	6,557.97	6,370.82	187.15	35.042		
4,900.00	4,837.64	4,872.64	4,872.64	23.39	168.39	143.12	554.45	-5,966.00	6,571.65	6,380.59	191.05	34.397		
5,000.00	4,936.18	4,971.18	4,971.18	23.87	171.83	143.21	554.45	-5,966.00	6,585.34	6,390.39	194.96	33.779		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	5,069.72	5,069.72	24.36	175.27	143.30	554.45	-5,966.00	6,599.05	6,400.19	198.86	33.185		
5,200.00	5,133.26	5,168.26	5,168.26	24.84	178.71	143.39	554.45	-5,966.00	6,612.78	6,410.01	202.76	32.613		
5,300.00	5,231.80	5,266.80	5,266.80	25.33	182.15	143.48	554.45	-5,966.00	6,626.52	6,419.85	206.67	32.064		
5,400.00	5,330.34	5,365.34	5,365.34	25.82	185.59	143.56	554.45	-5,966.00	6,640.27	6,429.70	210.57	31.534		
5,500.00	5,428.89	5,463.89	5,463.89	26.30	189.03	143.65	554.45	-5,966.00	6,654.05	6,439.57	214.48	31.025		
5,600.00	5,527.43	5,562.43	5,562.43	26.79	192.47	143.74	554.45	-5,966.00	6,667.83	6,449.45	218.38	30.533		
5,700.00	5,625.97	5,660.97	5,660.97	27.27	195.91	143.82	554.45	-5,966.00	6,681.63	6,459.35	222.29	30.059		
5,800.00	5,724.51	5,759.51	5,759.51	27.76	199.35	143.91	554.45	-5,966.00	6,695.45	6,469.26	226.19	29.601		
5,900.00	5,823.05	5,858.05	5,858.05	28.24	202.79	143.99	554.45	-5,966.00	6,709.28	6,479.18	230.10	29.159		
6,000.00	5,921.59	5,956.59	5,956.59	28.73	206.23	144.08	554.45	-5,966.00	6,723.13	6,489.12	234.00	28.731		
6,100.00	6,020.13	6,055.13	6,055.13	29.22	209.67	144.16	554.45	-5,966.00	6,736.99	6,499.08	237.91	28.318		
6,200.00	6,118.67	6,153.67	6,153.67	29.70	213.10	144.25	554.45	-5,966.00	6,750.86	6,509.05	241.81	27.918		
6,300.00	6,217.21	6,252.21	6,252.21	30.19	216.54	144.33	554.45	-5,966.00	6,764.75	6,519.03	245.72	27.531		
6,400.00	6,315.75	6,350.75	6,350.75	30.68	219.98	144.41	554.45	-5,966.00	6,778.65	6,529.03	249.62	27.156		
6,500.00	6,414.29	6,449.29	6,449.29	31.16	223.42	144.50	554.45	-5,966.00	6,792.57	6,539.04	253.53	26.792		
6,582.51	6,495.60	6,530.60	6,530.60	31.57	226.26	144.56	554.45	-5,966.00	6,804.06	6,547.31	256.75	26.501		
6,600.00	6,512.86	6,547.86	6,547.86	31.65	226.86	137.02	554.45	-5,966.00	6,806.27	6,548.84	257.43	26.439		
6,650.00	6,562.39	6,602.61	6,597.39	31.88	228.78	106.59	554.45	-5,966.00	6,810.00	6,550.43	259.57	26.236		
6,700.00	6,611.96	6,646.96	6,646.96	32.08	230.32	73.81	554.45	-5,966.00	6,809.90	6,548.57	261.33	26.059		
6,750.00	6,661.26	6,703.74	6,696.26	32.27	232.31	53.22	554.45	-5,966.00	6,805.97	6,542.48	263.50	25.830		
6,800.00	6,709.99	6,744.99	6,744.99	32.44	233.75	42.14	554.45	-5,966.00	6,798.25	6,533.14	265.10	25.644		
6,850.00	6,757.84	6,807.16	6,792.84	32.61	235.92	35.86	554.45	-5,966.00	6,786.78	6,519.35	267.43	25.378		
6,900.00	6,804.53	6,839.53	6,839.53	32.77	237.05	32.08	554.45	-5,966.00	6,771.63	6,502.94	268.69	25.202		
6,950.00	6,849.77	6,884.77	6,884.77	32.92	238.62	29.75	554.45	-5,966.00	6,752.90	6,482.51	270.39	24.975		
7,000.00	6,893.27	6,928.27	6,928.27	33.07	240.14	28.35	554.45	-5,966.00	6,730.71	6,458.70	272.01	24.744		
7,050.00	6,934.77	6,969.77	6,969.77	33.23	241.59	27.62	554.45	-5,966.00	6,705.20	6,431.66	273.55	24.512		
7,100.00	6,974.01	7,009.01	7,009.01	33.39	242.96	27.43	554.45	-5,966.00	6,676.53	6,401.54	274.99	24.279		
7,150.00	7,010.75	7,045.75	7,045.75	33.55	244.24	27.72	554.45	-5,966.00	6,644.88	6,368.54	276.34	24.046		
7,200.00	7,044.77	7,079.77	7,079.77	33.72	245.43	28.48	554.45	-5,966.00	6,610.45	6,332.87	277.58	23.815		
7,250.00	7,075.85	7,110.85	7,110.85	33.92	246.52	29.74	554.45	-5,966.00	6,573.44	6,294.73	278.71	23.586		
7,300.00	7,103.80	7,138.80	7,138.80	34.13	247.49	31.59	554.45	-5,966.00	6,534.09	6,254.37	279.72	23.360		
7,350.00	7,128.45	7,163.45	7,163.45	34.38	248.35	34.17	554.45	-5,966.00	6,492.64	6,212.03	280.61	23.138		
7,400.00	7,149.65	7,184.65	7,184.65	34.67	249.09	37.73	554.45	-5,966.00	6,449.35	6,167.98	281.38	22.921		
7,450.00	7,167.26	7,202.26	7,202.26	35.00	249.71	42.63	554.45	-5,966.00	6,404.49	6,122.47	282.02	22.709		
7,500.00	7,181.19	7,216.19	7,216.19	35.38	250.19	49.41	554.45	-5,966.00	6,358.33	6,075.80	282.54	22.505		
7,550.00	7,191.34	7,226.34	7,226.34	35.81	250.55	58.83	554.45	-5,966.00	6,311.16	6,028.24	282.92	22.307		
7,600.00	7,197.65	7,232.65	7,232.65	36.28	250.77	71.65	554.45	-5,966.00	6,263.26	5,980.08	283.18	22.118		
7,650.00	7,200.08	7,235.08	7,235.08	36.80	250.85	87.83	554.45	-5,966.00	6,214.94	5,931.63	283.31	21.937		
7,667.87	7,200.00	7,235.00	7,235.00	36.99	250.85	94.12	554.45	-5,966.00	6,197.62	5,914.29	283.32	21.875		
7,700.00	7,199.42	7,234.42	7,234.42	37.35	250.83	94.10	554.45	-5,966.00	6,166.47	5,883.14	283.34	21.764		
7,800.00	7,197.60	7,232.60	7,232.60	38.62	250.77	94.03	554.45	-5,966.00	6,069.61	5,786.22	283.39	21.418		
7,900.00	7,195.78	7,230.78	7,230.78	40.06	250.70	93.96	554.45	-5,966.00	5,972.85	5,689.38	283.47	21.071		
8,000.00	7,193.97	7,228.97	7,228.97	41.66	250.64	93.89	554.45	-5,966.00	5,876.20	5,592.63	283.57	20.722		
8,100.00	7,192.15	7,227.15	7,227.15	43.40	250.58	93.82	554.45	-5,966.00	5,779.66	5,495.96	283.70	20.373		
8,200.00	7,190.33	7,225.33	7,225.33	45.25	250.51	93.76	554.45	-5,966.00	5,683.24	5,399.38	283.86	20.021		
8,300.00	7,188.51	7,223.51	7,223.51	47.20	250.45	93.69	554.45	-5,966.00	5,586.94	5,302.89	284.05	19.669		
8,400.00	7,186.70	7,221.70	7,221.70	49.25	250.39	93.62	554.45	-5,966.00	5,490.78	5,206.51	284.27	19.315		
8,500.00	7,184.88	7,219.88	7,219.88	51.37	250.32	93.55	554.45	-5,966.00	5,394.75	5,110.22	284.53	18.960		
8,600.00	7,183.06	7,218.06	7,218.06	53.56	250.26	93.48	554.45	-5,966.00	5,298.87	5,014.05	284.83	18.604		
8,700.00	7,181.24	7,216.24	7,216.24	55.81	250.20	93.41	554.45	-5,966.00	5,203.15	4,917.99	285.16	18.246		
8,800.00	7,179.43	7,214.43	7,214.43	58.11	250.13	93.35	554.45	-5,966.00	5,107.59	4,822.05	285.55	17.887		
8,900.00	7,177.61	7,212.61	7,212.61	60.46	250.07	93.28	554.45	-5,966.00	5,012.20	4,726.23	285.97	17.527		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	7,210.79	7,210.79	62.85	250.01	93.21	554.45	-5,966.00	4,917.00	4,630.55	286.45	17.165		
9,100.00	7,173.98	7,208.98	7,208.98	65.28	249.94	93.14	554.45	-5,966.00	4,821.99	4,535.01	286.98	16.803		
9,200.00	7,172.16	7,207.16	7,207.16	67.74	249.88	93.07	554.45	-5,966.00	4,727.18	4,439.62	287.56	16.439		
9,300.00	7,170.34	7,205.34	7,205.34	70.23	249.82	93.00	554.45	-5,966.00	4,632.59	4,344.39	288.20	16.074		
9,400.00	7,168.52	7,203.52	7,203.52	72.74	249.75	92.93	554.45	-5,966.00	4,538.23	4,249.32	288.91	15.708		
9,500.00	7,166.71	7,201.71	7,201.71	75.28	249.69	92.87	554.45	-5,966.00	4,444.12	4,154.44	289.68	15.341		
9,600.00	7,164.89	7,200.11	7,199.89	77.84	249.63	92.80	554.45	-5,966.00	4,350.27	4,059.74	290.53	14.973		
9,700.00	7,163.07	7,201.93	7,198.07	80.43	249.70	92.73	554.45	-5,966.00	4,256.70	3,965.13	291.57	14.599		
9,800.00	7,161.26	7,203.74	7,196.26	83.02	249.76	92.66	554.45	-5,966.00	4,163.43	3,870.74	292.70	14.224		
9,900.00	7,159.44	7,205.56	7,194.44	85.64	249.82	92.59	554.45	-5,966.00	4,070.48	3,776.58	293.90	13.850		
10,000.00	7,157.62	7,207.38	7,192.62	88.27	249.89	92.52	554.45	-5,966.00	3,977.87	3,682.67	295.19	13.475		
10,100.00	7,155.80	7,209.20	7,190.80	90.91	249.95	92.45	554.45	-5,966.00	3,885.62	3,589.04	296.58	13.101		
10,200.00	7,153.99	7,188.99	7,188.99	93.56	249.24	92.39	554.45	-5,966.00	3,793.76	3,496.47	297.30	12.761		
10,300.00	7,152.17	7,187.17	7,187.17	96.23	249.18	92.32	554.45	-5,966.00	3,702.33	3,403.57	298.76	12.392		
10,400.00	7,150.35	7,185.35	7,185.35	98.90	249.12	92.25	554.45	-5,966.00	3,611.35	3,311.02	300.33	12.025		
10,500.00	7,148.54	7,183.54	7,183.54	101.59	249.05	92.18	554.45	-5,966.00	3,520.86	3,218.84	302.02	11.658		
10,600.00	7,146.72	7,181.72	7,181.72	104.28	248.99	92.11	554.45	-5,966.00	3,430.89	3,127.06	303.83	11.292		
10,700.00	7,144.90	7,179.90	7,179.90	106.98	248.93	92.04	554.45	-5,966.00	3,341.50	3,035.72	305.78	10.928		
10,800.00	7,143.08	7,178.08	7,178.08	109.69	248.86	91.98	554.45	-5,966.00	3,252.72	2,944.86	307.86	10.566		
10,900.00	7,141.27	7,176.27	7,176.27	112.41	248.80	91.91	554.45	-5,966.00	3,164.61	2,854.52	310.09	10.205		
11,000.00	7,139.45	7,174.45	7,174.45	115.13	248.74	91.84	554.45	-5,966.00	3,077.22	2,764.75	312.48	9.848		
11,100.00	7,137.63	7,172.63	7,172.63	117.86	248.67	91.77	554.45	-5,966.00	2,990.63	2,675.60	315.03	9.493		
11,200.00	7,135.82	7,170.82	7,170.82	120.59	248.61	91.70	554.45	-5,966.00	2,904.89	2,587.14	317.75	9.142		
11,300.00	7,134.00	7,169.00	7,169.00	123.33	248.55	91.63	554.45	-5,966.00	2,820.10	2,499.43	320.67	8.795		
11,400.00	7,132.18	7,167.18	7,167.18	126.07	248.48	91.56	554.45	-5,966.00	2,736.32	2,412.55	323.77	8.451		
11,500.00	7,130.36	7,165.36	7,165.36	128.82	248.42	91.49	554.45	-5,966.00	2,653.68	2,326.60	327.08	8.113		
11,600.00	7,128.55	7,163.55	7,163.55	131.57	248.36	91.43	554.45	-5,966.00	2,572.26	2,241.65	330.61	7.780		
11,700.00	7,126.73	7,161.73	7,161.73	134.33	248.29	91.36	554.45	-5,966.00	2,492.19	2,157.83	334.36	7.454		
11,800.00	7,124.91	7,159.91	7,159.91	137.09	248.23	91.29	554.45	-5,966.00	2,413.61	2,075.27	338.35	7.134		
11,900.00	7,123.10	7,158.10	7,158.10	139.85	248.17	91.22	554.45	-5,966.00	2,336.67	1,994.09	342.58	6.821		
12,000.00	7,121.28	7,156.28	7,156.28	142.62	248.10	91.15	554.45	-5,966.00	2,261.53	1,914.47	347.06	6.516		
12,100.00	7,119.46	7,154.46	7,154.46	145.39	248.04	91.08	554.45	-5,966.00	2,188.38	1,836.58	351.80	6.221		
12,200.00	7,117.64	7,152.64	7,152.64	148.16	247.98	91.01	554.45	-5,966.00	2,117.43	1,760.63	356.79	5.935		
12,300.00	7,115.83	7,150.83	7,150.83	150.94	247.91	90.95	554.45	-5,966.00	2,048.89	1,686.86	362.04	5.659		
12,400.00	7,114.01	7,149.01	7,149.01	153.72	247.85	90.88	554.45	-5,966.00	1,983.04	1,615.51	367.53	5.396		
12,500.00	7,112.19	7,147.19	7,147.19	156.50	247.79	90.81	554.45	-5,966.00	1,920.13	1,546.89	373.24	5.145		
12,600.00	7,110.37	7,145.37	7,145.37	159.28	247.72	90.74	554.45	-5,966.00	1,860.47	1,481.32	379.15	4.907		
12,700.00	7,108.56	7,143.56	7,143.56	162.07	247.66	90.67	554.45	-5,966.00	1,804.38	1,419.17	385.21	4.684		
12,800.00	7,106.74	7,141.74	7,141.74	164.86	247.59	90.60	554.45	-5,966.00	1,752.21	1,360.82	391.39	4.477		
12,900.00	7,104.92	7,139.92	7,139.92	167.65	247.53	90.53	554.45	-5,966.00	1,704.31	1,306.70	397.60	4.286		
13,000.00	7,103.11	7,138.11	7,138.11	170.44	247.47	90.47	554.45	-5,966.00	1,661.05	1,257.27	403.78	4.114		
13,100.00	7,101.29	7,136.29	7,136.29	173.23	247.40	90.40	554.45	-5,966.00	1,622.81	1,213.00	409.81	3.960		
13,200.00	7,099.47	7,134.47	7,134.47	176.03	247.34	90.33	554.45	-5,966.00	1,589.95	1,174.34	415.61	3.826		
13,300.00	7,097.65	7,132.65	7,132.65	178.82	247.28	90.26	554.45	-5,966.00	1,562.80	1,141.75	421.05	3.712		
13,400.00	7,095.84	7,130.84	7,130.84	181.62	247.21	90.19	554.45	-5,966.00	1,541.67	1,115.66	426.01	3.619		
13,500.00	7,094.02	7,129.02	7,129.02	184.42	247.15	90.12	554.45	-5,966.00	1,526.80	1,096.42	430.39	3.548		
13,600.00	7,092.20	7,127.20	7,127.20	187.22	247.09	90.05	554.45	-5,966.00	1,518.39	1,084.31	434.08	3.498		
13,678.11	7,090.78	7,125.78	7,125.78	189.41	247.04	90.00	554.45	-5,966.00	1,516.38	1,079.93	436.45	3.474 CC		
13,700.00	7,090.39	7,125.39	7,125.39	190.03	247.02	89.98	554.45	-5,966.00	1,516.54	1,079.51	437.03	3.470 ES		
13,800.00	7,088.57	7,123.57	7,123.57	192.83	246.96	89.92	554.45	-5,966.00	1,521.27	1,082.10	439.17	3.464 SF		
13,900.00	7,086.75	7,121.75	7,121.75	195.64	246.90	89.85	554.45	-5,966.00	1,532.53	1,092.02	440.50	3.479		
14,000.00	7,084.93	7,119.93	7,119.93	198.44	246.83	89.78	554.45	-5,966.00	1,550.16	1,109.13	441.03	3.515		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - REICHERT #1-6 - 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
14,100.00	7,083.12	7,118.12	7,118.12	201.25	246.77	89.71	554.45	-5,966.00	1,573.96	1,133.15	440.81	3.571	
14,200.00	7,081.30	7,116.30	7,116.30	204.06	246.71	89.64	554.45	-5,966.00	1,603.65	1,163.74	439.91	3.645	
14,300.00	7,079.48	7,114.48	7,114.48	206.87	246.64	89.57	554.45	-5,966.00	1,638.91	1,200.51	438.41	3.738	
14,400.00	7,077.67	7,112.67	7,112.67	209.68	246.58	89.50	554.45	-5,966.00	1,679.40	1,243.00	436.39	3.848	
14,500.00	7,075.85	7,110.85	7,110.85	212.49	246.52	89.44	554.45	-5,966.00	1,724.73	1,290.77	433.96	3.974	
14,600.00	7,074.03	7,109.03	7,109.03	215.31	246.45	89.37	554.45	-5,966.00	1,774.55	1,343.34	431.20	4.115	
14,700.00	7,072.21	7,107.21	7,107.21	218.12	246.39	89.30	554.45	-5,966.00	1,828.48	1,400.28	428.20	4.270	
14,800.00	7,070.40	7,105.40	7,105.40	220.93	246.33	89.23	554.45	-5,966.00	1,886.17	1,461.14	425.03	4.438	
14,900.00	7,068.58	7,103.58	7,103.58	223.75	246.26	89.16	554.45	-5,966.00	1,947.29	1,525.55	421.74	4.617	
15,000.00	7,066.76	7,101.76	7,101.76	226.57	246.20	89.09	554.45	-5,966.00	2,011.53	1,593.12	418.40	4.808	
15,100.00	7,064.95	7,100.05	7,099.95	229.38	246.14	89.02	554.45	-5,966.00	2,078.59	1,663.53	415.06	5.008	
15,200.00	7,063.13	7,101.87	7,098.13	232.20	246.20	88.96	554.45	-5,966.00	2,148.21	1,736.36	411.85	5.216	
15,300.00	7,061.31	7,103.69	7,096.31	235.02	246.27	88.89	554.45	-5,966.00	2,220.15	1,811.46	408.70	5.432	
15,400.00	7,059.49	7,105.51	7,094.49	237.84	246.33	88.82	554.45	-5,966.00	2,294.20	1,888.59	405.61	5.656	
15,500.00	7,057.68	7,107.32	7,092.68	240.66	246.39	88.75	554.45	-5,966.00	2,370.15	1,967.54	402.61	5.887	
15,600.00	7,055.86	7,109.14	7,090.86	243.48	246.46	88.68	554.45	-5,966.00	2,447.83	2,048.13	399.69	6.124	
15,647.29	7,055.00	7,110.00	7,090.00	244.81	246.49	88.65	554.45	-5,966.00	2,485.12	2,086.77	398.35	6.238	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-96.66	-1,001.79	-8,576.25	8,634.56					
100.00	100.00	133.00	133.00	3.28	4.38	-96.66	-1,001.79	-8,576.25	8,634.56	8,626.90	7.66	1,127.046		
200.00	200.00	233.00	233.00	3.34	7.18	-96.66	-1,001.79	-8,576.25	8,634.56	8,624.04	10.52	820.902		
300.00	300.00	333.00	333.00	3.44	10.41	-96.66	-1,001.79	-8,576.25	8,634.56	8,620.71	13.85	623.223		
400.00	399.98	432.98	432.98	3.60	13.77	127.33	-1,001.79	-8,576.25	8,635.62	8,618.26	17.36	497.361		
500.00	499.84	532.84	532.84	3.79	17.17	127.31	-1,001.79	-8,576.25	8,638.80	8,617.84	20.96	412.147		
600.00	599.45	632.45	632.45	4.03	20.60	127.27	-1,001.79	-8,576.25	8,644.09	8,619.47	24.62	351.119		
700.00	698.70	731.70	731.70	4.30	24.02	127.21	-1,001.79	-8,576.25	8,651.50	8,623.18	28.32	305.520		
790.00	787.61	820.61	820.61	4.57	27.10	127.15	-1,001.79	-8,576.25	8,659.98	8,628.31	31.67	273.448		
800.00	797.47	830.47	830.47	4.60	27.44	127.16	-1,001.79	-8,576.25	8,661.02	8,628.97	32.04	270.283		
900.00	896.01	929.01	929.01	4.94	30.86	127.25	-1,001.79	-8,576.25	8,671.41	8,635.61	35.79	242.261		
1,000.00	994.55	1,027.55	1,027.55	5.30	34.28	127.34	-1,001.79	-8,576.25	8,681.82	8,642.24	39.57	219.401		
1,100.00	1,093.09	1,126.09	1,126.09	5.68	37.71	127.43	-1,001.79	-8,576.25	8,692.24	8,648.88	43.37	200.425		
1,200.00	1,191.63	1,224.63	1,224.63	6.08	41.14	127.51	-1,001.79	-8,576.25	8,702.70	8,655.51	47.19	184.437		
1,300.00	1,290.17	1,323.17	1,323.17	6.49	44.57	127.60	-1,001.79	-8,576.25	8,713.17	8,662.15	51.02	170.794		
1,400.00	1,388.71	1,421.71	1,421.71	6.91	48.00	127.69	-1,001.79	-8,576.25	8,723.66	8,668.80	54.86	159.023		
1,500.00	1,487.25	1,520.25	1,520.25	7.34	51.43	127.78	-1,001.79	-8,576.25	8,734.17	8,675.46	58.71	148.770		
1,600.00	1,585.79	1,618.79	1,618.79	7.77	54.86	127.86	-1,001.79	-8,576.25	8,744.70	8,682.13	62.57	139.761		
1,700.00	1,684.34	1,717.34	1,717.34	8.22	58.30	127.95	-1,001.79	-8,576.25	8,755.26	8,688.82	66.44	131.786		
1,800.00	1,782.88	1,815.88	1,815.88	8.66	61.73	128.04	-1,001.79	-8,576.25	8,765.83	8,695.52	70.31	124.678		
1,900.00	1,881.42	1,914.42	1,914.42	9.12	65.17	128.13	-1,001.79	-8,576.25	8,776.42	8,702.24	74.18	118.305		
2,000.00	1,979.96	2,012.96	2,012.96	9.57	68.61	128.21	-1,001.79	-8,576.25	8,787.04	8,708.97	78.07	112.560		
2,100.00	2,078.50	2,111.50	2,111.50	10.03	72.04	128.30	-1,001.79	-8,576.25	8,797.67	8,715.72	81.95	107.354		
2,200.00	2,177.04	2,210.04	2,210.04	10.49	75.48	128.38	-1,001.79	-8,576.25	8,808.33	8,722.49	85.84	102.616		
2,300.00	2,275.58	2,308.58	2,308.58	10.95	78.92	128.47	-1,001.79	-8,576.25	8,819.00	8,729.27	89.73	98.286		
2,400.00	2,374.12	2,407.12	2,407.12	11.42	82.35	128.56	-1,001.79	-8,576.25	8,829.69	8,736.07	93.62	94.313		
2,500.00	2,472.66	2,505.66	2,505.66	11.89	85.79	128.64	-1,001.79	-8,576.25	8,840.41	8,742.89	97.52	90.656		
2,600.00	2,571.20	2,604.20	2,604.20	12.36	89.23	128.73	-1,001.79	-8,576.25	8,851.14	8,749.73	101.41	87.279		
2,700.00	2,669.74	2,702.74	2,702.74	12.83	92.67	128.81	-1,001.79	-8,576.25	8,861.90	8,756.59	105.31	84.150		
2,800.00	2,768.28	2,801.28	2,801.28	13.30	96.10	128.90	-1,001.79	-8,576.25	8,872.67	8,763.46	109.21	81.244		
2,900.00	2,866.83	2,900.18	2,899.83	13.78	99.55	128.98	-1,001.79	-8,576.25	8,883.46	8,770.34	113.12	78.529		
3,000.00	2,965.37	3,001.63	2,998.37	14.25	103.09	129.07	-1,001.79	-8,576.25	8,894.27	8,777.15	117.13	75.937		
3,100.00	3,063.91	3,103.09	3,096.91	14.73	106.63	129.15	-1,001.79	-8,576.25	8,905.11	8,783.97	121.13	73.516		
3,200.00	3,162.45	3,204.55	3,195.45	15.20	110.17	129.23	-1,001.79	-8,576.25	8,915.96	8,790.82	125.14	71.249		
3,300.00	3,260.99	3,306.01	3,293.99	15.68	113.71	129.32	-1,001.79	-8,576.25	8,926.83	8,797.68	129.14	69.123		
3,400.00	3,359.53	3,407.47	3,392.53	16.16	117.26	129.40	-1,001.79	-8,576.25	8,937.72	8,804.56	133.15	67.124		
3,500.00	3,458.07	3,508.93	3,491.07	16.64	120.80	129.49	-1,001.79	-8,576.25	8,948.62	8,811.46	137.16	65.242		
3,600.00	3,556.61	3,589.61	3,589.61	17.12	123.61	129.57	-1,001.79	-8,576.25	8,959.55	8,819.11	140.44	63.795		
3,700.00	3,655.15	3,688.15	3,688.15	17.60	127.05	129.65	-1,001.79	-8,576.25	8,970.50	8,826.15	144.35	62.144		
3,800.00	3,753.69	3,786.69	3,786.69	18.08	130.49	129.73	-1,001.79	-8,576.25	8,981.46	8,833.20	148.26	60.580		
3,900.00	3,852.23	3,885.23	3,885.23	18.56	133.93	129.82	-1,001.79	-8,576.25	8,992.45	8,840.28	152.17	59.096		
4,000.00	3,950.77	3,983.77	3,983.77	19.04	137.37	129.90	-1,001.79	-8,576.25	9,003.45	8,847.37	156.08	57.686		
4,100.00	4,049.31	4,082.31	4,082.31	19.52	140.81	129.98	-1,001.79	-8,576.25	9,014.47	8,854.49	159.99	56.346		
4,200.00	4,147.86	4,180.86	4,180.86	20.00	144.25	130.06	-1,001.79	-8,576.25	9,025.51	8,861.62	163.89	55.069		
4,300.00	4,246.40	4,279.40	4,279.40	20.49	147.68	130.15	-1,001.79	-8,576.25	9,036.57	8,868.77	167.80	53.852		
4,400.00	4,344.94	4,377.94	4,377.94	20.97	151.12	130.23	-1,001.79	-8,576.25	9,047.65	8,875.93	171.71	52.690		
4,500.00	4,443.48	4,476.48	4,476.48	21.45	154.56	130.31	-1,001.79	-8,576.25	9,058.74	8,883.12	175.63	51.580		
4,600.00	4,542.02	4,575.02	4,575.02	21.94	158.00	130.39	-1,001.79	-8,576.25	9,069.86	8,890.32	179.54	50.518		
4,700.00	4,640.56	4,673.56	4,673.56	22.42	161.44	130.47	-1,001.79	-8,576.25	9,080.99	8,897.54	183.45	49.502		
4,800.00	4,739.10	4,772.10	4,772.10	22.91	164.88	130.55	-1,001.79	-8,576.25	9,092.14	8,904.78	187.36	48.528		
4,900.00	4,837.64	4,870.64	4,870.64	23.39	168.32	130.63	-1,001.79	-8,576.25	9,103.31	8,912.04	191.27	47.594		
5,000.00	4,936.18	4,969.18	4,969.18	23.87	171.76	130.71	-1,001.79	-8,576.25	9,114.50	8,919.32	195.18	46.698		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	5,067.72	5,067.72	24.36	175.20	130.79	-1,001.79	-8,576.25	9,125.70	8,926.61	199.09	45.837		
5,200.00	5,133.26	5,166.26	5,166.26	24.84	178.64	130.87	-1,001.79	-8,576.25	9,136.93	8,933.92	203.00	45.009		
5,300.00	5,231.80	5,264.80	5,264.80	25.33	182.08	130.95	-1,001.79	-8,576.25	9,148.17	8,941.25	206.92	44.212		
5,400.00	5,330.34	5,363.34	5,363.34	25.82	185.52	131.03	-1,001.79	-8,576.25	9,159.43	8,948.60	210.83	43.445		
5,500.00	5,428.89	5,461.89	5,461.89	26.30	188.96	131.11	-1,001.79	-8,576.25	9,170.70	8,955.96	214.74	42.706		
5,600.00	5,527.43	5,560.43	5,560.43	26.79	192.40	131.19	-1,001.79	-8,576.25	9,182.00	8,963.34	218.65	41.994		
5,700.00	5,625.97	5,658.97	5,658.97	27.27	195.84	131.27	-1,001.79	-8,576.25	9,193.31	8,970.74	222.56	41.306		
5,800.00	5,724.51	5,757.51	5,757.51	27.76	199.28	131.35	-1,001.79	-8,576.25	9,204.64	8,978.16	226.48	40.643		
5,900.00	5,823.05	5,856.05	5,856.05	28.24	202.72	131.43	-1,001.79	-8,576.25	9,215.98	8,985.59	230.39	40.002		
6,000.00	5,921.59	5,954.59	5,954.59	28.73	206.16	131.51	-1,001.79	-8,576.25	9,227.35	8,993.05	234.30	39.382		
6,100.00	6,020.13	6,053.13	6,053.13	29.22	209.60	131.59	-1,001.79	-8,576.25	9,238.73	9,000.52	238.21	38.783		
6,200.00	6,118.67	6,151.67	6,151.67	29.70	213.04	131.67	-1,001.79	-8,576.25	9,250.13	9,008.00	242.13	38.204		
6,300.00	6,217.21	6,250.21	6,250.21	30.19	216.47	131.74	-1,001.79	-8,576.25	9,261.55	9,015.51	246.04	37.642		
6,400.00	6,315.75	6,348.75	6,348.75	30.68	219.91	131.82	-1,001.79	-8,576.25	9,272.98	9,023.03	249.95	37.099		
6,500.00	6,414.29	6,447.29	6,447.29	31.16	223.35	131.90	-1,001.79	-8,576.25	9,284.43	9,030.56	253.87	36.572		
6,582.51	6,495.60	6,528.60	6,528.60	31.57	226.19	131.96	-1,001.79	-8,576.25	9,293.89	9,036.80	257.09	36.150		
6,600.00	6,512.86	6,545.86	6,545.86	31.65	226.79	124.46	-1,001.79	-8,576.25	9,295.66	9,037.88	257.78	36.061		
6,650.00	6,562.39	6,604.61	6,595.39	31.88	228.85	94.10	-1,001.79	-8,576.25	9,298.07	9,038.02	260.05	35.754		
6,700.00	6,611.96	6,644.96	6,644.96	32.08	230.25	61.29	-1,001.79	-8,576.25	9,296.57	9,034.89	261.67	35.528		
6,750.00	6,661.26	6,705.74	6,694.26	32.27	232.38	40.61	-1,001.79	-8,576.25	9,291.15	9,027.17	263.98	35.196		
6,800.00	6,709.99	6,742.99	6,742.99	32.44	233.68	29.34	-1,001.79	-8,576.25	9,281.85	9,016.40	265.45	34.967		
6,850.00	6,757.84	6,809.16	6,790.84	32.61	235.99	22.79	-1,001.79	-8,576.25	9,268.74	9,000.83	267.91	34.596		
6,900.00	6,804.53	6,837.53	6,837.53	32.77	236.98	18.63	-1,001.79	-8,576.25	9,251.88	8,982.84	269.04	34.389		
6,950.00	6,849.77	6,882.77	6,882.77	32.92	238.55	15.82	-1,001.79	-8,576.25	9,231.39	8,960.65	270.74	34.097		
7,000.00	6,893.27	6,926.27	6,926.27	33.07	240.07	13.81	-1,001.79	-8,576.25	9,207.38	8,935.02	272.37	33.805		
7,050.00	6,934.77	6,967.77	6,967.77	33.23	241.52	12.33	-1,001.79	-8,576.25	9,180.02	8,906.11	273.91	33.515		
7,100.00	6,974.01	7,007.01	7,007.01	33.39	242.89	11.21	-1,001.79	-8,576.25	9,149.45	8,874.10	275.36	33.228		
7,150.00	7,010.75	7,043.75	7,043.75	33.55	244.17	10.34	-1,001.79	-8,576.25	9,115.88	8,839.18	276.71	32.944		
7,200.00	7,044.77	7,077.77	7,077.77	33.72	245.36	9.67	-1,001.79	-8,576.25	9,079.52	8,801.57	277.95	32.666		
7,250.00	7,075.85	7,108.85	7,108.85	33.92	246.45	9.15	-1,001.79	-8,576.25	9,040.57	8,761.49	279.08	32.395		
7,300.00	7,103.80	7,136.80	7,136.80	34.13	247.42	8.75	-1,001.79	-8,576.25	8,999.29	8,719.20	280.09	32.130		
7,350.00	7,128.45	7,161.45	7,161.45	34.38	248.28	8.46	-1,001.79	-8,576.25	8,955.92	8,674.95	280.97	31.875		
7,400.00	7,149.65	7,182.65	7,182.65	34.67	249.02	8.27	-1,001.79	-8,576.25	8,910.74	8,629.01	281.73	31.629		
7,450.00	7,167.26	7,200.26	7,200.26	35.00	249.64	8.18	-1,001.79	-8,576.25	8,864.02	8,581.67	282.35	31.394		
7,500.00	7,181.19	7,214.19	7,214.19	35.38	250.12	8.24	-1,001.79	-8,576.25	8,816.05	8,533.21	282.84	31.169		
7,550.00	7,191.34	7,224.34	7,224.34	35.81	250.48	8.53	-1,001.79	-8,576.25	8,767.13	8,483.93	283.20	30.957		
7,600.00	7,197.65	7,230.65	7,230.65	36.28	250.70	9.59	-1,001.79	-8,576.25	8,717.55	8,434.13	283.42	30.758		
7,650.00	7,200.08	7,233.08	7,233.08	36.80	250.78	26.95	-1,001.79	-8,576.25	8,667.62	8,384.12	283.51	30.573		
7,667.87	7,200.00	7,233.00	7,233.00	36.99	250.78	175.62	-1,001.79	-8,576.25	8,649.75	8,366.25	283.50	30.510		
7,700.00	7,199.42	7,232.42	7,232.42	37.35	250.76	175.60	-1,001.79	-8,576.25	8,617.63	8,334.14	283.48	30.399		
7,800.00	7,197.60	7,230.60	7,230.60	38.62	250.70	175.55	-1,001.79	-8,576.25	8,517.64	8,234.22	283.43	30.052		
7,900.00	7,195.78	7,228.78	7,228.78	40.06	250.63	175.50	-1,001.79	-8,576.25	8,417.66	8,134.29	283.37	29.706		
8,000.00	7,193.97	7,226.97	7,226.97	41.66	250.57	175.45	-1,001.79	-8,576.25	8,317.68	8,034.36	283.31	29.359		
8,100.00	7,192.15	7,225.15	7,225.15	43.40	250.51	175.39	-1,001.79	-8,576.25	8,217.69	7,934.44	283.26	29.011		
8,200.00	7,190.33	7,223.33	7,223.33	45.25	250.44	175.34	-1,001.79	-8,576.25	8,117.71	7,834.51	283.20	28.664		
8,300.00	7,188.51	7,221.51	7,221.51	47.20	250.38	175.28	-1,001.79	-8,576.25	8,017.73	7,734.58	283.15	28.316		
8,400.00	7,186.70	7,219.70	7,219.70	49.25	250.32	175.22	-1,001.79	-8,576.25	7,917.74	7,634.64	283.10	27.968		
8,500.00	7,184.88	7,217.88	7,217.88	51.37	250.25	175.16	-1,001.79	-8,576.25	7,817.76	7,534.71	283.05	27.620		
8,600.00	7,183.06	7,216.06	7,216.06	53.56	250.19	175.09	-1,001.79	-8,576.25	7,717.78	7,434.78	283.00	27.271		
8,700.00	7,181.24	7,214.24	7,214.24	55.81	250.13	175.03	-1,001.79	-8,576.25	7,617.79	7,334.84	282.95	26.922		
8,800.00	7,179.43	7,212.43	7,212.43	58.11	250.06	174.96	-1,001.79	-8,576.25	7,517.81	7,234.91	282.91	26.574		
8,900.00	7,177.61	7,210.61	7,210.61	60.46	250.00	174.90	-1,001.79	-8,576.25	7,417.83	7,134.97	282.86	26.224		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	7,208.79	7,208.79	62.85	249.94	174.83	-1,001.79	-8,576.25	7,317.84	7,035.03	282.82	25.875		
9,100.00	7,173.98	7,206.98	7,206.98	65.28	249.87	174.76	-1,001.79	-8,576.25	7,217.86	6,935.09	282.77	25.525		
9,200.00	7,172.16	7,205.16	7,205.16	67.74	249.81	174.68	-1,001.79	-8,576.25	7,117.88	6,835.15	282.73	25.176		
9,300.00	7,170.34	7,203.34	7,203.34	70.23	249.75	174.61	-1,001.79	-8,576.25	7,017.89	6,735.21	282.69	24.826		
9,400.00	7,168.52	7,201.52	7,201.52	72.74	249.68	174.53	-1,001.79	-8,576.25	6,917.91	6,635.26	282.65	24.475		
9,500.00	7,166.71	7,200.29	7,199.71	75.28	249.64	174.45	-1,001.79	-8,576.25	6,817.93	6,535.30	282.63	24.123		
9,600.00	7,164.89	7,202.11	7,197.89	77.84	249.70	174.37	-1,001.79	-8,576.25	6,717.94	6,435.23	282.72	23.762		
9,700.00	7,163.07	7,203.93	7,196.07	80.43	249.77	174.28	-1,001.79	-8,576.25	6,617.96	6,335.15	282.81	23.401		
9,800.00	7,161.26	7,205.74	7,194.26	83.02	249.83	174.20	-1,001.79	-8,576.25	6,517.98	6,235.08	282.90	23.040		
9,900.00	7,159.44	7,207.56	7,192.44	85.64	249.89	174.11	-1,001.79	-8,576.25	6,417.99	6,135.01	282.99	22.679		
10,000.00	7,157.62	7,209.38	7,190.62	88.27	249.96	174.01	-1,001.79	-8,576.25	6,318.01	6,034.93	283.08	22.319		
10,100.00	7,155.80	7,188.80	7,188.80	90.91	249.24	173.92	-1,001.79	-8,576.25	6,218.03	5,935.63	282.39	22.019		
10,200.00	7,153.99	7,186.99	7,186.99	93.56	249.17	173.82	-1,001.79	-8,576.25	6,118.04	5,835.68	282.36	21.667		
10,300.00	7,152.17	7,185.17	7,185.17	96.23	249.11	173.72	-1,001.79	-8,576.25	6,018.06	5,735.73	282.33	21.316		
10,400.00	7,150.35	7,183.35	7,183.35	98.90	249.05	173.61	-1,001.79	-8,576.25	5,918.08	5,635.78	282.30	20.964		
10,500.00	7,148.54	7,181.54	7,181.54	101.59	248.98	173.50	-1,001.79	-8,576.25	5,818.09	5,535.82	282.27	20.612		
10,600.00	7,146.72	7,179.72	7,179.72	104.28	248.92	173.39	-1,001.79	-8,576.25	5,718.11	5,435.87	282.25	20.259		
10,700.00	7,144.90	7,177.90	7,177.90	106.98	248.86	173.28	-1,001.79	-8,576.25	5,618.13	5,335.91	282.22	19.907		
10,800.00	7,143.08	7,176.08	7,176.08	109.69	248.79	173.16	-1,001.79	-8,576.25	5,518.14	5,235.95	282.19	19.554		
10,900.00	7,141.27	7,174.27	7,174.27	112.41	248.73	173.03	-1,001.79	-8,576.25	5,418.16	5,135.99	282.17	19.202		
11,000.00	7,139.45	7,172.45	7,172.45	115.13	248.67	172.90	-1,001.79	-8,576.25	5,318.18	5,036.03	282.15	18.849		
11,100.00	7,137.63	7,170.63	7,170.63	117.86	248.60	172.77	-1,001.79	-8,576.25	5,218.20	4,936.07	282.12	18.496		
11,200.00	7,135.82	7,168.82	7,168.82	120.59	248.54	172.63	-1,001.79	-8,576.25	5,118.21	4,836.11	282.10	18.143		
11,300.00	7,134.00	7,167.00	7,167.00	123.33	248.48	172.48	-1,001.79	-8,576.25	5,018.23	4,736.15	282.08	17.790		
11,400.00	7,132.18	7,165.18	7,165.18	126.07	248.41	172.33	-1,001.79	-8,576.25	4,918.25	4,636.18	282.06	17.437		
11,500.00	7,130.36	7,163.36	7,163.36	128.82	248.35	172.17	-1,001.79	-8,576.25	4,818.26	4,536.22	282.04	17.083		
11,600.00	7,128.55	7,161.55	7,161.55	131.57	248.29	172.01	-1,001.79	-8,576.25	4,718.28	4,436.25	282.03	16.730		
11,700.00	7,126.73	7,159.73	7,159.73	134.33	248.22	171.84	-1,001.79	-8,576.25	4,618.30	4,336.29	282.01	16.376		
11,800.00	7,124.91	7,157.91	7,157.91	137.09	248.16	171.66	-1,001.79	-8,576.25	4,518.31	4,236.32	281.99	16.023		
11,900.00	7,123.10	7,156.10	7,156.10	139.85	248.10	171.47	-1,001.79	-8,576.25	4,418.33	4,136.35	281.98	15.669		
12,000.00	7,121.28	7,154.28	7,154.28	142.62	248.03	171.28	-1,001.79	-8,576.25	4,318.35	4,036.38	281.97	15.315		
12,100.00	7,119.46	7,152.46	7,152.46	145.39	247.97	171.08	-1,001.79	-8,576.25	4,218.36	3,936.41	281.95	14.961		
12,200.00	7,117.64	7,150.64	7,150.64	148.16	247.91	170.86	-1,001.79	-8,576.25	4,118.38	3,836.44	281.94	14.607		
12,300.00	7,115.83	7,148.83	7,148.83	150.94	247.84	170.64	-1,001.79	-8,576.25	4,018.40	3,736.46	281.93	14.253		
12,400.00	7,114.01	7,147.01	7,147.01	153.72	247.78	170.41	-1,001.79	-8,576.25	3,918.41	3,636.49	281.92	13.899		
12,500.00	7,112.19	7,145.19	7,145.19	156.50	247.72	170.16	-1,001.79	-8,576.25	3,818.43	3,536.52	281.92	13.545		
12,600.00	7,110.37	7,143.37	7,143.37	159.28	247.65	169.90	-1,001.79	-8,576.25	3,718.45	3,436.54	281.91	13.190		
12,700.00	7,108.56	7,141.56	7,141.56	162.07	247.59	169.63	-1,001.79	-8,576.25	3,618.47	3,336.56	281.90	12.836		
12,800.00	7,106.74	7,139.74	7,139.74	164.86	247.53	169.34	-1,001.79	-8,576.25	3,518.48	3,236.59	281.90	12.481		
12,900.00	7,104.92	7,137.92	7,137.92	167.65	247.46	169.03	-1,001.79	-8,576.25	3,418.50	3,136.61	281.89	12.127		
13,000.00	7,103.11	7,136.11	7,136.11	170.44	247.40	168.71	-1,001.79	-8,576.25	3,318.52	3,036.63	281.89	11.772		
13,100.00	7,101.29	7,134.29	7,134.29	173.23	247.33	168.37	-1,001.79	-8,576.25	3,218.53	2,936.65	281.89	11.418		
13,200.00	7,099.47	7,132.47	7,132.47	176.03	247.27	168.01	-1,001.79	-8,576.25	3,118.55	2,836.67	281.88	11.063		
13,300.00	7,097.65	7,130.65	7,130.65	178.82	247.21	167.62	-1,001.79	-8,576.25	3,018.57	2,736.68	281.88	10.709		
13,400.00	7,095.84	7,128.84	7,128.84	181.62	247.14	167.21	-1,001.79	-8,576.25	2,918.59	2,636.70	281.88	10.354		
13,500.00	7,094.02	7,127.02	7,127.02	184.42	247.08	166.78	-1,001.79	-8,576.25	2,818.60	2,536.72	281.89	9.999		
13,600.00	7,092.20	7,125.20	7,125.20	187.22	247.02	166.31	-1,001.79	-8,576.25	2,718.62	2,436.73	281.89	9.644		
13,700.00	7,090.39	7,123.39	7,123.39	190.03	246.95	165.80	-1,001.79	-8,576.25	2,618.64	2,336.75	281.89	9.289		
13,800.00	7,088.57	7,121.57	7,121.57	192.83	246.89	165.27	-1,001.79	-8,576.25	2,518.66	2,236.76	281.90	8.935		
13,900.00	7,086.75	7,119.75	7,119.75	195.64	246.83	164.68	-1,001.79	-8,576.25	2,418.67	2,136.77	281.90	8.580		
14,000.00	7,084.93	7,117.93	7,117.93	198.44	246.76	164.06	-1,001.79	-8,576.25	2,318.69	2,036.78	281.91	8.225		
14,100.00	7,083.12	7,116.12	7,116.12	201.25	246.70	163.38	-1,001.79	-8,576.25	2,218.71	1,936.79	281.92	7.870		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - ROTHE #1-14 - 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
14,200.00	7,081.30	7,114.30	7,114.30	204.06	246.64	162.64	-1,001.79	-8,576.25	2,118.73	1,836.80	281.93	7.515	
14,300.00	7,079.48	7,112.48	7,112.48	206.87	246.57	161.83	-1,001.79	-8,576.25	2,018.75	1,736.81	281.94	7.160	
14,400.00	7,077.67	7,110.67	7,110.67	209.68	246.51	160.95	-1,001.79	-8,576.25	1,918.76	1,636.81	281.95	6.805	
14,500.00	7,075.85	7,108.85	7,108.85	212.49	246.45	159.99	-1,001.79	-8,576.25	1,818.78	1,536.82	281.96	6.450	
14,600.00	7,074.03	7,107.03	7,107.03	215.31	246.38	158.92	-1,001.79	-8,576.25	1,718.80	1,436.82	281.98	6.096	
14,700.00	7,072.21	7,105.21	7,105.21	218.12	246.32	157.75	-1,001.79	-8,576.25	1,618.82	1,336.83	281.99	5.741	
14,800.00	7,070.40	7,103.40	7,103.40	220.93	246.26	156.44	-1,001.79	-8,576.25	1,518.84	1,236.83	282.01	5.386	
14,900.00	7,068.58	7,101.58	7,101.58	223.75	246.19	154.97	-1,001.79	-8,576.25	1,418.86	1,136.83	282.03	5.031	
15,000.00	7,066.76	7,100.24	7,099.76	226.57	246.15	153.33	-1,001.79	-8,576.25	1,318.88	1,036.81	282.07	4.676	
15,100.00	7,064.95	7,102.05	7,097.95	229.38	246.21	151.48	-1,001.79	-8,576.25	1,218.90	936.67	282.23	4.319	
15,200.00	7,063.13	7,103.87	7,096.13	232.20	246.27	149.37	-1,001.79	-8,576.25	1,118.92	836.53	282.39	3.962	
15,300.00	7,061.31	7,105.69	7,094.31	235.02	246.34	146.97	-1,001.79	-8,576.25	1,018.95	736.39	282.55	3.606	
15,400.00	7,059.49	7,107.51	7,092.49	237.84	246.40	144.21	-1,001.79	-8,576.25	918.97	636.24	282.73	3.250	
15,500.00	7,057.68	7,109.32	7,090.68	240.66	246.46	141.03	-1,001.79	-8,576.25	819.00	536.08	282.91	2.895	
15,600.00	7,055.86	7,088.86	7,088.86	243.48	245.75	137.34	-1,001.79	-8,576.25	719.02	436.69	282.34	2.547	
15,647.29	7,055.00	7,088.00	7,088.00	244.81	245.72	135.40	-1,001.79	-8,576.25	671.75	389.36	282.39	2.379 CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-102.83	-1,239.47	-5,441.95	5,581.32					
100.00	100.00	63.70	63.70	3.28	3.28	-102.83	-1,239.33	-5,442.22	5,581.69	5,575.13	6.57	849.847		
200.00	200.00	154.93	154.92	3.34	3.31	-102.82	-1,238.79	-5,443.26	5,582.65	5,576.01	6.65	839.646		
300.00	300.00	264.19	264.18	3.44	3.41	-102.81	-1,238.28	-5,444.18	5,583.37	5,576.52	6.85	814.806		
400.00	399.98	382.03	382.02	3.60	3.58	121.19	-1,237.76	-5,445.04	5,584.90	5,577.73	7.17	778.550		
500.00	499.84	491.83	491.81	3.79	3.79	121.19	-1,237.20	-5,445.49	5,587.89	5,580.32	7.58	737.505		
600.00	599.45	609.09	609.07	4.03	4.06	121.21	-1,236.40	-5,445.74	5,592.49	5,584.40	8.08	691.774		
700.00	698.70	713.48	713.45	4.30	4.34	121.23	-1,235.36	-5,445.80	5,598.68	5,590.04	8.63	648.431		
790.00	787.61	792.28	792.25	4.57	4.57	121.22	-1,234.56	-5,445.90	5,605.87	5,596.73	9.14	613.575		
800.00	797.47	801.07	801.04	4.60	4.60	121.23	-1,234.47	-5,445.92	5,606.76	5,597.56	9.20	609.720		
900.00	896.01	893.34	893.30	4.94	4.88	121.38	-1,233.48	-5,446.19	5,615.76	5,605.95	9.81	572.246		
1,000.00	994.55	997.92	997.85	5.30	5.23	121.56	-1,231.10	-5,446.78	5,624.82	5,614.30	10.51	535.007		
1,100.00	1,093.09	1,051.35	1,051.22	5.68	5.41	121.67	-1,228.72	-5,447.50	5,634.24	5,623.16	11.08	508.566		
1,200.00	1,191.63	1,104.62	1,104.37	6.08	5.61	121.78	-1,225.32	-5,448.88	5,644.52	5,632.85	11.66	483.945		
1,300.00	1,290.17	1,178.35	1,177.76	6.49	5.91	121.96	-1,218.86	-5,451.59	5,655.44	5,643.08	12.37	457.277		
1,400.00	1,388.71	1,262.86	1,261.57	6.91	6.31	122.19	-1,208.79	-5,455.51	5,666.80	5,653.63	13.17	430.314		
1,500.00	1,487.25	1,380.75	1,377.77	7.34	6.93	122.56	-1,190.00	-5,461.84	5,678.28	5,664.07	14.21	399.561		
1,600.00	1,585.79	1,495.35	1,489.93	7.77	7.62	122.95	-1,167.41	-5,468.22	5,689.44	5,674.12	15.32	371.311		
1,700.00	1,684.34	1,671.51	1,660.36	8.22	8.84	123.64	-1,124.00	-5,477.93	5,699.95	5,682.97	16.98	335.626		
1,800.00	1,782.88	1,822.11	1,803.72	8.66	10.05	124.31	-1,078.60	-5,485.44	5,709.33	5,690.70	18.63	306.426		
1,900.00	1,881.42	1,868.32	1,847.19	9.12	10.45	124.53	-1,063.15	-5,488.01	5,719.23	5,699.76	19.48	293.632		
2,000.00	1,979.96	1,915.83	1,891.72	9.57	10.88	124.75	-1,046.85	-5,491.08	5,730.16	5,709.81	20.34	281.660		
2,100.00	2,078.50	1,966.97	1,939.45	10.03	11.36	125.00	-1,028.88	-5,494.78	5,742.05	5,720.79	21.26	270.079		
2,200.00	2,177.04	2,029.92	1,997.94	10.49	11.97	125.32	-1,006.14	-5,499.79	5,754.85	5,732.55	22.30	258.029		
2,300.00	2,275.58	2,111.73	2,073.52	10.95	12.77	125.73	-975.56	-5,506.54	5,768.20	5,744.65	23.55	244.932		
2,400.00	2,374.12	2,177.80	2,134.46	11.42	13.43	126.07	-950.66	-5,512.16	5,782.18	5,757.54	24.64	234.635		
2,500.00	2,472.66	2,262.60	2,212.80	11.89	14.25	126.50	-919.07	-5,519.53	5,796.79	5,770.89	25.90	223.787		
2,600.00	2,571.20	2,340.14	2,284.63	12.36	14.99	126.88	-890.61	-5,526.20	5,811.79	5,784.71	27.08	214.653		
2,700.00	2,669.74	2,408.85	2,348.26	12.83	15.64	127.22	-865.43	-5,532.31	5,827.45	5,799.30	28.15	206.998		
2,800.00	2,768.28	2,501.34	2,434.00	13.30	16.50	127.68	-831.73	-5,540.59	5,843.60	5,814.15	29.45	198.456		
2,900.00	2,866.83	2,628.06	2,551.26	13.78	17.67	128.30	-784.91	-5,551.27	5,859.62	5,828.55	31.06	188.646		
3,000.00	2,965.37	2,696.22	2,614.12	14.25	18.31	128.64	-759.18	-5,557.01	5,876.05	5,843.92	32.13	182.877		
3,100.00	3,063.91	2,750.28	2,663.94	14.73	18.83	128.91	-738.76	-5,561.77	5,893.25	5,860.18	33.06	178.250		
3,200.00	3,162.45	2,812.06	2,720.99	15.20	19.41	129.21	-715.75	-5,567.56	5,911.31	5,877.25	34.06	173.546		
3,300.00	3,260.99	2,974.43	2,871.02	15.68	20.91	130.00	-655.35	-5,581.83	5,929.29	5,893.29	36.00	164.701		
3,400.00	3,359.53	3,081.84	2,970.63	16.16	21.85	130.52	-616.08	-5,590.34	5,946.95	5,909.58	37.37	159.127		
3,500.00	3,458.07	3,139.80	3,024.67	16.64	22.34	130.78	-595.61	-5,594.92	5,965.04	5,926.76	38.28	155.839		
3,600.00	3,556.61	3,200.00	3,080.85	17.12	22.85	131.06	-574.62	-5,600.12	5,984.04	5,944.85	39.19	152.686		
3,700.00	3,655.15	3,282.89	3,158.06	17.60	23.56	131.44	-545.39	-5,607.48	6,003.65	5,963.34	40.31	148.920		
3,800.00	3,753.69	3,454.98	3,317.77	18.08	25.04	132.25	-482.70	-5,620.85	6,022.46	5,980.23	42.24	142.594		
3,900.00	3,852.23	3,500.00	3,359.57	18.56	25.42	132.45	-466.33	-5,624.17	6,041.64	5,998.62	43.02	140.445		
4,000.00	3,950.77	3,542.45	3,398.99	19.04	25.80	132.65	-450.96	-5,627.61	6,061.78	6,018.01	43.78	138.463		
4,100.00	4,049.31	3,600.00	3,452.38	19.52	26.30	132.91	-430.18	-5,633.11	6,083.27	6,038.60	44.67	136.175		
4,200.00	4,147.86	3,672.10	3,519.15	20.00	26.95	133.25	-403.94	-5,640.25	6,105.50	6,059.79	45.71	133.569		
4,300.00	4,246.40	3,825.56	3,660.77	20.49	28.35	133.96	-346.34	-5,653.50	6,127.05	6,079.53	47.52	128.932		
4,400.00	4,344.94	3,918.80	3,746.48	20.97	29.21	134.40	-310.43	-5,661.07	6,148.67	6,099.90	48.77	126.064		
4,500.00	4,443.48	4,012.95	3,832.93	21.45	30.08	134.85	-273.87	-5,668.48	6,170.47	6,120.43	50.04	123.319		
4,600.00	4,542.02	4,066.33	3,881.92	21.94	30.58	135.10	-253.11	-5,672.81	6,192.86	6,141.96	50.91	121.654		
4,700.00	4,640.56	4,139.63	3,949.21	22.42	31.26	135.44	-224.76	-5,679.11	6,216.01	6,164.05	51.95	119.643		
4,800.00	4,739.10	4,232.76	4,035.21	22.91	32.10	135.86	-189.91	-5,687.08	6,239.39	6,186.21	53.17	117.338		
4,900.00	4,837.64	4,312.24	4,108.69	23.39	32.81	136.22	-160.42	-5,693.98	6,263.20	6,208.95	54.25	115.455		
5,000.00	4,936.18	4,429.85	4,217.44	23.87	33.84	136.74	-116.73	-5,703.78	6,287.01	6,231.35	55.67	112.938		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	4,500.00	4,282.32	24.36	34.46	137.05	-90.67	-5,709.56	6,311.13	6,254.49	56.64	111.421		
5,200.00	5,133.26	4,561.51	4,339.15	24.84	35.01	137.32	-67.75	-5,714.82	6,335.86	6,278.32	57.54	110.112		
5,300.00	5,231.80	4,642.23	4,413.67	25.33	35.73	137.67	-37.57	-5,722.03	6,361.23	6,302.62	58.61	108.534		
5,400.00	5,330.34	4,738.57	4,502.97	25.82	36.57	138.09	-2.42	-5,730.49	6,386.68	6,326.87	59.81	106.781		
5,500.00	5,428.89	4,809.44	4,568.81	26.30	37.18	138.38	23.01	-5,736.87	6,412.58	6,351.81	60.76	105.534		
5,600.00	5,527.43	4,885.91	4,639.68	26.79	37.85	138.71	50.89	-5,743.83	6,438.93	6,377.15	61.77	104.236		
5,700.00	5,625.97	5,700.00	4,736.64	27.27	45.16	139.16	90.28	-5,753.02	6,465.40	6,396.25	69.16	93.488		
5,800.00	5,724.51	5,066.86	4,806.64	27.76	39.47	139.48	118.84	-5,759.55	6,492.12	6,428.05	64.08	101.320		
5,900.00	5,823.05	5,146.60	4,880.30	28.24	40.18	139.82	148.52	-5,766.76	6,519.44	6,454.33	65.11	100.122		
6,000.00	5,921.59	5,255.85	4,981.48	28.73	41.14	140.27	188.56	-5,776.50	6,546.86	6,480.45	66.42	98.573		
6,100.00	6,020.13	5,334.91	5,054.75	29.22	41.83	140.59	217.46	-5,783.38	6,574.38	6,506.95	67.43	97.498		
6,200.00	6,118.67	5,400.00	5,114.93	29.70	42.40	140.86	241.55	-5,789.24	6,602.49	6,534.18	68.31	96.649		
6,300.00	6,217.21	5,516.51	5,222.35	30.19	43.46	141.34	285.52	-5,799.45	6,630.87	6,561.17	69.70	95.135		
6,400.00	6,315.75	5,597.34	5,297.17	30.68	44.16	141.67	315.25	-5,806.52	6,659.31	6,588.59	70.72	94.164		
6,500.00	6,414.29	6,153.22	5,822.01	31.16	48.04	143.65	492.88	-5,842.55	6,686.45	6,611.22	75.23	88.882		
6,582.51	6,495.60	6,311.25	5,976.24	31.57	48.73	144.06	526.31	-5,849.94	6,705.22	6,628.92	76.30	87.880		
6,600.00	6,512.86	6,345.00	6,009.44	31.65	48.85	136.56	532.24	-5,851.40	6,708.75	6,632.24	76.51	87.687		
6,650.00	6,562.39	6,431.70	6,094.86	31.88	49.16	106.22	546.62	-5,854.93	6,716.06	6,639.02	77.04	87.173		
6,700.00	6,611.96	6,898.66	6,559.55	32.08	50.47	74.18	587.92	-5,866.12	6,718.75	6,639.98	78.77	85.297		
6,750.00	6,661.26	6,951.23	6,612.10	32.27	50.60	53.61	589.54	-5,866.23	6,715.28	6,636.20	79.08	84.922		
6,800.00	6,709.99	7,003.09	6,663.94	32.44	50.72	42.54	590.58	-5,866.42	6,708.00	6,628.64	79.36	84.526		
6,850.00	6,757.84	7,054.88	6,715.73	32.61	50.85	36.27	591.35	-5,866.64	6,696.94	6,617.31	79.63	84.104		
6,900.00	6,804.53	7,105.45	6,766.29	32.77	50.97	32.50	592.01	-5,866.84	6,682.18	6,602.31	79.87	83.660		
6,950.00	6,849.77	7,146.87	6,807.71	32.92	51.07	30.17	592.55	-5,867.01	6,663.84	6,583.76	80.08	83.217		
7,000.00	6,893.27	7,187.47	6,848.30	33.07	51.17	28.77	593.09	-5,867.19	6,642.06	6,561.80	80.26	82.753		
7,050.00	6,934.77	7,227.96	6,888.79	33.23	51.27	28.06	593.67	-5,867.38	6,616.96	6,536.53	80.43	82.265		
7,100.00	6,974.01	7,267.05	6,927.87	33.39	51.36	27.88	594.25	-5,867.56	6,588.69	6,508.11	80.59	81.758		
7,150.00	7,010.75	7,303.65	6,964.47	33.55	51.45	28.18	594.83	-5,867.72	6,557.43	6,476.71	80.72	81.235		
7,200.00	7,044.77	7,326.58	6,987.39	33.72	51.51	28.90	595.18	-5,867.85	6,523.41	6,442.60	80.81	80.728		
7,250.00	7,075.85	7,350.00	7,010.81	33.92	51.57	30.11	595.52	-5,868.01	6,486.84	6,405.95	80.89	80.198		
7,300.00	7,103.80	7,350.00	7,010.81	34.13	51.57	31.75	595.52	-5,868.01	6,447.97	6,367.08	80.89	79.713		
7,350.00	7,128.45	7,350.00	7,010.81	34.38	51.57	34.05	595.52	-5,868.01	6,407.08	6,326.19	80.89	79.208		
7,400.00	7,149.65	7,350.00	7,010.81	34.67	51.57	37.18	595.52	-5,868.01	6,364.37	6,283.48	80.89	78.684		
7,450.00	7,167.26	7,350.00	7,010.81	35.00	51.57	41.46	595.52	-5,868.01	6,320.07	6,239.19	80.88	78.141		
7,500.00	7,181.19	7,350.00	7,010.81	35.38	51.57	47.32	595.52	-5,868.01	6,274.43	6,193.55	80.88	77.579		
7,550.00	7,191.34	7,350.00	7,010.81	35.81	51.57	55.42	595.52	-5,868.01	6,227.70	6,146.82	80.88	76.999		
7,600.00	7,197.65	7,350.00	7,010.81	36.28	51.57	66.50	595.52	-5,868.01	6,180.14	6,099.26	80.89	76.404		
7,650.00	7,200.08	7,350.00	7,010.81	36.80	51.57	80.97	595.52	-5,868.01	6,132.04	6,051.14	80.90	75.793		
7,667.87	7,200.00	7,350.00	7,010.81	36.99	51.57	86.84	595.52	-5,868.01	6,114.78	6,033.86	80.91	75.572		
7,700.00	7,199.42	7,350.00	7,010.81	37.35	51.57	86.84	595.52	-5,868.01	6,083.71	6,002.78	80.93	75.172		
7,800.00	7,197.60	7,350.00	7,010.81	38.62	51.57	86.84	595.52	-5,868.01	5,987.10	5,906.11	81.00	73.918		
7,900.00	7,195.78	7,350.00	7,010.81	40.06	51.57	86.84	595.52	-5,868.01	5,890.60	5,809.52	81.09	72.647		
8,000.00	7,193.97	7,350.00	7,010.81	41.66	51.57	86.84	595.52	-5,868.01	5,794.22	5,713.02	81.20	71.358		
8,100.00	7,192.15	7,350.00	7,010.81	43.40	51.57	86.84	595.52	-5,868.01	5,697.97	5,616.63	81.34	70.051		
8,200.00	7,190.33	7,350.00	7,010.81	45.25	51.57	86.84	595.52	-5,868.01	5,601.85	5,520.34	81.51	68.725		
8,300.00	7,188.51	7,350.00	7,010.81	47.20	51.57	86.84	595.52	-5,868.01	5,505.86	5,424.15	81.71	67.382		
8,400.00	7,186.70	7,350.00	7,010.81	49.25	51.57	86.84	595.52	-5,868.01	5,410.02	5,328.08	81.95	66.020		
8,500.00	7,184.88	7,350.00	7,010.81	51.37	51.57	86.84	595.52	-5,868.01	5,314.34	5,232.12	82.22	64.639		
8,600.00	7,183.06	7,350.00	7,010.81	53.56	51.57	86.84	595.52	-5,868.01	5,218.81	5,136.29	82.52	63.241		
8,700.00	7,181.24	7,350.00	7,010.81	55.81	51.57	86.84	595.52	-5,868.01	5,123.46	5,040.59	82.87	61.825		
8,800.00	7,179.43	7,350.00	7,010.81	58.11	51.57	86.84	595.52	-5,868.01	5,028.28	4,945.02	83.26	60.391		
8,900.00	7,177.61	7,350.00	7,010.81	60.46	51.57	86.84	595.52	-5,868.01	4,933.30	4,849.60	83.70	58.941		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	7,350.00	7,010.81	62.85	51.57	86.84	595.52	-5,868.01	4,838.52	4,754.34	84.19	57.475		
9,100.00	7,173.98	7,350.00	7,010.81	65.28	51.57	86.84	595.52	-5,868.01	4,743.96	4,659.23	84.72	55.993		
9,200.00	7,172.16	7,350.00	7,010.81	67.74	51.57	86.84	595.52	-5,868.01	4,649.62	4,564.30	85.32	54.498		
9,300.00	7,170.34	7,350.00	7,010.81	70.23	51.57	86.84	595.52	-5,868.01	4,555.52	4,469.55	85.97	52.991		
9,400.00	7,168.52	7,350.00	7,010.81	72.74	51.57	86.84	595.52	-5,868.01	4,461.68	4,375.00	86.68	51.473		
9,500.00	7,166.71	7,350.00	7,010.81	75.28	51.57	86.84	595.52	-5,868.01	4,368.12	4,280.66	87.46	49.945		
9,600.00	7,164.89	7,350.00	7,010.81	77.84	51.57	86.84	595.52	-5,868.01	4,274.84	4,186.53	88.31	48.409		
9,700.00	7,163.07	7,350.00	7,010.81	80.43	51.57	86.84	595.52	-5,868.01	4,181.88	4,092.65	89.23	46.869		
9,800.00	7,161.26	7,350.00	7,010.81	83.02	51.57	86.84	595.52	-5,868.01	4,089.24	3,999.02	90.22	45.324		
9,900.00	7,159.44	7,350.00	7,010.81	85.64	51.57	86.84	595.52	-5,868.01	3,996.97	3,905.67	91.30	43.778		
10,000.00	7,157.62	7,350.00	7,010.81	88.27	51.57	86.84	595.52	-5,868.01	3,905.07	3,812.61	92.46	42.234		
10,100.00	7,155.80	7,350.00	7,010.81	90.91	51.57	86.84	595.52	-5,868.01	3,813.58	3,719.86	93.72	40.693		
10,200.00	7,153.99	7,350.00	7,010.81	93.56	51.57	86.84	595.52	-5,868.01	3,722.53	3,627.46	95.06	39.158		
10,300.00	7,152.17	7,350.00	7,010.81	96.23	51.57	86.84	595.52	-5,868.01	3,631.95	3,535.43	96.51	37.632		
10,400.00	7,150.35	7,350.00	7,010.81	98.90	51.57	86.84	595.52	-5,868.01	3,541.87	3,443.81	98.07	36.117		
10,500.00	7,148.54	7,350.00	7,010.81	101.59	51.57	86.84	595.52	-5,868.01	3,452.35	3,352.61	99.73	34.616		
10,600.00	7,146.72	7,350.00	7,010.81	104.28	51.57	86.84	595.52	-5,868.01	3,363.41	3,261.89	101.52	33.132		
10,700.00	7,144.90	7,350.00	7,010.81	106.98	51.57	86.84	595.52	-5,868.01	3,275.11	3,171.69	103.42	31.667		
10,800.00	7,143.08	7,350.00	7,010.81	109.69	51.57	86.84	595.52	-5,868.01	3,187.50	3,082.04	105.46	30.225		
10,900.00	7,141.27	7,350.00	7,010.81	112.41	51.57	86.84	595.52	-5,868.01	3,100.65	2,993.01	107.63	28.807		
11,000.00	7,139.45	7,350.00	7,010.81	115.13	51.57	86.84	595.52	-5,868.01	3,014.60	2,904.65	109.95	27.417		
11,100.00	7,137.63	7,350.00	7,010.81	117.86	51.57	86.84	595.52	-5,868.01	2,929.45	2,817.02	112.43	26.056		
11,200.00	7,135.82	7,350.00	7,010.81	120.59	51.57	86.84	595.52	-5,868.01	2,845.26	2,730.20	115.06	24.728		
11,300.00	7,134.00	7,350.00	7,010.81	123.33	51.57	86.84	595.52	-5,868.01	2,762.12	2,644.26	117.86	23.435		
11,400.00	7,132.18	7,350.00	7,010.81	126.07	51.57	86.84	595.52	-5,868.01	2,680.14	2,559.30	120.84	22.179		
11,500.00	7,130.36	7,350.00	7,010.81	128.82	51.57	86.84	595.52	-5,868.01	2,599.41	2,475.41	124.01	20.962		
11,600.00	7,128.55	7,350.00	7,010.81	131.57	51.57	86.84	595.52	-5,868.01	2,520.08	2,392.71	127.36	19.787		
11,700.00	7,126.73	7,350.00	7,010.81	134.33	51.57	86.84	595.52	-5,868.01	2,442.26	2,311.34	130.92	18.655		
11,800.00	7,124.91	7,350.00	7,010.81	137.09	51.57	86.84	595.52	-5,868.01	2,366.10	2,231.42	134.68	17.568		
11,900.00	7,123.10	7,350.00	7,010.81	139.85	51.57	86.84	595.52	-5,868.01	2,291.78	2,153.13	138.66	16.529		
12,000.00	7,121.28	7,350.00	7,010.81	142.62	51.57	86.84	595.52	-5,868.01	2,219.48	2,076.64	142.84	15.538		
12,100.00	7,119.46	7,350.00	7,010.81	145.39	51.57	86.84	595.52	-5,868.01	2,149.40	2,002.15	147.25	14.597		
12,200.00	7,117.64	7,350.00	7,010.81	148.16	51.57	86.84	595.52	-5,868.01	2,081.76	1,929.90	151.86	13.708		
12,300.00	7,115.83	7,350.00	7,010.81	150.94	51.57	86.84	595.52	-5,868.01	2,016.82	1,860.14	156.68	12.872		
12,400.00	7,114.01	7,350.00	7,010.81	153.72	51.57	86.84	595.52	-5,868.01	1,954.84	1,793.14	161.70	12.090		
12,500.00	7,112.19	7,350.00	7,010.81	156.50	51.57	86.84	595.52	-5,868.01	1,896.11	1,729.22	166.88	11.362		
12,600.00	7,110.37	7,350.00	7,010.81	159.28	51.57	86.84	595.52	-5,868.01	1,840.94	1,668.72	172.22	10.690		
12,700.00	7,108.56	7,350.00	7,010.81	162.07	51.57	86.84	595.52	-5,868.01	1,789.66	1,611.99	177.67	10.073		
12,800.00	7,106.74	7,350.00	7,010.81	164.86	51.57	86.84	595.52	-5,868.01	1,742.61	1,559.43	183.18	9.513		
12,900.00	7,104.92	7,350.00	7,010.81	167.65	51.57	86.84	595.52	-5,868.01	1,700.15	1,511.44	188.72	9.009		
13,000.00	7,103.11	7,350.00	7,010.81	170.44	51.57	86.84	595.52	-5,868.01	1,662.63	1,468.43	194.21	8.561		
13,100.00	7,101.29	7,350.00	7,010.81	173.23	51.57	86.84	595.52	-5,868.01	1,630.39	1,430.82	199.57	8.169		
13,200.00	7,099.47	7,350.00	7,010.81	176.03	51.57	86.84	595.52	-5,868.01	1,603.75	1,399.00	204.74	7.833		
13,300.00	7,097.65	7,350.00	7,010.81	178.82	51.57	86.84	595.52	-5,868.01	1,582.98	1,373.35	209.63	7.551		
13,400.00	7,095.84	7,350.00	7,010.81	181.62	51.57	86.84	595.52	-5,868.01	1,568.33	1,354.19	214.14	7.324		
13,500.00	7,094.02	7,350.00	7,010.81	184.42	51.57	86.84	595.52	-5,868.01	1,559.96	1,341.77	218.19	7.149		
13,580.87	7,092.55	7,350.00	7,010.81	186.69	51.57	86.84	595.52	-5,868.01	1,557.87	1,336.78	221.09	7.046 CC		
13,600.00	7,092.20	7,350.00	7,010.81	187.22	51.57	86.84	595.52	-5,868.01	1,557.98	1,336.27	221.72	7.027 ES		
13,700.00	7,090.39	7,350.00	7,010.81	190.03	51.57	86.84	595.52	-5,868.01	1,562.41	1,337.77	224.65	6.955		
13,800.00	7,088.57	7,350.00	7,010.81	192.83	51.57	86.84	595.52	-5,868.01	1,573.20	1,346.26	226.94	6.932 SF		
13,900.00	7,086.75	7,350.00	7,010.81	195.64	51.57	86.84	595.52	-5,868.01	1,590.22	1,361.64	228.58	6.957		
14,000.00	7,084.93	7,350.00	7,010.81	198.44	51.57	86.84	595.52	-5,868.01	1,613.26	1,383.70	229.56	7.028		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #6-21D - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	7,083.12	7,350.00	7,010.81	201.25	51.57	86.84	595.52	-5,868.01	1,642.09	1,412.16	229.93	7.142	
14,200.00	7,081.30	7,350.00	7,010.81	204.06	51.57	86.84	595.52	-5,868.01	1,676.39	1,446.67	229.72	7.298	
14,300.00	7,079.48	7,350.00	7,010.81	206.87	51.57	86.84	595.52	-5,868.01	1,715.84	1,486.85	228.99	7.493	
14,400.00	7,077.67	7,350.00	7,010.81	209.68	51.57	86.84	595.52	-5,868.01	1,760.09	1,532.28	227.81	7.726	
14,500.00	7,075.85	7,350.00	7,010.81	212.49	51.57	86.84	595.52	-5,868.01	1,808.80	1,582.55	226.25	7.995	
14,600.00	7,074.03	7,350.00	7,010.81	215.31	51.57	86.84	595.52	-5,868.01	1,861.61	1,637.23	224.38	8.297	
14,700.00	7,072.21	7,350.00	7,010.81	218.12	51.57	86.84	595.52	-5,868.01	1,918.18	1,695.91	222.26	8.630	
14,800.00	7,070.40	7,350.00	7,010.81	220.93	51.57	86.84	595.52	-5,868.01	1,978.19	1,758.23	219.96	8.993	
14,900.00	7,068.58	7,350.00	7,010.81	223.75	51.57	86.84	595.52	-5,868.01	2,041.34	1,823.81	217.53	9.384	
15,000.00	7,066.76	7,350.00	7,010.81	226.57	51.57	86.84	595.52	-5,868.01	2,107.34	1,892.33	215.01	9.801	
15,100.00	7,064.95	7,350.00	7,010.81	229.38	51.57	86.84	595.52	-5,868.01	2,175.94	1,963.50	212.43	10.243	
15,200.00	7,063.13	7,350.00	7,010.81	232.20	51.57	86.84	595.52	-5,868.01	2,246.89	2,037.05	209.84	10.708	
15,300.00	7,061.31	7,350.00	7,010.81	235.02	51.57	86.84	595.52	-5,868.01	2,319.99	2,112.74	207.25	11.194	
15,400.00	7,059.49	7,350.00	7,010.81	237.84	51.57	86.84	595.52	-5,868.01	2,395.03	2,190.34	204.69	11.701	
15,500.00	7,057.68	7,350.00	7,010.81	240.66	51.57	86.84	595.52	-5,868.01	2,471.84	2,269.67	202.17	12.226	
15,600.00	7,055.86	7,350.00	7,010.81	243.48	51.57	86.84	595.52	-5,868.01	2,550.26	2,350.56	199.71	12.770	
15,647.29	7,055.00	7,350.00	7,010.81	244.81	51.57	86.84	595.52	-5,868.01	2,587.87	2,389.31	198.56	13.033	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-102.90	-1,246.76	-5,441.95	5,582.95					
100.00	100.00	53.16	53.16	3.28	3.28	-102.90	-1,246.59	-5,442.24	5,583.42	5,576.85	6.57	850.189		
200.00	200.00	108.12	108.11	3.34	3.29	-102.89	-1,246.05	-5,443.14	5,584.76	5,578.13	6.63	842.442		
300.00	300.00	205.75	205.71	3.44	3.36	-102.87	-1,244.60	-5,445.21	5,586.50	5,579.70	6.80	821.638		
400.00	399.98	310.06	309.98	3.60	3.48	121.12	-1,243.14	-5,447.41	5,589.15	5,582.08	7.07	790.341		
500.00	499.84	440.76	440.65	3.79	3.70	121.13	-1,241.40	-5,449.63	5,593.20	5,585.72	7.48	747.277		
600.00	599.45	542.19	542.06	4.03	3.92	121.13	-1,239.63	-5,451.13	5,598.79	5,590.85	7.94	705.242		
700.00	698.70	633.58	633.41	4.30	4.15	121.12	-1,237.60	-5,452.69	5,606.30	5,597.86	8.44	664.289		
790.00	787.61	728.62	728.41	4.57	4.42	121.13	-1,235.57	-5,454.35	5,614.69	5,605.72	8.98	625.485		
800.00	797.47	742.92	742.71	4.60	4.46	121.16	-1,235.25	-5,454.58	5,615.69	5,606.64	9.05	620.451		
900.00	896.01	836.48	836.22	4.94	4.74	121.32	-1,232.85	-5,455.97	5,625.54	5,615.87	9.67	581.949		
1,000.00	994.55	900.00	899.70	5.30	4.94	121.44	-1,230.81	-5,457.37	5,635.98	5,625.75	10.23	551.168		
1,100.00	1,093.09	1,008.61	1,008.21	5.68	5.31	121.64	-1,227.13	-5,460.05	5,646.70	5,635.73	10.96	515.006		
1,200.00	1,191.63	1,097.30	1,096.83	6.08	5.62	121.81	-1,224.25	-5,462.17	5,657.43	5,645.77	11.66	485.153		
1,300.00	1,290.17	1,214.82	1,214.26	6.49	6.04	122.02	-1,220.54	-5,464.82	5,668.12	5,655.64	12.48	454.045		
1,400.00	1,388.71	1,278.10	1,277.49	6.91	6.27	122.14	-1,218.72	-5,466.36	5,679.04	5,665.92	13.12	432.723		
1,500.00	1,487.25	1,382.25	1,381.57	7.34	6.65	122.32	-1,215.95	-5,469.11	5,690.30	5,676.37	13.93	408.487		
1,600.00	1,585.79	1,487.23	1,486.49	7.77	7.05	122.51	-1,213.11	-5,471.64	5,701.38	5,686.62	14.75	386.438		
1,700.00	1,684.34	1,617.58	1,616.76	8.22	7.55	122.73	-1,209.67	-5,474.37	5,712.22	5,696.53	15.69	364.096		
1,800.00	1,782.88	1,700.00	1,699.14	8.66	7.87	122.88	-1,207.58	-5,475.85	5,722.87	5,706.42	16.44	348.005		
1,900.00	1,881.42	1,748.58	1,747.69	9.12	8.06	122.96	-1,206.35	-5,476.99	5,734.13	5,717.05	17.07	335.883		
2,000.00	1,979.96	1,800.00	1,799.06	9.57	8.26	123.05	-1,205.00	-5,478.81	5,746.41	5,728.70	17.71	324.421		
2,100.00	2,078.50	1,800.00	1,799.06	10.03	8.26	123.05	-1,205.00	-5,478.81	5,759.88	5,741.73	18.14	317.467		
2,200.00	2,177.04	1,858.45	1,857.38	10.49	8.50	123.16	-1,202.86	-5,481.92	5,774.17	5,755.34	18.82	306.795		
2,300.00	2,275.58	1,900.00	1,898.77	10.95	8.68	123.25	-1,200.66	-5,484.96	5,789.79	5,770.36	19.43	298.033		
2,400.00	2,374.12	2,009.63	2,007.88	11.42	9.15	123.48	-1,194.28	-5,493.52	5,806.01	5,785.67	20.34	285.415		
2,500.00	2,472.66	2,140.28	2,137.84	11.89	9.73	123.77	-1,184.77	-5,502.83	5,821.32	5,799.95	21.37	272.445		
2,600.00	2,571.20	2,200.00	2,197.17	12.36	10.00	123.91	-1,179.69	-5,507.31	5,837.01	5,814.94	22.07	264.438		
2,700.00	2,669.74	2,252.53	2,249.33	12.83	10.24	124.04	-1,175.13	-5,511.63	5,853.46	5,830.71	22.75	257.330		
2,800.00	2,768.28	2,300.00	2,296.43	13.30	10.46	124.15	-1,171.09	-5,515.93	5,870.78	5,847.39	23.40	250.939		
2,900.00	2,866.83	2,357.94	2,353.86	13.78	10.74	124.29	-1,165.93	-5,521.64	5,888.90	5,864.80	24.10	244.381		
3,000.00	2,965.37	2,498.99	2,493.41	14.25	11.42	124.64	-1,151.57	-5,536.20	5,907.55	5,882.33	25.22	234.227		
3,100.00	3,063.91	2,577.21	2,570.71	14.73	11.81	124.85	-1,142.44	-5,543.95	5,925.57	5,899.53	26.04	227.525		
3,200.00	3,162.45	2,646.52	2,639.04	15.20	12.16	125.04	-1,133.35	-5,551.18	5,944.04	5,917.21	26.83	221.585		
3,300.00	3,260.99	2,700.00	2,691.74	15.68	12.44	125.19	-1,126.35	-5,556.99	5,963.09	5,935.56	27.52	216.658		
3,400.00	3,359.53	2,767.10	2,757.85	16.16	12.79	125.37	-1,117.77	-5,564.63	5,982.78	5,954.49	28.29	211.473		
3,500.00	3,458.07	2,826.46	2,816.32	16.64	13.10	125.53	-1,110.42	-5,571.77	6,003.20	5,974.18	29.02	206.898		
3,600.00	3,556.61	2,889.97	2,878.84	17.12	13.43	125.70	-1,102.57	-5,579.75	6,024.23	5,994.47	29.76	202.424		
3,700.00	3,655.15	2,942.17	2,930.18	17.60	13.72	125.84	-1,096.10	-5,586.60	6,045.93	6,015.49	30.44	198.599		
3,800.00	3,753.69	3,000.00	2,986.99	18.08	14.03	125.99	-1,088.94	-5,594.65	6,068.44	6,037.28	31.15	194.783		
3,900.00	3,852.23	3,045.75	3,031.91	18.56	14.29	126.11	-1,083.32	-5,601.33	6,091.69	6,059.90	31.80	191.583		
4,000.00	3,950.77	3,100.10	3,085.23	19.04	14.59	126.26	-1,076.79	-5,609.56	6,115.68	6,083.19	32.48	188.262		
4,100.00	4,049.31	3,226.90	3,209.53	19.52	15.32	126.60	-1,060.72	-5,628.78	6,139.68	6,106.08	33.60	182.712		
4,200.00	4,147.86	3,304.33	3,285.36	20.00	15.76	126.81	-1,050.42	-5,640.53	6,163.82	6,129.38	34.44	178.995		
4,300.00	4,246.40	3,460.02	3,437.78	20.49	16.67	127.23	-1,028.79	-5,663.81	6,187.90	6,152.15	35.74	173.118		
4,400.00	4,344.94	3,567.08	3,542.80	20.97	17.28	127.52	-1,014.45	-5,678.82	6,211.16	6,174.40	36.75	168.998		
4,500.00	4,443.48	3,699.34	3,672.43	21.45	18.03	127.88	-995.76	-5,697.25	6,234.49	6,196.57	37.92	164.425		
4,600.00	4,542.02	3,782.25	3,753.64	21.94	18.51	128.10	-983.41	-5,708.55	6,257.57	6,218.78	38.79	161.315		
4,700.00	4,640.56	3,850.42	3,820.37	22.42	18.90	128.29	-973.21	-5,718.01	6,281.01	6,241.43	39.58	158.709		
4,800.00	4,739.10	3,937.19	3,905.27	22.91	19.41	128.53	-960.31	-5,730.42	6,304.96	6,264.49	40.47	155.788		
4,900.00	4,837.64	4,034.99	4,001.15	23.39	19.97	128.78	-946.68	-5,744.04	6,328.73	6,287.30	41.43	152.759		
5,000.00	4,936.18	4,100.00	4,064.82	23.87	20.34	128.95	-937.43	-5,753.42	6,353.05	6,310.87	42.18	150.601		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	4,150.44	4,114.18	24.36	20.64	129.08	-930.35	-5,760.97	6,377.99	6,335.14	42.85	148.854		
5,200.00	5,133.26	4,219.15	4,181.49	24.84	21.04	129.25	-921.47	-5,771.56	6,403.52	6,359.90	43.62	146.807		
5,300.00	5,231.80	4,318.79	4,279.19	25.33	21.62	129.49	-909.41	-5,786.90	6,429.18	6,384.61	44.57	144.239		
5,400.00	5,330.34	4,389.79	4,348.74	25.82	22.04	129.67	-900.32	-5,797.97	6,455.10	6,409.75	45.35	142.327		
5,500.00	5,428.89	4,430.96	4,486.95	26.30	22.88	130.02	-881.28	-5,819.51	6,480.73	6,434.15	46.58	139.132		
5,600.00	5,527.43	4,600.00	4,554.55	26.79	23.28	130.19	-872.08	-5,830.09	6,506.58	6,459.23	47.35	137.413		
5,700.00	5,625.97	4,782.51	4,733.34	27.27	24.35	130.64	-847.07	-5,856.86	6,531.88	6,483.04	48.83	133.759		
5,800.00	5,724.51	4,902.55	4,850.91	27.76	25.04	130.94	-829.44	-5,873.49	6,556.56	6,506.63	49.93	131.323		
5,900.00	5,823.05	4,987.67	4,934.40	28.24	25.52	131.15	-817.68	-5,885.17	6,581.23	6,530.44	50.79	129.568		
6,000.00	5,921.59	5,840.79	5,780.94	28.73	29.28	132.69	-752.38	-5,953.32	6,600.50	6,545.03	55.47	118.986		
6,100.00	6,020.13	6,023.50	5,963.62	29.22	29.94	132.91	-750.11	-5,955.98	6,613.51	6,556.85	56.66	116.720		
6,200.00	6,118.67	6,117.40	6,057.51	29.70	30.28	133.02	-749.00	-5,956.93	6,626.19	6,568.70	57.49	115.264		
6,300.00	6,217.21	6,237.88	6,177.98	30.19	30.72	133.17	-747.29	-5,957.85	6,638.66	6,580.24	58.42	113.634		
6,400.00	6,315.75	6,327.97	6,268.05	30.68	31.05	133.27	-745.91	-5,958.47	6,651.09	6,591.85	59.23	112.286		
6,500.00	6,414.29	6,407.84	6,347.92	31.16	31.35	133.37	-744.70	-5,959.22	6,663.79	6,603.78	60.00	111.054		
6,582.51	6,495.60	6,490.72	6,430.78	31.57	31.65	133.47	-743.61	-5,960.09	6,674.37	6,613.66	60.71	109.934		
6,600.00	6,512.86	6,510.54	6,450.60	31.65	31.73	125.97	-743.39	-5,960.29	6,676.38	6,615.51	60.87	109.681		
6,650.00	6,562.39	6,574.60	6,514.66	31.88	31.96	95.64	-742.83	-5,960.86	6,679.41	6,618.06	61.35	108.879		
6,700.00	6,611.96	6,624.04	6,564.09	32.08	32.15	62.85	-742.53	-5,961.22	6,678.44	6,616.69	61.75	108.160		
6,750.00	6,661.26	6,663.62	6,603.67	32.27	32.29	42.19	-742.21	-5,961.55	6,673.62	6,611.54	62.08	107.496		
6,800.00	6,709.99	6,704.07	6,644.12	32.44	32.44	30.96	-741.78	-5,961.95	6,664.99	6,602.59	62.40	106.803		
6,850.00	6,757.84	6,760.89	6,700.93	32.61	32.66	24.47	-741.11	-5,962.51	6,652.53	6,589.75	62.78	105.968		
6,900.00	6,804.53	6,816.31	6,756.34	32.77	32.86	20.40	-740.41	-5,962.98	6,636.25	6,573.12	63.13	105.117		
6,950.00	6,849.77	6,845.80	6,785.82	32.92	32.97	17.65	-739.95	-5,963.27	6,616.38	6,553.01	63.36	104.420		
7,000.00	6,893.27	6,879.63	6,819.65	33.07	33.10	15.73	-739.34	-5,963.64	6,593.03	6,529.43	63.60	103.668		
7,050.00	6,934.77	6,914.28	6,854.28	33.23	33.23	14.37	-738.62	-5,964.06	6,566.36	6,502.54	63.82	102.885		
7,100.00	6,974.01	6,950.82	6,890.82	33.39	33.37	13.40	-737.84	-5,964.53	6,536.49	6,472.44	64.04	102.066		
7,150.00	7,010.75	6,985.12	6,925.10	33.55	33.50	12.72	-737.10	-5,964.99	6,503.58	6,439.34	64.24	101.239		
7,200.00	7,044.77	7,013.40	6,953.38	33.72	33.60	12.27	-736.50	-5,965.38	6,467.86	6,403.46	64.40	100.431		
7,250.00	7,075.85	7,036.53	6,976.49	33.92	33.69	12.03	-736.03	-5,965.73	6,429.55	6,365.02	64.53	99.635		
7,300.00	7,103.80	7,057.47	6,997.43	34.13	33.77	11.98	-735.63	-5,966.08	6,388.88	6,324.24	64.64	98.835		
7,350.00	7,128.45	7,076.10	7,016.05	34.38	33.84	12.17	-735.29	-5,966.40	6,346.10	6,281.36	64.74	98.031		
7,400.00	7,149.65	7,092.29	7,032.24	34.67	33.90	12.63	-735.01	-5,966.70	6,301.44	6,236.63	64.81	97.226		
7,450.00	7,167.26	7,106.63	7,046.58	35.00	33.96	13.50	-734.78	-5,966.98	6,255.19	6,190.31	64.88	96.417		
7,500.00	7,181.19	7,118.92	7,058.86	35.38	34.01	15.06	-734.58	-5,967.23	6,207.61	6,142.68	64.93	95.608		
7,550.00	7,191.34	7,128.13	7,068.07	35.81	34.04	18.05	-734.43	-5,967.41	6,158.98	6,094.02	64.96	94.805		
7,600.00	7,197.65	7,134.19	7,074.13	36.28	34.06	25.10	-734.34	-5,967.54	6,109.61	6,044.63	64.99	94.012		
7,650.00	7,200.08	7,137.05	7,076.99	36.80	34.07	53.32	-734.29	-5,967.60	6,059.80	5,994.80	65.00	93.229		
7,667.87	7,200.00	7,137.29	7,077.23	36.99	34.08	85.72	-734.29	-5,967.60	6,041.95	5,976.95	65.00	92.952		
7,700.00	7,199.42	7,137.35	7,077.29	37.35	34.08	85.73	-734.29	-5,967.60	6,009.84	5,944.84	65.00	92.456		
7,800.00	7,197.60	7,137.54	7,077.47	38.62	34.08	85.78	-734.28	-5,967.61	5,909.91	5,844.91	65.01	90.913		
7,900.00	7,195.78	7,137.73	7,077.66	40.06	34.08	85.83	-734.28	-5,967.61	5,809.99	5,744.98	65.01	89.367		
8,000.00	7,193.97	7,137.91	7,077.85	41.66	34.08	85.87	-734.28	-5,967.61	5,710.07	5,645.05	65.02	87.820		
8,100.00	7,192.15	7,138.10	7,078.04	43.40	34.08	85.92	-734.27	-5,967.62	5,610.15	5,545.12	65.03	86.270		
8,200.00	7,190.33	7,138.29	7,078.23	45.25	34.08	85.97	-734.27	-5,967.62	5,510.23	5,445.19	65.04	84.719		
8,300.00	7,188.51	7,138.48	7,078.42	47.20	34.08	86.02	-734.27	-5,967.62	5,410.32	5,345.27	65.05	83.166		
8,400.00	7,186.70	7,138.68	7,078.61	49.25	34.08	86.07	-734.27	-5,967.63	5,310.41	5,245.34	65.07	81.611		
8,500.00	7,184.88	7,138.87	7,078.80	51.37	34.08	86.11	-734.26	-5,967.63	5,210.51	5,145.42	65.09	80.055		
8,600.00	7,183.06	7,139.06	7,079.00	53.56	34.08	86.16	-734.26	-5,967.64	5,110.61	5,045.50	65.11	78.497		
8,700.00	7,181.24	7,139.26	7,079.19	55.81	34.08	86.21	-734.26	-5,967.64	5,010.71	4,945.58	65.13	76.937		
8,800.00	7,179.43	7,139.46	7,079.39	58.11	34.08	86.26	-734.25	-5,967.65	4,910.81	4,845.66	65.15	75.376		
8,900.00	7,177.61	7,139.65	7,079.59	60.46	34.08	86.31	-734.25	-5,967.65	4,810.92	4,745.75	65.18	73.813		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	7,139.85	7,079.79	62.85	34.08	86.36	-734.25	-5,967.65	4,711.04	4,645.83	65.21	72.249		
9,100.00	7,173.98	7,140.05	7,079.99	65.28	34.09	86.41	-734.24	-5,967.66	4,611.16	4,545.92	65.24	70.683		
9,200.00	7,172.16	7,140.25	7,080.19	67.74	34.09	86.46	-734.24	-5,967.66	4,511.28	4,446.01	65.27	69.115		
9,300.00	7,170.34	7,140.46	7,080.39	70.23	34.09	86.51	-734.24	-5,967.67	4,411.42	4,346.11	65.31	67.547		
9,400.00	7,168.52	7,140.66	7,080.60	72.74	34.09	86.56	-734.23	-5,967.67	4,311.55	4,246.20	65.35	65.976		
9,500.00	7,166.71	7,140.87	7,080.80	75.28	34.09	86.61	-734.23	-5,967.67	4,211.70	4,146.30	65.39	64.404		
9,600.00	7,164.89	7,141.07	7,081.01	77.84	34.09	86.67	-734.23	-5,967.68	4,111.85	4,046.40	65.44	62.831		
9,700.00	7,163.07	7,141.28	7,081.21	80.43	34.09	86.72	-734.22	-5,967.68	4,012.01	3,946.51	65.50	61.256		
9,800.00	7,161.26	7,141.49	7,081.42	83.02	34.09	86.77	-734.22	-5,967.69	3,912.17	3,846.62	65.55	59.680		
9,900.00	7,159.44	7,141.70	7,081.63	85.64	34.09	86.82	-734.22	-5,967.69	3,812.35	3,746.73	65.62	58.102		
10,000.00	7,157.62	7,141.91	7,081.84	88.27	34.09	86.88	-734.21	-5,967.70	3,712.53	3,646.85	65.68	56.522		
10,100.00	7,155.80	7,142.12	7,082.06	90.91	34.09	86.93	-734.21	-5,967.70	3,612.73	3,546.97	65.76	54.941		
10,200.00	7,153.99	7,142.34	7,082.27	93.56	34.09	86.98	-734.21	-5,967.71	3,512.93	3,447.09	65.84	53.357		
10,300.00	7,152.17	7,142.55	7,082.48	96.23	34.10	87.04	-734.20	-5,967.71	3,413.15	3,347.22	65.93	51.773		
10,400.00	7,150.35	7,142.77	7,082.70	98.90	34.10	87.09	-734.20	-5,967.71	3,313.38	3,247.36	66.02	50.186		
10,500.00	7,148.54	7,142.99	7,082.92	101.59	34.10	87.15	-734.20	-5,967.72	3,213.62	3,147.50	66.13	48.597		
10,600.00	7,146.72	7,143.20	7,083.14	104.28	34.10	87.20	-734.19	-5,967.72	3,113.89	3,047.64	66.24	47.006		
10,700.00	7,144.90	7,143.42	7,083.36	106.98	34.10	87.26	-734.19	-5,967.73	3,014.16	2,947.79	66.37	45.412		
10,800.00	7,143.08	7,143.65	7,083.58	109.69	34.10	87.31	-734.19	-5,967.73	2,914.46	2,847.95	66.52	43.816		
10,900.00	7,141.27	7,143.87	7,083.80	112.41	34.10	87.37	-734.18	-5,967.74	2,814.78	2,748.11	66.67	42.218		
11,000.00	7,139.45	7,144.09	7,084.03	115.13	34.10	87.42	-734.18	-5,967.74	2,715.12	2,648.27	66.85	40.616		
11,100.00	7,137.63	7,144.32	7,084.25	117.86	34.10	87.48	-734.18	-5,967.75	2,615.49	2,548.44	67.04	39.011		
11,200.00	7,135.82	7,144.55	7,084.48	120.59	34.10	87.54	-734.17	-5,967.75	2,515.88	2,448.62	67.26	37.403		
11,300.00	7,134.00	7,144.78	7,084.71	123.33	34.10	87.60	-734.17	-5,967.76	2,416.31	2,348.80	67.51	35.791		
11,400.00	7,132.18	7,145.01	7,084.94	126.07	34.10	87.65	-734.17	-5,967.76	2,316.78	2,248.99	67.79	34.175		
11,500.00	7,130.36	7,145.24	7,085.17	128.82	34.11	87.71	-734.16	-5,967.77	2,217.29	2,149.18	68.11	32.555		
11,600.00	7,128.55	7,145.47	7,085.40	131.57	34.11	87.77	-734.16	-5,967.77	2,117.84	2,049.37	68.47	30.930		
11,700.00	7,126.73	7,145.71	7,085.64	134.33	34.11	87.83	-734.16	-5,967.78	2,018.46	1,949.57	68.89	29.300		
11,800.00	7,124.91	7,145.94	7,085.88	137.09	34.11	87.89	-734.15	-5,967.78	1,919.13	1,849.76	69.37	27.664		
11,900.00	7,123.10	7,146.18	7,086.11	139.85	34.11	87.95	-734.15	-5,967.79	1,819.88	1,749.95	69.93	26.023		
12,000.00	7,121.28	7,146.42	7,086.35	142.62	34.11	88.01	-734.14	-5,967.79	1,720.71	1,650.12	70.59	24.377		
12,100.00	7,119.46	7,146.66	7,086.59	145.39	34.11	88.07	-734.14	-5,967.80	1,621.65	1,550.29	71.36	22.724		
12,200.00	7,117.64	7,146.90	7,086.84	148.16	34.11	88.13	-734.14	-5,967.80	1,522.71	1,450.43	72.28	21.066		
12,300.00	7,115.83	7,147.15	7,087.08	150.94	34.11	88.19	-734.13	-5,967.81	1,423.92	1,350.54	73.38	19.404		
12,400.00	7,114.01	7,147.39	7,087.32	153.72	34.11	88.25	-734.13	-5,967.81	1,325.31	1,250.59	74.72	17.738		
12,500.00	7,112.19	7,147.64	7,087.57	156.50	34.11	88.31	-734.13	-5,967.82	1,226.92	1,150.58	76.34	16.071		
12,600.00	7,110.37	7,147.89	7,087.82	159.28	34.12	88.38	-734.12	-5,967.82	1,128.82	1,050.47	78.35	14.407		
12,700.00	7,108.56	7,148.14	7,088.07	162.07	34.12	88.44	-734.12	-5,967.83	1,031.08	950.22	80.86	12.751		
12,800.00	7,106.74	7,148.39	7,088.32	164.86	34.12	88.50	-734.11	-5,967.83	933.83	849.78	84.04	11.111		
12,900.00	7,104.92	7,148.64	7,088.58	167.65	34.12	88.57	-734.11	-5,967.84	837.21	749.08	88.13	9.499		
13,000.00	7,103.11	7,148.90	7,088.83	170.44	34.12	88.63	-734.11	-5,967.84	741.50	648.01	93.49	7.931		
13,100.00	7,101.29	7,149.16	7,089.09	173.23	34.12	88.69	-734.10	-5,967.85	647.08	546.45	100.64	6.430		
13,200.00	7,099.47	7,149.42	7,089.35	176.03	34.12	88.76	-734.10	-5,967.85	554.63	444.24	110.39	5.024		
13,300.00	7,097.65	7,149.68	7,089.61	178.82	34.12	88.83	-734.09	-5,967.86	465.31	341.30	124.00	3.752		
13,400.00	7,095.84	7,149.94	7,089.87	181.62	34.12	88.89	-734.09	-5,967.86	381.32	238.04	143.29	2.661		
13,500.00	7,094.02	7,150.20	7,090.13	184.42	34.12	88.96	-734.09	-5,967.87	307.08	137.04	170.05	1.806		
13,600.00	7,092.20	7,150.47	7,090.40	187.22	34.13	89.02	-734.08	-5,967.88	251.39	49.41	201.98	1.245 Level 2		
13,700.00	7,090.39	7,150.74	7,090.67	190.03	34.13	89.09	-734.08	-5,967.88	228.23	5.76	222.47	1.026 Level 2		
13,705.52	7,090.29	7,150.75	7,090.68	190.18	34.13	89.09	-734.08	-5,967.88	228.17	5.41	222.75	1.024 Level 2, CC, ES, SF		
13,800.00	7,088.57	7,151.01	7,090.94	192.83	34.13	89.16	-734.07	-5,967.89	246.95	34.71	212.24	1.164 Level 2		
13,900.00	7,086.75	7,151.28	7,091.21	195.64	34.13	89.23	-734.07	-5,967.89	299.80	115.25	184.55	1.624		
14,000.00	7,084.93	7,151.55	7,091.48	198.44	34.13	89.30	-734.07	-5,967.90	372.53	213.99	158.54	2.350		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,083.12	7,151.83	7,091.76	201.25	34.13	89.36	-734.06	-5,967.90	455.71	316.76	138.95	3.280		
14,200.00	7,081.30	7,152.10	7,092.03	204.06	34.13	89.43	-734.06	-5,967.91	544.58	419.78	124.80	4.364		
14,300.00	7,079.48	7,152.38	7,092.31	206.87	34.13	89.50	-734.05	-5,967.92	636.76	522.28	114.48	5.562		
14,400.00	7,077.67	7,152.66	7,092.59	209.68	34.13	89.57	-734.05	-5,967.92	730.99	624.19	106.80	6.844		
14,500.00	7,075.85	7,152.95	7,092.88	212.49	34.13	89.65	-734.04	-5,967.93	826.59	725.63	100.96	8.188		
14,600.00	7,074.03	7,153.23	7,093.16	215.31	34.14	89.72	-734.04	-5,967.93	923.11	826.70	96.41	9.575		
14,700.00	7,072.21	7,153.52	7,093.45	218.12	34.14	89.79	-734.04	-5,967.94	1,020.31	927.49	92.82	10.992		
14,800.00	7,070.40	7,153.81	7,093.74	220.93	34.14	89.86	-734.03	-5,967.95	1,118.00	1,028.07	89.93	12.432		
14,900.00	7,068.58	7,154.10	7,094.03	223.75	34.14	89.93	-734.03	-5,967.95	1,216.07	1,128.49	87.58	13.886		
15,000.00	7,066.76	7,154.39	7,094.32	226.57	34.14	90.01	-734.02	-5,967.96	1,314.43	1,228.79	85.64	15.349		
15,100.00	7,064.95	7,154.68	7,094.61	229.38	34.14	90.08	-734.02	-5,967.97	1,413.01	1,328.99	84.02	16.818		
15,200.00	7,063.13	7,154.98	7,094.91	232.20	34.14	90.16	-734.01	-5,967.97	1,511.79	1,429.13	82.66	18.289		
15,300.00	7,061.31	7,155.28	7,095.21	235.02	34.14	90.23	-734.01	-5,967.98	1,610.71	1,529.20	81.51	19.762		
15,400.00	7,059.49	7,155.58	7,095.51	237.84	34.14	90.31	-734.00	-5,967.98	1,709.76	1,629.24	80.52	21.233		
15,500.00	7,057.68	7,155.89	7,095.82	240.66	34.15	90.38	-734.00	-5,967.99	1,808.92	1,729.24	79.68	22.702		
15,600.00	7,055.86	7,156.19	7,096.12	243.48	34.15	90.46	-733.99	-5,968.00	1,908.16	1,829.21	78.95	24.168		
15,647.29	7,055.00	7,156.34	7,096.27	244.81	34.15	90.50	-733.99	-5,968.00	1,955.12	1,876.48	78.64	24.860		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-103.19	-1,275.90	-5,444.74	5,592.24					
100.00	100.00	79.21	79.21	3.28	3.28	-103.19	-1,275.75	-5,444.97	5,592.48	5,585.91	6.57	851.311		
200.00	200.00	171.94	171.94	3.34	3.32	-103.18	-1,275.26	-5,445.63	5,593.05	5,586.39	6.66	839.914		
300.00	300.00	288.73	288.72	3.44	3.44	-103.17	-1,274.27	-5,446.43	5,593.54	5,586.65	6.88	812.745		
400.00	399.98	413.95	413.92	3.60	3.64	120.85	-1,272.46	-5,446.94	5,594.50	5,587.27	7.23	773.570		
500.00	499.84	513.90	513.86	3.79	3.84	120.88	-1,270.63	-5,447.22	5,597.04	5,589.42	7.63	733.614		
600.00	599.45	614.55	614.48	4.03	4.08	120.90	-1,268.58	-5,447.54	5,601.38	5,593.28	8.11	691.011		
700.00	698.70	742.13	742.03	4.30	4.44	120.97	-1,265.52	-5,447.73	5,607.30	5,598.57	8.73	642.407		
790.00	787.61	851.57	851.41	4.57	4.77	121.04	-1,262.16	-5,447.44	5,613.67	5,604.34	9.34	601.303		
800.00	797.47	861.78	861.62	4.60	4.80	121.05	-1,261.82	-5,447.40	5,614.45	5,605.05	9.40	597.216		
900.00	896.01	900.00	899.82	4.94	4.92	121.12	-1,260.57	-5,447.27	5,622.61	5,612.75	9.86	570.419		
1,000.00	994.55	958.31	958.12	5.30	5.11	121.22	-1,259.21	-5,447.47	5,631.58	5,621.18	10.40	541.436		
1,100.00	1,093.09	1,000.00	999.80	5.68	5.25	121.29	-1,258.96	-5,448.11	5,641.81	5,630.90	10.91	517.009		
1,200.00	1,191.63	1,035.17	1,034.96	6.08	5.37	121.34	-1,259.25	-5,448.93	5,653.12	5,641.70	11.42	495.113		
1,300.00	1,290.17	1,100.00	1,099.73	6.49	5.59	121.42	-1,261.06	-5,450.95	5,665.55	5,653.52	12.04	470.631		
1,400.00	1,388.71	1,134.71	1,134.38	6.91	5.72	121.46	-1,262.54	-5,452.23	5,678.72	5,666.15	12.57	451.834		
1,500.00	1,487.25	1,200.00	1,199.55	7.34	5.96	121.53	-1,265.62	-5,454.74	5,692.50	5,679.28	13.22	430.644		
1,600.00	1,585.79	1,262.03	1,261.41	7.77	6.21	121.59	-1,269.31	-5,457.36	5,706.91	5,693.04	13.87	411.361		
1,700.00	1,684.34	1,323.79	1,322.92	8.22	6.46	121.64	-1,274.08	-5,460.26	5,722.09	5,707.55	14.54	393.573		
1,800.00	1,782.88	1,400.00	1,398.71	8.66	6.79	121.69	-1,281.18	-5,463.91	5,737.71	5,722.43	15.28	375.516		
1,900.00	1,881.42	1,439.80	1,438.23	9.12	6.97	121.71	-1,285.38	-5,466.00	5,754.04	5,738.16	15.88	362.410		
2,000.00	1,979.96	1,500.00	1,497.90	9.57	7.25	121.74	-1,292.33	-5,469.88	5,771.52	5,754.95	16.57	348.333		
2,100.00	2,078.50	1,500.00	1,497.90	10.03	7.25	121.74	-1,292.33	-5,469.88	5,789.87	5,772.88	16.99	340.827		
2,200.00	2,177.04	1,543.23	1,540.65	10.49	7.47	121.76	-1,297.80	-5,473.29	5,809.36	5,791.75	17.61	329.869		
2,300.00	2,275.58	1,600.00	1,596.61	10.95	7.76	121.77	-1,305.62	-5,478.75	5,830.23	5,811.94	18.30	318.597		
2,400.00	2,374.12	1,600.00	1,596.61	11.42	7.76	121.77	-1,305.62	-5,478.75	5,851.85	5,833.14	18.71	312.770		
2,500.00	2,472.66	1,636.34	1,632.31	11.89	7.98	121.78	-1,311.08	-5,482.77	5,874.76	5,855.45	19.31	304.273		
2,600.00	2,571.20	1,668.53	1,663.84	12.36	8.17	121.78	-1,316.30	-5,486.64	5,898.74	5,878.86	19.88	296.705		
2,700.00	2,669.74	1,701.43	1,695.97	12.83	8.37	121.78	-1,321.98	-5,490.89	5,923.79	5,903.33	20.46	289.592		
2,800.00	2,768.28	1,784.01	1,776.36	13.30	8.91	121.77	-1,337.35	-5,501.85	5,949.47	5,928.13	21.33	278.888		
2,900.00	2,866.83	1,848.87	1,839.35	13.78	9.35	121.76	-1,350.13	-5,510.54	5,975.49	5,953.37	22.12	270.194		
3,000.00	2,965.37	1,900.00	1,888.95	14.25	9.71	121.75	-1,360.27	-5,517.66	6,002.09	5,979.28	22.82	263.056		
3,100.00	3,063.91	1,941.80	1,929.42	14.73	10.01	121.74	-1,368.79	-5,523.78	6,029.51	6,006.04	23.47	256.923		
3,200.00	3,162.45	2,000.00	1,985.51	15.20	10.45	121.72	-1,381.29	-5,532.97	6,058.00	6,033.78	24.22	250.084		
3,300.00	3,260.99	2,045.09	2,028.85	15.68	10.80	121.70	-1,391.28	-5,540.35	6,087.12	6,062.22	24.90	244.426		
3,400.00	3,359.53	2,168.49	2,147.59	16.16	11.76	121.65	-1,418.38	-5,560.25	6,116.22	6,090.11	26.11	234.225		
3,500.00	3,458.07	2,258.69	2,234.59	16.64	12.44	121.62	-1,437.26	-5,574.74	6,145.06	6,117.98	27.09	226.851		
3,600.00	3,556.61	2,351.22	2,323.78	17.12	13.15	121.59	-1,456.77	-5,589.78	6,174.11	6,146.02	28.08	219.857		
3,700.00	3,655.15	2,457.01	2,425.72	17.60	13.95	121.56	-1,479.36	-5,606.77	6,203.02	6,173.85	29.17	212.628		
3,800.00	3,753.69	2,553.77	2,518.95	18.08	14.69	121.53	-1,500.17	-5,622.19	6,231.85	6,201.64	30.21	206.284		
3,900.00	3,852.23	2,669.41	2,630.21	18.56	15.58	121.48	-1,525.98	-5,640.32	6,260.62	6,229.23	31.39	199.432		
4,000.00	3,950.77	2,877.58	2,831.01	19.04	17.08	121.39	-1,572.26	-5,669.86	6,287.54	6,254.33	33.21	189.324		
4,100.00	4,049.31	2,953.06	2,903.85	19.52	17.62	121.36	-1,589.04	-5,680.29	6,314.51	6,280.41	34.10	185.157		
4,200.00	4,147.86	3,038.53	2,986.35	20.00	18.22	121.32	-1,607.78	-5,692.43	6,341.79	6,306.73	35.06	180.885		
4,300.00	4,246.40	3,188.00	3,131.11	20.49	19.25	121.29	-1,638.25	-5,713.79	6,368.89	6,332.46	36.43	174.834		
4,400.00	4,344.94	3,289.32	3,229.27	20.97	19.93	121.26	-1,659.29	-5,727.53	6,395.30	6,357.83	37.48	170.652		
4,500.00	4,443.48	3,431.40	3,366.94	21.45	20.87	121.21	-1,689.29	-5,745.81	6,421.01	6,382.21	38.80	165.509		
4,600.00	4,542.02	3,500.00	3,433.38	21.94	21.32	121.19	-1,703.71	-5,754.93	6,447.16	6,407.54	39.62	162.705		
4,700.00	4,640.56	3,572.02	3,503.10	22.42	21.80	121.17	-1,718.79	-5,764.83	6,473.72	6,433.24	40.48	159.934		
4,800.00	4,739.10	3,636.46	3,565.48	22.91	22.25	121.15	-1,732.36	-5,773.66	6,500.39	6,459.10	41.29	157.435		
4,900.00	4,837.64	3,700.00	3,626.62	23.39	22.71	121.12	-1,747.14	-5,782.62	6,527.79	6,485.69	42.10	155.051		
5,000.00	4,936.18	3,740.19	3,665.13	23.87	23.02	121.09	-1,757.03	-5,788.43	6,555.79	6,513.03	42.76	153.312		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	3,800.00	3,722.38	24.36	23.49	121.05	-1,771.92	-5,797.30	6,584.35	6,540.78	43.57	151.126		
5,200.00	5,133.26	3,870.74	3,790.05	24.84	24.05	121.01	-1,789.44	-5,808.14	6,613.36	6,568.90	44.46	148.743		
5,300.00	5,231.80	3,900.00	3,897.39	25.33	35.22	120.96	-1,815.81	-5,825.66	6,642.41	6,588.34	54.07	122.851		
5,400.00	5,330.34	4,216.65	4,123.39	25.82	26.60	120.89	-1,865.42	-5,860.55	6,670.00	6,622.33	47.66	139.938		
5,500.00	5,428.89	4,307.16	4,211.10	26.30	27.21	120.88	-1,883.55	-5,873.53	6,697.02	6,648.39	48.63	137.701		
5,600.00	5,527.43	4,400.96	4,301.95	26.79	27.84	120.86	-1,902.66	-5,886.96	6,724.10	6,674.47	49.63	135.482		
5,700.00	5,625.97	4,463.30	4,362.19	27.27	28.28	120.84	-1,915.93	-5,895.93	6,751.44	6,701.02	50.42	133.898		
5,800.00	5,724.51	4,541.07	4,437.20	27.76	28.84	120.81	-1,932.98	-5,907.37	6,779.22	6,727.89	51.33	132.078		
5,900.00	5,823.05	4,600.00	4,494.02	28.24	29.26	120.79	-1,946.02	-5,916.03	6,807.15	6,755.06	52.10	130.661		
6,000.00	5,921.59	4,666.88	4,558.45	28.73	29.76	120.77	-1,960.77	-5,926.20	6,835.53	6,782.60	52.93	129.147		
6,100.00	6,020.13	4,733.33	4,625.79	29.22	30.24	121.33	-2,126.20	-6,049.07	6,860.81	6,800.21	60.60	113.222		
6,200.00	6,118.67	4,800.00	4,693.24	29.70	30.72	121.45	-2,126.98	-6,050.44	6,871.28	6,809.85	61.43	111.849		
6,300.00	6,217.21	4,866.74	4,780.71	30.19	31.20	121.58	-2,128.26	-6,051.72	6,881.60	6,819.27	62.32	110.415		
6,400.00	6,315.75	4,933.48	4,841.25	30.68	31.69	121.74	-2,129.90	-6,052.69	6,891.59	6,828.31	63.29	108.897		
6,500.00	6,414.29	5,000.00	4,907.76	31.16	32.18	121.82	-2,130.74	-6,053.18	6,901.48	6,837.43	64.05	107.747		
6,582.51	6,495.60	5,066.83	4,974.07	31.57	32.59	121.95	-2,131.90	-6,053.83	6,909.66	6,844.82	64.84	106.570		
6,600.00	6,512.86	5,133.33	5,040.52	31.65	32.67	114.48	-2,132.19	-6,053.90	6,911.10	6,846.09	65.01	106.306		
6,650.00	6,562.39	5,200.00	5,090.00	31.88	32.90	84.15	-2,132.99	-6,053.98	6,912.61	6,847.19	65.43	105.653		
6,700.00	6,611.96	5,266.74	5,136.71	32.08	33.10	51.31	-2,133.84	-6,053.98	6,910.23	6,844.43	65.80	105.023		
6,750.00	6,661.26	5,333.48	5,186.24	32.27	33.29	30.52	-2,134.49	-6,054.04	6,904.11	6,838.01	66.10	104.448		
6,800.00	6,709.99	5,400.00	5,235.97	32.44	33.46	19.07	-2,135.17	-6,054.17	6,894.30	6,827.92	66.38	103.854		
6,850.00	6,757.84	5,466.74	5,285.50	32.61	33.63	12.27	-2,136.47	-6,054.50	6,880.84	6,814.10	66.74	103.097		
6,900.00	6,804.53	5,533.48	5,335.03	32.77	33.79	7.79	-2,137.83	-6,054.54	6,863.45	6,796.33	67.11	102.265		
6,950.00	6,849.77	5,600.00	5,384.56	32.92	33.94	4.55	-2,138.73	-6,054.58	6,842.56	6,775.21	67.34	101.605		
7,000.00	6,893.27	5,666.74	5,428.06	33.07	34.09	2.01	-2,139.16	-6,054.69	6,818.41	6,750.88	67.53	100.971		
7,050.00	6,934.77	5,733.48	5,477.59	33.23	34.25	-0.13	-2,139.56	-6,054.86	6,791.13	6,723.43	67.70	100.318		
7,100.00	6,974.01	5,800.00	5,517.12	33.39	34.41	-2.07	-2,140.31	-6,055.41	6,760.91	6,692.99	67.91	99.550		
7,150.00	7,010.75	5,866.74	5,557.65	33.55	34.57	-3.92	-2,140.31	-6,055.41	6,727.75	6,659.75	67.99	98.947		
7,200.00	7,044.77	5,933.48	5,597.67	33.72	34.74	-5.87	-2,141.24	-6,056.27	6,691.92	6,623.68	68.24	98.071		
7,250.00	7,075.85	6,000.00	5,628.20	33.92	34.92	-8.04	-2,142.16	-6,057.09	6,653.45	6,584.96	68.49	97.147		
7,300.00	7,103.80	6,066.74	5,658.73	34.13	35.13	-10.55	-2,142.70	-6,057.54	6,612.64	6,543.98	68.66	96.311		
7,350.00	7,128.45	6,133.48	5,689.26	34.38	35.38	-13.64	-2,143.16	-6,057.92	6,569.78	6,500.97	68.81	95.479		
7,400.00	7,149.65	6,200.00	5,720.00	34.67	35.67	-17.65	-2,143.55	-6,058.23	6,525.14	6,456.21	68.93	94.657		
7,450.00	7,167.26	6,266.74	5,750.53	35.00	36.00	-23.13	-2,143.86	-6,058.48	6,479.01	6,409.98	69.04	93.849		
7,500.00	7,181.19	6,333.48	5,781.06	35.38	36.38	-30.85	-2,143.96	-6,058.57	6,431.72	6,362.64	69.08	93.104		
7,550.00	7,191.34	6,400.00	5,811.59	35.81	36.81	-42.49	-2,144.08	-6,058.68	6,383.52	6,314.40	69.13	92.344		
7,600.00	7,197.65	6,466.74	5,842.12	36.28	37.28	-59.82	-2,144.16	-6,058.76	6,334.73	6,265.57	69.16	91.595		
7,650.00	7,200.08	6,533.48	5,872.65	36.80	37.80	-82.53	-2,144.19	-6,058.79	6,285.65	6,216.47	69.18	90.859		
7,667.87	7,200.00	6,600.00	5,903.18	36.99	38.00	-90.98	-2,144.19	-6,058.79	6,268.09	6,198.91	69.19	90.599		
7,700.00	7,199.42	6,666.74	5,933.71	37.35	38.35	-90.97	-2,144.19	-6,058.79	6,236.54	6,167.35	69.19	90.133		
7,800.00	7,197.60	6,733.48	5,964.24	38.62	39.62	-90.94	-2,144.18	-6,058.78	6,138.38	6,069.15	69.22	88.674		
7,900.00	7,195.78	6,800.00	5,994.77	40.06	40.22	-90.92	-2,144.18	-6,058.78	6,040.27	5,971.00	69.27	87.201		
8,000.00	7,193.97	6,866.74	6,025.30	41.66	40.22	-90.89	-2,144.17	-6,058.77	5,942.23	5,872.90	69.33	85.713		
8,100.00	7,192.15	6,933.48	6,055.83	43.40	40.21	-90.87	-2,144.17	-6,058.76	5,844.26	5,774.86	69.40	84.210		
8,200.00	7,190.33	7,000.00	6,086.36	45.25	40.21	-90.85	-2,144.16	-6,058.76	5,746.35	5,676.86	69.49	82.692		
8,300.00	7,188.51	7,066.74	6,116.89	47.20	40.21	-90.82	-2,144.15	-6,058.75	5,648.52	5,578.92	69.60	81.158		
8,400.00	7,186.70	7,133.48	6,147.42	49.25	40.21	-90.80	-2,144.15	-6,058.75	5,550.77	5,481.04	69.73	79.607		
8,500.00	7,184.88	7,200.00	6,177.95	51.37	40.21	-90.77	-2,144.14	-6,058.74	5,453.09	5,383.22	69.88	78.041		
8,600.00	7,183.06	7,266.74	6,208.48	53.56	40.21	-90.75	-2,144.13	-6,058.73	5,355.51	5,285.46	70.05	76.457		
8,700.00	7,181.24	7,333.48	6,239.01	55.81	40.20	-90.72	-2,144.13	-6,058.73	5,258.01	5,187.77	70.24	74.857		
8,800.00	7,179.43	7,400.00	6,269.54	58.11	40.20	-90.70	-2,144.12	-6,058.72	5,160.61	5,090.15	70.46	73.240		
8,900.00	7,177.61	7,466.74	6,300.07	60.46	40.20	-90.67	-2,144.11	-6,058.71	5,063.31	4,992.60	70.71	71.606		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	7,237.13	7,106.39	62.85	40.20	-90.64	-2,144.11	-6,058.71	4,966.12	4,895.13	70.99	69.955		
9,100.00	7,173.98	7,236.60	7,105.86	65.28	40.20	-90.62	-2,144.10	-6,058.70	4,869.04	4,797.74	71.30	68.288		
9,200.00	7,172.16	7,236.07	7,105.32	67.74	40.20	-90.59	-2,144.09	-6,058.69	4,772.08	4,700.43	71.65	66.603		
9,300.00	7,170.34	7,235.53	7,104.79	70.23	40.19	-90.57	-2,144.09	-6,058.69	4,675.25	4,603.22	72.03	64.903		
9,400.00	7,168.52	7,234.99	7,104.25	72.74	40.19	-90.54	-2,144.08	-6,058.68	4,578.56	4,506.10	72.46	63.187		
9,500.00	7,166.71	7,234.45	7,103.70	75.28	40.19	-90.51	-2,144.07	-6,058.68	4,482.01	4,409.08	72.93	61.456		
9,600.00	7,164.89	7,233.90	7,103.16	77.84	40.19	-90.49	-2,144.06	-6,058.67	4,385.61	4,312.17	73.45	59.711		
9,700.00	7,163.07	7,233.35	7,102.61	80.43	40.19	-90.46	-2,144.06	-6,058.66	4,289.38	4,215.37	74.01	57.953		
9,800.00	7,161.26	7,232.80	7,102.06	83.02	40.19	-90.43	-2,144.05	-6,058.66	4,193.33	4,118.69	74.64	56.183		
9,900.00	7,159.44	7,232.25	7,101.50	85.64	40.18	-90.41	-2,144.04	-6,058.65	4,097.47	4,022.15	75.32	54.402		
10,000.00	7,157.62	7,231.69	7,100.95	88.27	40.18	-90.38	-2,144.04	-6,058.64	4,001.81	3,925.74	76.06	52.613		
10,100.00	7,155.80	7,231.13	7,100.39	90.91	40.18	-90.35	-2,144.03	-6,058.64	3,906.36	3,829.49	76.87	50.816		
10,200.00	7,153.99	7,230.57	7,099.82	93.56	40.18	-90.32	-2,144.02	-6,058.63	3,811.15	3,733.39	77.76	49.013		
10,300.00	7,152.17	7,230.00	7,099.26	96.23	40.18	-90.30	-2,144.01	-6,058.62	3,716.19	3,637.47	78.72	47.208		
10,400.00	7,150.35	7,229.43	7,098.69	98.90	40.17	-90.27	-2,144.01	-6,058.62	3,621.50	3,541.74	79.77	45.401		
10,500.00	7,148.54	7,228.86	7,098.12	101.59	40.17	-90.24	-2,144.00	-6,058.61	3,527.11	3,446.20	80.90	43.596		
10,600.00	7,146.72	7,228.28	7,097.54	104.28	40.17	-90.21	-2,143.99	-6,058.60	3,433.03	3,350.89	82.14	41.796		
10,700.00	7,144.90	7,227.70	7,096.96	106.98	40.17	-90.19	-2,143.98	-6,058.59	3,339.30	3,255.82	83.48	40.003		
10,800.00	7,143.08	7,227.12	7,096.38	109.69	40.17	-90.16	-2,143.98	-6,058.59	3,245.94	3,161.01	84.93	38.220		
10,900.00	7,141.27	7,226.54	7,095.80	112.41	40.17	-90.13	-2,143.97	-6,058.58	3,152.98	3,066.48	86.50	36.450		
11,000.00	7,139.45	7,225.95	7,095.21	115.13	40.16	-90.10	-2,143.96	-6,058.57	3,060.48	2,972.27	88.21	34.697		
11,100.00	7,137.63	7,225.36	7,094.62	117.86	40.16	-90.07	-2,143.95	-6,058.57	2,968.45	2,878.40	90.05	32.964		
11,200.00	7,135.82	7,224.76	7,094.02	120.59	40.16	-90.04	-2,143.94	-6,058.56	2,876.96	2,784.92	92.05	31.255		
11,300.00	7,134.00	7,224.17	7,093.42	123.33	40.16	-90.01	-2,143.94	-6,058.55	2,786.06	2,691.85	94.21	29.573		
11,400.00	7,132.18	7,223.56	7,092.82	126.07	40.16	-89.98	-2,143.93	-6,058.55	2,695.80	2,599.25	96.55	27.921		
11,500.00	7,130.36	7,222.96	7,092.22	128.82	40.15	-89.96	-2,143.92	-6,058.54	2,606.25	2,507.16	99.08	26.303		
11,600.00	7,128.55	7,222.35	7,091.61	131.57	40.15	-89.93	-2,143.91	-6,058.53	2,517.48	2,415.66	101.83	24.724		
11,700.00	7,126.73	7,221.74	7,091.00	134.33	40.15	-89.90	-2,143.90	-6,058.52	2,429.59	2,324.80	104.79	23.185		
11,800.00	7,124.91	7,221.13	7,090.38	137.09	40.15	-89.87	-2,143.90	-6,058.52	2,342.67	2,234.67	108.00	21.691		
11,900.00	7,123.10	7,220.51	7,089.77	139.85	40.15	-89.84	-2,143.89	-6,058.51	2,256.84	2,145.36	111.48	20.245		
12,000.00	7,121.28	7,219.89	7,089.14	142.62	40.14	-89.81	-2,143.88	-6,058.50	2,172.21	2,056.98	115.23	18.850		
12,100.00	7,119.46	7,219.26	7,088.52	145.39	40.14	-89.78	-2,143.87	-6,058.50	2,088.95	1,969.65	119.30	17.510		
12,200.00	7,117.64	7,218.63	7,087.89	148.16	40.14	-89.75	-2,143.86	-6,058.49	2,007.21	1,883.52	123.69	16.228		
12,300.00	7,115.83	7,218.00	7,087.26	150.94	40.14	-89.71	-2,143.85	-6,058.48	1,927.20	1,798.77	128.43	15.006		
12,400.00	7,114.01	7,217.36	7,086.62	153.72	40.14	-89.68	-2,143.85	-6,058.47	1,849.13	1,715.59	133.55	13.846		
12,500.00	7,112.19	7,216.73	7,085.98	156.50	40.13	-89.65	-2,143.84	-6,058.47	1,773.27	1,634.22	139.05	12.753		
12,600.00	7,110.37	7,216.08	7,085.34	159.28	40.13	-89.62	-2,143.83	-6,058.46	1,699.90	1,554.95	144.95	11.727		
12,700.00	7,108.56	7,215.44	7,084.69	162.07	40.13	-89.59	-2,143.82	-6,058.45	1,629.38	1,478.11	151.27	10.771		
12,800.00	7,106.74	7,214.78	7,084.04	164.86	40.13	-89.56	-2,143.81	-6,058.44	1,562.07	1,404.08	157.98	9.888		
12,900.00	7,104.92	7,214.13	7,083.39	167.65	40.13	-89.53	-2,143.80	-6,058.44	1,498.41	1,333.34	165.08	9.077		
13,000.00	7,103.11	7,213.47	7,082.73	170.44	40.12	-89.49	-2,143.79	-6,058.43	1,438.90	1,266.40	172.50	8.341		
13,100.00	7,101.29	7,212.81	7,082.07	173.23	40.12	-89.46	-2,143.78	-6,058.42	1,384.06	1,203.87	180.19	7.681		
13,200.00	7,099.47	7,212.15	7,081.41	176.03	40.12	-89.43	-2,143.78	-6,058.41	1,334.47	1,146.45	188.02	7.098		
13,300.00	7,097.65	7,211.49	7,080.75	178.82	40.12	-89.41	-2,143.77	-6,058.40	1,290.73	1,094.89	195.84	6.591		
13,400.00	7,095.84	7,210.83	7,080.10	181.62	40.11	-89.37	-2,143.76	-6,058.40	1,253.47	1,049.99	203.47	6.160		
13,500.00	7,094.02	7,210.17	7,079.44	184.42	40.11	-89.33	-2,143.75	-6,058.39	1,223.26	1,012.58	210.67	5.806		
13,600.00	7,092.20	7,209.51	7,078.78	187.22	40.11	-89.30	-2,143.74	-6,058.38	1,200.64	983.44	217.20	5.528		
13,700.00	7,090.39	7,208.85	7,078.12	190.03	40.11	-89.27	-2,143.73	-6,058.38	1,186.05	963.24	222.81	5.323		
13,800.00	7,088.57	7,208.19	7,077.46	192.83	40.11	-89.23	-2,143.72	-6,058.37	1,179.79	952.50	227.29	5.191		
13,824.10	7,088.13	7,207.90	7,077.16	193.51	40.10	-89.22	-2,143.72	-6,058.37	1,179.54	951.36	228.18	5.169 CC, ES		
13,900.00	7,086.75	7,207.38	7,076.64	195.64	40.10	-89.20	-2,143.71	-6,058.36	1,181.98	951.50	230.48	5.128 SF		
14,000.00	7,084.93	7,206.68	7,075.94	198.44	40.10	-89.16	-2,143.70	-6,058.35	1,192.59	960.27	232.32	5.133		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SOUTH #6-23D - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	7,083.12	7,205.98	7,075.24	201.25	40.10	-89.13	-2,143.69	-6,058.35	1,211.38	978.57	232.81	5.203	
14,200.00	7,081.30	7,205.27	7,074.53	204.06	40.10	-89.10	-2,143.68	-6,058.34	1,237.99	1,005.92	232.07	5.335	
14,300.00	7,079.48	7,204.56	7,073.82	206.87	40.09	-89.06	-2,143.67	-6,058.33	1,271.93	1,041.69	230.24	5.524	
14,400.00	7,077.67	7,203.85	7,073.11	209.68	40.09	-89.03	-2,143.66	-6,058.32	1,312.62	1,085.10	227.51	5.769	
14,500.00	7,075.85	7,203.13	7,072.39	212.49	40.09	-88.99	-2,143.65	-6,058.31	1,359.47	1,135.37	224.10	6.066	
14,600.00	7,074.03	7,202.40	7,071.66	215.31	40.09	-88.96	-2,143.64	-6,058.31	1,411.85	1,191.67	220.18	6.412	
14,700.00	7,072.21	7,201.68	7,070.94	218.12	40.08	-88.92	-2,143.63	-6,058.30	1,469.18	1,253.24	215.94	6.804	
14,800.00	7,070.40	7,200.94	7,070.21	220.93	40.08	-88.89	-2,143.62	-6,058.29	1,530.90	1,319.39	211.51	7.238	
14,900.00	7,068.58	7,200.21	7,069.47	223.75	40.08	-88.85	-2,143.61	-6,058.28	1,596.51	1,389.50	207.00	7.712	
15,000.00	7,066.76	7,199.51	7,068.77	226.57	40.08	-88.82	-2,143.60	-6,058.27	1,665.53	1,463.02	202.51	8.224	
15,100.00	7,064.95	7,198.83	7,068.09	229.38	40.08	-88.78	-2,143.59	-6,058.27	1,737.58	1,539.47	198.10	8.771	
15,200.00	7,063.13	7,198.15	7,067.42	232.20	40.07	-88.75	-2,143.58	-6,058.26	1,812.27	1,618.46	193.82	9.350	
15,300.00	7,061.31	7,197.48	7,066.75	235.02	40.07	-88.72	-2,143.57	-6,058.25	1,889.31	1,699.63	189.69	9.960	
15,400.00	7,059.49	7,196.81	7,066.08	237.84	40.07	-88.69	-2,143.56	-6,058.24	1,968.42	1,782.69	185.73	10.598	
15,500.00	7,057.68	7,196.15	7,065.41	240.66	40.07	-88.65	-2,143.55	-6,058.24	2,049.35	1,867.40	181.95	11.263	
15,600.00	7,055.86	7,195.49	7,064.75	243.48	40.06	-88.62	-2,143.54	-6,058.23	2,131.90	1,953.54	178.36	11.953	
15,647.29	7,055.00	7,195.18	7,064.44	244.81	40.06	-88.61	-2,143.54	-6,058.23	2,171.45	1,994.72	176.73	12.287	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	10.26	10.26	3.28	3.28	-103.30	-1,286.83	-5,444.74	5,594.74					
100.00	100.00	154.30	154.30	3.28	3.31	-103.30	-1,286.75	-5,443.65	5,593.89	5,587.29	6.60	848.121		
200.00	200.00	242.59	242.58	3.34	3.38	-103.30	-1,286.71	-5,442.96	5,593.12	5,586.40	6.72	832.326		
300.00	300.00	331.76	331.75	3.44	3.50	-103.30	-1,286.73	-5,442.39	5,592.50	5,585.56	6.94	805.735		
323.43	323.43	350.86	350.85	3.48	3.53	120.70	-1,286.73	-5,442.30	5,592.44	5,585.44	7.00	798.740		
400.00	399.98	415.81	415.80	3.60	3.64	120.70	-1,286.74	-5,442.10	5,593.05	5,585.82	7.23	773.275		
500.00	499.84	515.77	515.76	3.79	3.84	120.70	-1,286.67	-5,441.92	5,595.54	5,587.91	7.63	733.451		
600.00	599.45	624.95	624.93	4.03	4.10	120.72	-1,286.48	-5,441.57	5,599.64	5,591.52	8.13	689.108		
700.00	698.70	710.23	710.22	4.30	4.33	120.71	-1,286.42	-5,441.36	5,605.64	5,597.02	8.63	649.735		
790.00	787.61	789.75	789.74	4.57	4.56	120.69	-1,286.44	-5,441.31	5,612.77	5,603.64	9.13	614.690		
800.00	797.47	798.56	798.55	4.60	4.59	120.70	-1,286.45	-5,441.31	5,613.65	5,604.46	9.19	610.828		
900.00	896.01	865.73	865.71	4.94	4.79	120.80	-1,286.78	-5,441.46	5,622.78	5,613.05	9.73	578.013		
1,000.00	994.55	900.00	899.98	5.30	4.90	120.85	-1,287.17	-5,441.64	5,632.64	5,622.45	10.19	552.691		
1,100.00	1,093.09	956.48	956.44	5.68	5.09	120.92	-1,288.60	-5,442.30	5,643.37	5,632.62	10.75	524.956		
1,200.00	1,191.63	1,000.00	999.90	6.08	5.24	120.97	-1,290.60	-5,443.24	5,655.26	5,643.98	11.28	501.204		
1,300.00	1,290.17	1,039.14	1,038.95	6.49	5.38	121.01	-1,293.04	-5,444.36	5,668.17	5,656.35	11.82	479.351		
1,400.00	1,388.71	1,100.00	1,099.57	6.91	5.62	121.05	-1,297.98	-5,446.47	5,682.07	5,669.61	12.46	456.096		
1,500.00	1,487.25	1,132.29	1,131.67	7.34	5.76	121.07	-1,301.19	-5,447.76	5,696.80	5,683.79	13.00	438.064		
1,600.00	1,585.79	1,200.00	1,198.83	7.77	6.07	121.10	-1,309.24	-5,450.82	5,712.52	5,698.81	13.71	416.693		
1,700.00	1,684.34	1,235.01	1,233.47	8.22	6.24	121.11	-1,314.03	-5,452.56	5,728.95	5,714.66	14.29	400.836		
1,800.00	1,782.88	1,300.00	1,297.63	8.66	6.57	121.11	-1,323.80	-5,455.99	5,746.15	5,731.12	15.03	382.423		
1,900.00	1,881.42	1,339.44	1,336.47	9.12	6.79	121.11	-1,330.29	-5,458.26	5,764.12	5,748.47	15.65	368.298		
2,000.00	1,979.96	1,400.00	1,395.93	9.57	7.13	121.10	-1,341.06	-5,462.25	5,783.07	5,766.68	16.39	352.807		
2,100.00	2,078.50	1,456.46	1,451.20	10.03	7.47	121.09	-1,351.87	-5,466.18	5,802.69	5,785.56	17.13	338.740		
2,200.00	2,177.04	1,530.92	1,523.92	10.49	7.93	121.06	-1,367.06	-5,471.27	5,822.60	5,804.61	17.98	323.766		
2,300.00	2,275.58	1,600.00	1,591.16	10.95	8.37	121.02	-1,382.08	-5,476.26	5,843.13	5,824.31	18.82	310.473		
2,400.00	2,374.12	1,684.04	1,672.63	11.42	8.93	120.96	-1,401.77	-5,482.32	5,864.03	5,844.26	19.78	296.480		
2,500.00	2,472.66	1,744.27	1,730.74	11.89	9.36	120.91	-1,417.05	-5,486.50	5,885.19	5,864.59	20.61	285.579		
2,600.00	2,571.20	1,800.00	1,784.21	12.36	9.77	120.85	-1,432.22	-5,490.58	5,907.10	5,885.69	21.41	275.850		
2,700.00	2,669.74	1,845.76	1,827.90	12.83	10.13	120.80	-1,445.36	-5,494.13	5,929.78	5,907.61	22.17	267.427		
2,800.00	2,768.28	1,900.00	1,879.44	13.30	10.56	120.72	-1,461.64	-5,498.62	5,953.26	5,930.26	23.00	258.860		
2,900.00	2,866.83	1,947.90	1,924.73	13.78	10.98	120.66	-1,476.68	-5,502.78	5,977.50	5,953.70	23.80	251.175		
3,000.00	2,965.37	2,000.00	1,973.72	14.25	11.44	120.57	-1,493.77	-5,507.47	6,002.45	5,977.82	24.63	243.681		
3,100.00	3,063.91	2,068.94	2,038.15	14.73	12.09	120.46	-1,517.48	-5,513.80	6,028.00	6,002.35	25.65	235.004		
3,200.00	3,162.45	2,128.03	2,093.01	15.20	12.66	120.35	-1,538.72	-5,519.26	6,054.08	6,027.49	26.59	227.671		
3,300.00	3,260.99	2,180.14	2,141.18	15.68	13.19	120.25	-1,557.96	-5,524.31	6,080.85	6,053.37	27.48	221.303		
3,400.00	3,359.53	2,229.49	2,186.60	16.16	13.70	120.15	-1,576.59	-5,529.33	6,108.35	6,080.00	28.35	215.488		
3,500.00	3,458.07	2,277.00	2,230.15	16.64	14.21	120.05	-1,594.89	-5,534.43	6,136.62	6,107.42	29.20	210.143		
3,600.00	3,556.61	2,325.74	2,274.63	17.12	14.75	119.95	-1,614.03	-5,539.92	6,165.66	6,135.58	30.08	204.982		
3,700.00	3,655.15	2,375.61	2,319.96	17.60	15.31	119.84	-1,633.97	-5,545.79	6,195.43	6,164.45	30.98	200.010		
3,800.00	3,753.69	2,434.49	2,373.25	18.08	16.01	119.71	-1,657.98	-5,552.99	6,225.88	6,193.90	31.98	194.655		
3,900.00	3,852.23	2,500.00	2,432.22	18.56	16.79	119.56	-1,685.33	-5,561.07	6,256.82	6,223.74	33.08	189.155		
4,000.00	3,950.77	2,549.06	2,476.10	19.04	17.43	119.44	-1,706.39	-5,567.22	6,288.36	6,254.35	34.02	184.869		
4,100.00	4,049.31	2,600.00	2,521.31	19.52	18.09	119.31	-1,728.94	-5,573.76	6,320.64	6,285.67	34.97	180.740		
4,200.00	4,147.86	2,655.31	2,570.09	20.00	18.85	119.17	-1,753.96	-5,581.03	6,353.57	6,317.56	36.02	176.408		
4,300.00	4,246.40	2,730.74	2,636.37	20.49	19.90	118.97	-1,788.52	-5,591.14	6,387.02	6,349.70	37.32	171.135		
4,400.00	4,344.94	2,869.86	2,759.34	20.97	21.78	118.63	-1,850.83	-5,609.83	6,420.33	6,380.90	39.42	162.859		
4,500.00	4,443.48	2,940.05	2,821.95	21.45	22.70	118.46	-1,881.10	-5,619.35	6,453.33	6,412.72	40.61	158.911		
4,600.00	4,542.02	3,000.00	2,875.34	21.94	23.49	118.33	-1,906.99	-5,627.92	6,487.02	6,445.36	41.66	155.714		
4,700.00	4,640.56	3,250.66	3,101.33	22.42	26.57	117.82	-2,009.32	-5,663.60	6,520.46	6,475.57	44.89	145.253		
4,800.00	4,739.10	3,620.60	3,440.75	22.91	30.42	117.19	-2,149.37	-5,708.10	6,551.90	6,502.92	48.98	133.764		
4,900.00	4,837.64	3,700.00	3,514.28	23.39	31.15	117.06	-2,178.33	-5,715.79	6,579.57	6,529.52	50.05	131.450		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	4,936.18	3,743.09	3,553.94	23.87	31.58	116.98	-2,194.63	-5,719.99	6,607.86	6,557.04	50.82	130.015		
5,100.00	5,034.72	3,800.00	3,605.76	24.36	32.16	116.87	-2,217.37	-5,726.01	6,637.28	6,585.55	51.73	128.312		
5,200.00	5,133.26	3,800.00	3,605.76	24.84	32.16	116.87	-2,217.37	-5,726.01	6,667.34	6,615.29	52.04	128.108		
5,300.00	5,231.80	3,857.51	3,657.70	25.33	32.82	116.76	-2,241.18	-5,732.53	6,698.30	6,645.29	53.00	126.382		
5,400.00	5,330.34	3,909.52	3,704.53	25.82	33.42	116.65	-2,262.95	-5,738.71	6,729.92	6,676.02	53.89	124.876		
5,500.00	5,428.89	3,975.60	3,763.88	26.30	34.21	116.52	-2,290.86	-5,746.80	6,762.05	6,707.09	54.96	123.035		
5,600.00	5,527.43	4,164.04	3,933.56	26.79	36.41	116.15	-2,369.54	-5,769.71	6,794.28	6,736.87	57.40	118.360		
5,700.00	5,625.97	4,244.66	4,007.36	27.27	37.28	116.02	-2,400.45	-5,779.57	6,825.26	6,766.70	58.56	116.551		
5,800.00	5,724.51	4,300.00	4,058.00	27.76	37.87	115.93	-2,421.55	-5,786.83	6,856.94	6,797.51	59.43	115.371		
5,900.00	5,823.05	4,342.39	4,096.73	28.24	38.35	115.86	-2,437.79	-5,792.65	6,889.24	6,829.06	60.18	114.477		
6,000.00	5,921.59	4,400.00	4,149.23	28.73	39.00	115.77	-2,460.04	-5,800.81	6,922.15	6,861.06	61.09	113.314		
6,100.00	6,020.13	4,520.70	4,258.83	29.22	40.39	115.57	-2,507.73	-5,817.58	6,955.19	6,892.48	62.72	110.897		
6,200.00	6,118.67	4,610.13	4,339.64	29.70	41.45	115.41	-2,544.18	-5,829.36	6,988.06	6,924.03	64.02	109.150		
6,300.00	6,217.21	4,679.80	4,402.27	30.19	42.29	115.28	-2,573.34	-5,838.36	7,021.13	6,956.01	65.11	107.828		
6,400.00	6,315.75	4,744.52	4,460.24	30.68	43.09	115.16	-2,600.87	-5,846.77	7,054.57	6,988.42	66.15	106.642		
6,500.00	6,414.29	4,800.00	4,509.99	31.16	43.78	115.06	-2,624.26	-5,854.29	7,088.46	7,021.38	67.08	105.672		
6,582.51	6,495.60	4,851.26	4,555.90	31.57	44.44	114.96	-2,645.90	-5,861.45	7,116.79	7,048.87	67.92	104.782		
6,600.00	6,512.86	4,860.79	4,564.41	31.65	44.56	107.60	-2,649.95	-5,862.79	7,122.62	7,054.54	68.08	104.622		
6,650.00	6,562.39	4,900.00	4,599.41	31.88	45.06	77.51	-2,666.74	-5,868.39	7,137.01	7,068.34	68.67	103.931		
6,700.00	6,611.96	4,922.01	4,619.02	32.08	45.35	44.91	-2,676.20	-5,871.56	7,147.86	7,078.83	69.03	103.546		
6,750.00	6,661.26	4,960.30	4,653.16	32.27	45.86	24.29	-2,692.61	-5,877.15	7,155.13	7,085.55	69.57	102.841		
6,800.00	6,709.99	5,312.21	4,969.18	32.44	50.11	12.21	-2,840.68	-5,922.07	7,157.66	7,083.88	73.78	97.016		
6,850.00	6,757.84	5,407.00	5,055.50	32.61	51.12	5.32	-2,878.38	-5,932.66	7,155.35	7,080.51	74.83	95.618		
6,900.00	6,804.53	5,400.00	5,049.11	32.77	51.05	0.99	-2,875.64	-5,931.89	7,149.38	7,074.59	74.79	95.587		
6,950.00	6,849.77	5,443.39	5,088.73	32.92	51.51	-2.25	-2,892.60	-5,936.90	7,139.77	7,064.50	75.28	94.849		
7,000.00	6,893.27	5,463.65	5,107.23	33.07	51.73	-4.74	-2,900.48	-5,939.37	7,126.81	7,051.31	75.50	94.392		
7,050.00	6,934.77	5,500.00	5,140.43	33.23	52.11	-6.88	-2,914.53	-5,944.03	7,110.53	7,034.64	75.89	93.695		
7,100.00	6,974.01	5,500.00	5,140.43	33.39	52.11	-8.69	-2,914.53	-5,944.03	7,090.90	7,015.01	75.88	93.444		
7,150.00	7,010.75	5,526.14	5,164.30	33.55	52.41	-10.50	-2,924.61	-5,947.52	7,068.12	6,991.97	76.15	92.815		
7,200.00	7,044.77	5,548.10	5,184.34	33.72	52.65	-12.30	-2,933.09	-5,950.50	7,042.29	6,965.92	76.37	92.214		
7,250.00	7,075.85	7,250.00	5,271.12	33.92	70.27	-14.57	-2,968.39	-5,963.74	7,013.53	6,922.69	90.85	77.203		
7,300.00	7,103.80	7,300.00	5,301.79	34.13	70.79	-16.75	-2,980.23	-5,968.41	6,981.65	6,890.38	91.27	76.493		
7,350.00	7,128.45	5,737.92	5,359.41	34.38	54.63	-19.41	-3,001.20	-5,977.24	6,946.89	6,868.67	78.22	88.816		
7,400.00	7,149.65	5,748.12	5,368.92	34.67	54.73	-22.15	-3,004.56	-5,978.76	6,909.93	6,831.65	78.28	88.271		
7,450.00	7,167.26	5,757.19	5,377.38	35.00	54.82	-25.40	-3,007.55	-5,980.13	6,870.89	6,792.55	78.33	87.712		
7,500.00	7,181.19	5,765.07	5,384.71	35.38	54.90	-29.31	-3,010.16	-5,981.33	6,829.97	6,751.59	78.38	87.142		
7,550.00	7,191.34	5,771.69	5,390.88	35.81	54.96	-34.11	-3,012.35	-5,982.36	6,787.41	6,709.00	78.41	86.562		
7,600.00	7,197.65	5,800.00	5,417.20	36.28	55.24	-40.43	-3,021.76	-5,986.85	6,743.57	6,664.91	78.66	85.733		
7,650.00	7,200.08	5,800.00	5,417.20	36.80	55.24	-47.82	-3,021.76	-5,986.85	6,698.44	6,619.81	78.64	85.179		
7,667.87	7,200.00	5,800.00	5,417.20	36.99	55.24	-50.86	-3,021.76	-5,986.85	6,682.10	6,603.46	78.64	84.975		
7,700.00	7,199.42	5,800.00	5,417.20	37.35	55.24	-50.86	-3,021.76	-5,986.85	6,652.62	6,573.99	78.63	84.608		
7,800.00	7,197.60	5,800.00	5,417.20	38.62	55.24	-50.86	-3,021.76	-5,986.85	6,561.05	6,482.42	78.63	83.447		
7,900.00	7,195.78	5,800.00	5,417.20	40.06	55.24	-50.86	-3,021.76	-5,986.85	6,469.72	6,391.07	78.65	82.256		
8,000.00	7,193.97	5,802.97	5,419.96	41.66	55.27	-50.92	-3,022.75	-5,987.33	6,378.66	6,299.92	78.74	81.005		
8,100.00	7,192.15	5,819.85	5,435.65	43.40	55.44	-51.26	-3,028.34	-5,990.07	6,287.84	6,208.83	79.01	79.583		
8,200.00	7,190.33	5,837.00	5,451.60	45.25	55.61	-51.60	-3,033.97	-5,992.89	6,197.26	6,117.94	79.32	78.132		
8,300.00	7,188.51	5,854.42	5,467.82	47.20	55.79	-51.96	-3,039.62	-5,995.76	6,106.93	6,027.26	79.67	76.651		
8,400.00	7,186.70	5,872.12	5,484.33	49.25	55.97	-52.31	-3,045.30	-5,998.71	6,016.87	5,936.79	80.07	75.142		
8,500.00	7,184.88	5,890.11	5,501.11	51.37	56.15	-52.68	-3,051.02	-6,001.73	5,927.07	5,846.54	80.53	73.604		
8,600.00	7,183.06	5,908.38	5,518.18	53.56	56.33	-53.05	-3,056.76	-6,004.83	5,837.56	5,756.52	81.03	72.040		
8,700.00	7,181.24	5,900.00	5,510.35	55.81	56.25	-52.88	-3,054.13	-6,003.40	5,748.39	5,667.08	81.31	70.694		
8,800.00	7,179.43	5,900.00	5,510.35	58.11	56.25	-52.88	-3,054.13	-6,003.40	5,659.58	5,577.85	81.73	69.245		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	5,900.00	5,510.35	60.46	56.25	-52.88	-3,054.13	-6,003.40	5,571.15	5,488.95	82.21	67.771		
9,000.00	7,175.79	5,929.01	5,537.42	62.85	56.55	-53.48	-3,063.26	-6,008.42	5,482.94	5,399.89	83.04	66.025		
9,100.00	7,173.98	5,935.89	5,543.84	65.28	56.63	-53.62	-3,065.43	-6,009.64	5,395.22	5,311.51	83.71	64.455		
9,200.00	7,172.16	5,942.92	5,550.39	67.74	56.70	-53.76	-3,067.66	-6,010.91	5,307.92	5,223.49	84.43	62.867		
9,300.00	7,170.34	5,950.11	5,557.08	70.23	56.77	-53.91	-3,069.93	-6,012.21	5,221.05	5,135.83	85.22	61.266		
9,400.00	7,168.52	5,957.45	5,563.92	72.74	56.85	-54.06	-3,072.26	-6,013.55	5,134.63	5,048.56	86.08	59.653		
9,500.00	7,166.71	5,964.96	5,570.90	75.28	56.93	-54.22	-3,074.64	-6,014.94	5,048.69	4,961.69	87.00	58.031		
9,600.00	7,164.89	5,972.63	5,578.03	77.84	57.01	-54.38	-3,077.08	-6,016.37	4,963.25	4,875.26	87.99	56.405		
9,700.00	7,163.07	6,000.00	5,603.44	80.43	57.30	-54.95	-3,085.80	-6,021.60	4,878.43	4,789.14	89.29	54.636		
9,800.00	7,161.26	6,000.00	5,603.44	83.02	57.30	-54.95	-3,085.80	-6,021.60	4,794.01	4,703.67	90.34	53.067		
9,900.00	7,159.44	6,000.00	5,603.44	85.64	57.30	-54.95	-3,085.80	-6,021.60	4,710.20	4,618.74	91.46	51.501		
10,000.00	7,157.62	6,000.00	5,603.44	88.27	57.30	-54.95	-3,085.80	-6,021.60	4,627.03	4,534.38	92.65	49.941		
10,100.00	7,155.80	6,000.00	5,603.44	90.91	57.30	-54.95	-3,085.80	-6,021.60	4,544.54	4,450.63	93.91	48.390		
10,200.00	7,153.99	6,000.00	5,603.44	93.56	57.30	-54.95	-3,085.80	-6,021.60	4,462.77	4,367.51	95.26	46.850		
10,300.00	7,152.17	6,027.03	5,628.46	96.23	57.62	-55.51	-3,094.55	-6,026.92	4,381.55	4,284.51	97.04	45.151		
10,400.00	7,150.35	6,034.74	5,635.57	98.90	57.72	-55.68	-3,097.09	-6,028.45	4,301.19	4,202.54	98.65	43.600		
10,500.00	7,148.54	6,042.55	5,642.77	101.59	57.81	-55.84	-3,099.69	-6,030.02	4,221.64	4,121.30	100.35	42.070		
10,600.00	7,146.72	6,050.46	5,650.05	104.28	57.91	-56.01	-3,102.33	-6,031.61	4,142.94	4,040.81	102.13	40.565		
10,700.00	7,144.90	6,058.47	5,657.41	106.98	58.00	-56.18	-3,105.04	-6,033.23	4,065.14	3,961.14	104.01	39.086		
10,800.00	7,143.08	6,066.58	5,664.86	109.69	58.10	-56.35	-3,107.79	-6,034.88	3,988.29	3,882.32	105.97	37.636		
10,900.00	7,141.27	6,074.80	5,672.39	112.41	58.20	-56.52	-3,110.61	-6,036.57	3,912.45	3,804.42	108.03	36.216		
11,000.00	7,139.45	6,100.00	5,695.43	115.13	58.50	-57.06	-3,119.39	-6,041.79	3,837.76	3,727.31	110.45	34.746		
11,100.00	7,137.63	6,341.18	5,918.88	117.86	61.17	-62.31	-3,198.46	-6,085.87	3,763.73	3,647.51	116.22	32.384		
11,200.00	7,135.82	6,352.19	5,929.17	120.59	61.28	-62.55	-3,202.05	-6,087.48	3,690.10	3,571.40	118.70	31.087		
11,300.00	7,134.00	6,363.20	5,939.45	123.33	61.38	-62.80	-3,205.64	-6,089.09	3,617.69	3,496.41	121.29	29.827		
11,400.00	7,132.18	6,374.20	5,949.71	126.07	61.49	-63.04	-3,209.24	-6,090.70	3,546.58	3,422.60	123.98	28.605		
11,500.00	7,130.36	6,385.18	5,959.96	128.82	61.59	-63.29	-3,212.85	-6,092.30	3,476.86	3,350.06	126.79	27.422		
11,600.00	7,128.55	6,396.16	5,970.20	131.57	61.70	-63.54	-3,216.47	-6,093.90	3,408.59	3,278.88	129.71	26.278		
11,700.00	7,126.73	6,412.04	5,985.01	134.33	61.85	-63.89	-3,221.73	-6,096.20	3,341.87	3,209.04	132.83	25.158		
11,800.00	7,124.91	6,429.61	6,001.40	137.09	62.01	-64.29	-3,227.58	-6,098.67	3,276.78	3,140.67	136.11	24.075		
11,900.00	7,123.10	6,446.09	6,016.76	139.85	62.17	-64.66	-3,233.09	-6,100.92	3,213.41	3,073.93	139.48	23.038		
12,000.00	7,121.28	6,966.52	6,512.67	142.62	65.40	-76.57	-3,384.65	-6,135.64	3,151.45	3,000.83	150.62	20.923		
12,100.00	7,119.46	6,967.53	6,513.65	145.39	65.40	-76.59	-3,384.88	-6,135.66	3,091.03	2,936.83	154.19	20.046		
12,200.00	7,117.64	6,968.53	6,514.62	148.16	65.40	-76.62	-3,385.11	-6,135.68	3,032.69	2,874.81	157.88	19.208		
12,300.00	7,115.83	6,969.52	6,515.59	150.94	65.41	-76.64	-3,385.33	-6,135.70	2,976.57	2,814.88	161.69	18.409		
12,400.00	7,114.01	6,970.52	6,516.56	153.72	65.41	-76.66	-3,385.56	-6,135.72	2,922.80	2,757.19	165.61	17.648		
12,500.00	7,112.19	6,971.51	6,517.52	156.50	65.42	-76.69	-3,385.79	-6,135.73	2,871.50	2,701.86	169.64	16.927		
12,600.00	7,110.37	6,972.49	6,518.48	159.28	65.42	-76.71	-3,386.01	-6,135.75	2,822.82	2,649.04	173.78	16.243		
12,700.00	7,108.56	6,973.48	6,519.44	162.07	65.42	-76.73	-3,386.23	-6,135.77	2,776.88	2,598.86	178.02	15.599		
12,800.00	7,106.74	6,974.46	6,520.40	164.86	65.43	-76.75	-3,386.46	-6,135.79	2,733.83	2,551.49	182.35	14.992		
12,900.00	7,104.92	6,975.44	6,521.35	167.65	65.43	-76.78	-3,386.68	-6,135.81	2,693.81	2,507.05	186.76	14.424		
13,000.00	7,103.11	6,976.41	6,522.30	170.44	65.43	-76.80	-3,386.90	-6,135.83	2,656.95	2,465.72	191.23	13.894		
13,100.00	7,101.29	6,977.39	6,523.25	173.23	65.44	-76.82	-3,387.12	-6,135.84	2,623.39	2,427.62	195.76	13.401		
13,200.00	7,099.47	6,978.35	6,524.19	176.03	65.44	-76.84	-3,387.34	-6,135.86	2,593.25	2,392.92	200.32	12.945		
13,300.00	7,097.65	6,979.32	6,525.13	178.82	65.44	-76.87	-3,387.56	-6,135.88	2,566.65	2,361.76	204.89	12.527		
13,400.00	7,095.84	6,980.28	6,526.07	181.62	65.45	-76.89	-3,387.78	-6,135.90	2,543.71	2,334.27	209.43	12.146		
13,500.00	7,094.02	6,981.24	6,527.00	184.42	65.45	-76.91	-3,387.99	-6,135.92	2,524.52	2,310.59	213.93	11.801		
13,600.00	7,092.20	6,982.20	6,527.94	187.22	65.46	-76.93	-3,388.21	-6,135.93	2,509.18	2,290.83	218.35	11.492		
13,700.00	7,090.39	6,983.16	6,528.87	190.03	65.46	-76.95	-3,388.43	-6,135.95	2,497.75	2,275.10	222.65	11.218		
13,800.00	7,088.57	6,984.11	6,529.79	192.83	65.46	-76.98	-3,388.64	-6,135.97	2,490.28	2,263.48	226.80	10.980		
13,900.00	7,086.75	6,985.06	6,530.72	195.64	65.47	-77.00	-3,388.85	-6,135.99	2,486.82	2,256.06	230.76	10.777		
13,936.21	7,086.09	6,985.40	6,531.05	196.65	65.47	-77.01	-3,388.93	-6,135.99	2,486.55	2,254.41	232.14	10.711 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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,084.93	6,986.00	6,531.64	198.44	65.47	-77.02	-3,389.07	-6,136.00	2,487.37	2,252.86	234.51	10.607 ES		
14,100.00	7,083.12	6,986.95	6,532.56	201.25	65.47	-77.04	-3,389.28	-6,136.02	2,491.94	2,253.93	238.01	10.470		
14,200.00	7,081.30	6,987.89	6,533.47	204.06	65.48	-77.06	-3,389.49	-6,136.04	2,500.50	2,259.26	241.25	10.365		
14,300.00	7,079.48	6,988.82	6,534.39	206.87	65.48	-77.08	-3,389.70	-6,136.06	2,513.02	2,268.83	244.19	10.291		
14,400.00	7,077.67	6,989.76	6,535.30	209.68	65.48	-77.11	-3,389.91	-6,136.07	2,529.43	2,282.60	246.84	10.247		
14,500.00	7,075.85	6,990.69	6,536.20	212.49	65.49	-77.13	-3,390.12	-6,136.09	2,549.66	2,300.49	249.17	10.233 SF		
14,600.00	7,074.03	6,991.62	6,537.11	215.31	65.49	-77.15	-3,390.33	-6,136.11	2,573.62	2,322.43	251.19	10.246		
14,700.00	7,072.21	6,992.54	6,538.01	218.12	65.49	-77.17	-3,390.54	-6,136.13	2,601.21	2,348.31	252.90	10.286		
14,800.00	7,070.40	6,993.47	6,538.91	220.93	65.50	-77.19	-3,390.74	-6,136.14	2,632.31	2,378.00	254.31	10.351		
14,900.00	7,068.58	6,994.39	6,539.81	223.75	65.50	-77.21	-3,390.95	-6,136.16	2,666.79	2,411.38	255.42	10.441		
15,000.00	7,066.76	6,995.31	6,540.70	226.57	65.50	-77.23	-3,391.15	-6,136.18	2,704.54	2,448.29	256.25	10.554		
15,100.00	7,064.95	6,996.22	6,541.59	229.38	65.51	-77.25	-3,391.36	-6,136.19	2,745.41	2,488.59	256.82	10.690		
15,200.00	7,063.13	6,997.13	6,542.48	232.20	65.51	-77.28	-3,391.56	-6,136.21	2,789.27	2,532.13	257.14	10.847		
15,300.00	7,061.31	6,998.04	6,543.37	235.02	65.51	-77.30	-3,391.77	-6,136.23	2,835.98	2,578.74	257.23	11.025		
15,400.00	7,059.49	6,998.95	6,544.25	237.84	65.52	-77.32	-3,391.97	-6,136.24	2,885.40	2,628.27	257.12	11.222		
15,500.00	7,057.68	6,999.85	6,545.13	240.66	65.52	-77.34	-3,392.17	-6,136.26	2,937.39	2,680.57	256.82	11.437		
15,600.00	7,055.86	7,001.68	6,546.91	243.48	65.53	-77.38	-3,392.58	-6,136.29	2,991.82	2,735.45	256.38	11.670		
15,647.29	7,055.00	7,002.60	6,547.81	244.81	65.53	-77.40	-3,392.78	-6,136.31	3,018.38	2,762.27	256.11	11.785		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	22.97	2,375.63	1,007.06	2,580.33					
100.00	100.00	79.28	79.28	3.28	3.28	22.97	2,375.64	1,007.13	2,580.31	2,573.74	6.57	392.796		
200.00	200.00	179.67	179.67	3.34	3.33	22.98	2,375.69	1,007.32	2,580.43	2,573.76	6.66	387.238		
300.00	300.00	278.52	278.52	3.44	3.42	22.98	2,375.74	1,007.45	2,580.53	2,573.66	6.87	375.748		
400.00	399.98	376.90	376.90	3.60	3.57	-113.04	2,375.90	1,007.51	2,581.38	2,574.22	7.16	360.379		
500.00	499.84	475.46	475.46	3.79	3.75	-113.11	2,376.19	1,007.38	2,583.65	2,576.11	7.54	342.635		
600.00	599.45	571.85	571.85	4.03	3.97	-113.22	2,376.58	1,007.20	2,587.39	2,579.40	7.99	323.777		
700.00	698.70	672.24	672.24	4.30	4.23	-113.38	2,377.13	1,006.86	2,592.63	2,584.11	8.52	304.308		
790.00	787.61	764.80	764.80	4.57	4.49	-113.58	2,377.58	1,006.40	2,598.47	2,589.41	9.05	287.002		
800.00	797.47	775.10	775.09	4.60	4.52	-113.62	2,377.62	1,006.34	2,599.17	2,590.06	9.12	285.107		
900.00	896.01	873.58	873.57	4.94	4.82	-113.97	2,378.00	1,005.79	2,606.28	2,596.53	9.75	267.336		
1,000.00	994.55	970.16	970.15	5.30	5.13	-114.31	2,378.37	1,005.38	2,613.53	2,603.11	10.42	250.932		
1,100.00	1,093.09	1,346.00	1,345.29	5.68	6.52	-115.44	2,359.95	1,005.25	2,617.42	2,605.30	12.12	216.046		
1,200.00	1,191.63	1,661.65	1,657.38	6.08	8.08	-116.19	2,313.61	1,003.41	2,611.89	2,598.19	13.70	190.628		
1,300.00	1,290.17	1,875.21	1,865.23	6.49	9.39	-116.51	2,264.69	1,004.89	2,597.38	2,582.40	14.97	173.473		
1,400.00	1,388.71	2,007.41	1,993.01	6.91	10.26	-116.65	2,230.83	1,007.10	2,581.27	2,565.31	15.96	161.772		
1,500.00	1,487.25	2,195.41	2,173.29	7.34	11.56	-116.83	2,177.62	1,009.75	2,562.26	2,545.08	17.18	149.142		
1,600.00	1,585.79	2,469.03	2,431.21	7.77	13.69	-117.07	2,086.58	1,009.87	2,537.46	2,518.72	18.73	135.441		
1,700.00	1,684.34	2,768.52	2,704.74	8.22	16.53	-117.13	1,965.01	1,010.29	2,505.77	2,485.34	20.43	122.646		
1,800.00	1,782.88	2,800.00	2,733.00	8.66	16.86	-117.13	1,951.14	1,010.14	2,471.89	2,450.78	21.12	117.068		
1,900.00	1,881.42	2,863.62	2,790.67	9.12	17.46	-117.15	1,924.28	1,009.82	2,439.40	2,417.48	21.92	111.279		
2,000.00	1,979.96	3,006.16	2,921.20	9.57	18.76	-117.21	1,867.05	1,009.17	2,409.14	2,386.13	23.01	104.694		
2,100.00	2,078.50	3,086.42	2,994.05	10.03	19.52	-117.24	1,833.38	1,008.63	2,376.47	2,352.57	23.90	99.444		
2,200.00	2,177.04	3,145.35	3,047.80	10.49	20.04	-117.26	1,809.23	1,008.15	2,344.73	2,320.02	24.71	94.887		
2,300.00	2,275.58	3,201.07	3,099.10	10.95	20.53	-117.31	1,787.49	1,007.25	2,314.61	2,289.09	25.52	90.709		
2,400.00	2,374.12	3,325.98	3,214.20	11.42	21.57	-117.44	1,739.06	1,004.57	2,284.50	2,257.97	26.53	86.106		
2,500.00	2,472.66	3,400.00	3,282.34	11.89	22.19	-117.53	1,710.20	1,002.42	2,254.08	2,226.69	27.39	82.284		
2,600.00	2,571.20	3,467.49	3,344.76	12.36	22.73	-117.62	1,684.61	1,000.48	2,224.75	2,196.51	28.24	78.784		
2,700.00	2,669.74	3,541.02	3,413.23	12.83	23.30	-117.71	1,657.85	999.07	2,197.02	2,167.92	29.11	75.486		
2,800.00	2,768.28	3,636.61	3,502.20	13.30	24.03	-117.81	1,622.93	998.16	2,169.57	2,139.52	30.04	72.216		
2,900.00	2,866.83	3,739.88	3,598.28	13.78	24.82	-117.91	1,585.07	997.65	2,142.14	2,111.13	31.01	69.074		
3,000.00	2,965.37	3,864.36	3,713.45	14.25	25.80	-117.98	1,537.83	998.22	2,113.76	2,081.71	32.05	65.944		
3,100.00	3,063.91	3,996.03	3,834.40	14.73	26.90	-118.03	1,485.81	999.17	2,083.97	2,050.84	33.12	62.916		
3,200.00	3,162.45	4,112.91	3,941.02	15.20	27.92	-118.07	1,437.94	999.65	2,052.60	2,018.44	34.15	60.098		
3,300.00	3,260.99	4,183.58	4,005.72	15.68	28.52	-118.12	1,409.51	998.86	2,021.49	1,986.42	35.07	57.645		
3,400.00	3,359.53	4,291.96	4,105.26	16.16	29.42	-118.25	1,366.70	996.71	1,990.84	1,954.80	36.04	55.234		
3,500.00	3,458.07	4,380.54	4,186.48	16.64	30.16	-118.36	1,331.40	994.78	1,959.79	1,922.81	36.99	52.989		
3,600.00	3,556.61	4,479.99	4,277.77	17.12	30.99	-118.50	1,292.02	992.41	1,928.91	1,890.97	37.94	50.840		
3,700.00	3,655.15	4,637.32	4,420.87	17.60	32.37	-118.73	1,226.86	987.43	1,895.81	1,856.85	38.95	48.668		
3,800.00	3,753.69	4,716.36	4,492.45	18.08	33.09	-118.85	1,193.47	984.47	1,861.95	1,822.05	39.89	46.676		
3,900.00	3,852.23	4,781.26	4,551.62	18.56	33.65	-118.98	1,166.96	981.79	1,829.32	1,788.50	40.81	44.823		
4,000.00	3,950.77	4,843.50	4,608.82	19.04	34.16	-119.12	1,142.56	979.13	1,798.29	1,756.56	41.72	43.100		
4,100.00	4,049.31	4,906.15	4,666.83	19.52	34.65	-119.25	1,118.99	976.97	1,769.06	1,726.43	42.63	41.499		
4,200.00	4,147.86	4,980.26	4,735.82	20.00	35.20	-119.41	1,091.99	975.05	1,741.30	1,697.76	43.54	39.993		
4,300.00	4,246.40	5,052.89	4,803.73	20.49	35.71	-119.56	1,066.29	973.67	1,714.80	1,670.36	44.45	38.581		
4,400.00	4,344.94	5,119.41	4,866.26	20.97	36.16	-119.70	1,043.63	972.59	1,689.74	1,644.40	45.34	37.270		
4,500.00	4,443.48	5,175.54	4,919.43	21.45	36.51	-119.82	1,025.64	972.12	1,666.85	1,620.65	46.20	36.082		
4,600.00	4,542.02	5,226.61	4,968.18	21.94	36.80	-119.93	1,010.42	972.07	1,646.47	1,599.46	47.01	35.021		
4,700.00	4,640.56	5,273.86	5,013.71	22.42	37.04	-120.05	997.80	972.09	1,629.10	1,581.32	47.78	34.094		
4,800.00	4,739.10	5,326.97	5,065.32	22.91	37.29	-120.20	985.29	972.11	1,614.76	1,566.24	48.52	33.279		
4,900.00	4,837.64	5,400.00	5,136.76	23.39	37.59	-120.44	970.15	972.01	1,603.05	1,553.75	49.30	32.517		
5,000.00	4,936.18	5,450.58	5,186.48	23.87	37.78	-120.62	960.90	971.80	1,593.53	1,543.58	49.95	31.903		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #31-5D - 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				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,100.00	5,034.72	5,516.67	5,251.70	24.36	38.01	-120.88	950.19	971.34	1,586.32	1,535.68	50.63	31.330	CC, ES			
5,200.00	5,133.26	5,587.84	5,322.14	24.84	38.25	-121.19	940.04	970.74	1,581.05	1,529.74	51.32	30.810				
5,300.00	5,231.80	5,667.96	5,401.61	25.33	38.50	-121.54	929.93	969.95	1,577.40	1,525.37	52.03	30.317				
5,400.00	5,330.34	5,746.63	5,479.77	25.82	38.74	-121.91	921.00	968.90	1,575.01	1,522.29	52.72	29.873				
5,500.00	5,428.89	5,821.55	5,554.31	26.30	38.97	-122.29	913.65	967.65	1,574.13	1,520.76	53.38	29.491				
5,501.05	5,429.92	5,822.30	5,555.06	26.31	38.97	-122.29	913.58	967.64	1,574.13	1,520.75	53.38	29.487				
5,600.00	5,527.43	5,892.67	5,625.20	26.79	39.17	-122.66	907.93	966.37	1,575.05	1,521.07	53.99	29.175				
5,700.00	5,625.97	5,976.23	5,708.56	27.27	39.41	-123.10	902.47	964.70	1,577.50	1,522.84	54.67	28.856				
5,800.00	5,724.51	6,060.97	5,793.14	27.76	39.64	-123.57	897.75	962.79	1,580.97	1,525.62	55.35	28.563				
5,900.00	5,823.05	6,142.84	5,874.91	28.24	39.87	-124.03	893.99	960.85	1,585.52	1,529.51	56.01	28.310				
6,000.00	5,921.59	6,218.29	5,950.28	28.73	40.08	-124.46	891.46	959.00	1,591.41	1,534.81	56.60	28.118				
6,100.00	6,020.13	6,283.26	6,015.23	29.22	40.25	-124.85	890.56	957.23	1,599.29	1,542.22	57.08	28.021				
6,200.00	6,118.67	6,355.94	6,087.88	29.70	40.45	-125.28	890.98	955.30	1,609.22	1,551.62	57.60	27.938				
6,300.00	6,217.21	6,443.55	6,175.46	30.19	40.69	-125.77	892.46	953.81	1,620.56	1,562.29	58.26	27.814				
6,400.00	6,315.75	6,558.01	6,289.89	30.68	41.01	-126.41	894.08	951.86	1,631.81	1,572.62	59.20	27.565				
6,500.00	6,414.29	6,646.48	6,378.35	31.16	41.25	-126.90	894.67	950.16	1,642.49	1,582.60	59.88	27.428				
6,582.51	6,495.60	6,708.49	6,440.34	31.57	41.43	-127.22	895.93	949.43	1,652.52	1,592.18	60.34	27.389				
6,600.00	6,512.86	6,734.95	6,466.79	31.65	41.50	-135.06	896.50	949.16	1,654.73	1,594.16	60.57	27.320				
6,650.00	6,562.39	6,811.13	6,542.96	31.88	41.72	-166.24	897.32	948.22	1,660.98	1,599.75	61.22	27.130				
6,700.00	6,611.96	6,865.87	6,597.69	32.08	41.87	160.34	897.40	947.68	1,667.43	1,605.77	61.66	27.041				
6,750.00	6,661.26	6,916.28	6,648.10	32.27	42.02	139.14	897.25	947.39	1,674.29	1,612.23	62.06	26.978				
6,800.00	6,709.99	6,956.12	6,687.94	32.44	42.13	127.37	897.28	947.11	1,681.90	1,619.53	62.37	26.967				
6,850.00	6,757.84	6,995.27	6,727.09	32.61	42.24	120.32	897.54	946.71	1,690.36	1,627.68	62.68	26.967				
6,900.00	6,804.53	7,037.17	6,768.98	32.77	42.37	115.73	898.02	946.14	1,699.61	1,636.57	63.04	26.960				
6,950.00	6,849.77	7,078.41	6,810.21	32.92	42.49	112.49	898.62	945.40	1,709.61	1,646.20	63.42	26.958	SF			
7,000.00	6,893.27	7,118.35	6,850.14	33.07	42.60	110.06	899.33	944.54	1,720.39	1,656.58	63.81	26.962				
7,050.00	6,934.77	7,156.75	6,888.52	33.23	42.71	108.13	900.12	943.58	1,731.99	1,667.77	64.22	26.971				
7,100.00	6,974.01	7,193.28	6,925.02	33.39	42.82	106.52	900.97	942.57	1,744.43	1,679.79	64.65	26.984				
7,150.00	7,010.75	7,227.04	6,958.76	33.55	42.92	105.09	901.84	941.58	1,757.79	1,692.70	65.09	27.004				
7,200.00	7,044.77	7,258.28	6,989.97	33.72	43.01	103.75	902.71	940.65	1,772.10	1,706.54	65.56	27.029				
7,250.00	7,075.85	7,286.96	7,018.63	33.92	43.10	102.45	903.57	939.79	1,787.41	1,721.35	66.06	27.057				
7,300.00	7,103.80	7,314.24	7,045.88	34.13	43.18	101.16	904.44	938.96	1,803.73	1,737.13	66.60	27.083				
7,350.00	7,128.45	7,339.87	7,071.48	34.38	43.25	99.85	905.29	938.11	1,821.04	1,753.86	67.18	27.107				
7,400.00	7,149.65	7,350.00	7,081.60	34.67	43.28	98.08	905.64	937.75	1,839.37	1,771.71	67.67	27.183				
7,450.00	7,167.26	7,350.00	7,081.60	35.00	43.28	95.94	905.64	937.75	1,858.86	1,790.75	68.11	27.292				
7,500.00	7,181.19	7,350.00	7,081.60	35.38	43.28	93.75	905.64	937.75	1,879.37	1,810.76	68.60	27.394				
7,550.00	7,191.34	7,350.00	7,081.60	35.81	43.28	91.51	905.64	937.75	1,900.74	1,831.60	69.15	27.489				
7,600.00	7,197.65	7,350.00	7,081.60	36.28	43.28	89.24	905.64	937.75	1,922.83	1,853.10	69.73	27.577				
7,650.00	7,200.08	7,350.00	7,081.60	36.80	43.28	86.96	905.64	937.75	1,945.46	1,875.12	70.34	27.658				
7,667.87	7,200.00	7,350.00	7,081.60	36.99	43.28	86.14	905.64	937.75	1,953.65	1,883.08	70.57	27.685				
7,700.00	7,199.42	7,350.00	7,081.60	37.35	43.28	86.14	905.64	937.75	1,968.63	1,897.65	70.98	27.734				
7,800.00	7,197.60	7,350.00	7,081.60	38.62	43.28	86.14	905.64	937.75	2,017.81	1,945.50	72.30	27.907				
7,900.00	7,195.78	7,350.00	7,081.60	40.06	43.28	86.14	905.64	937.75	2,070.65	1,997.00	73.65	28.116				
8,000.00	7,193.97	7,350.00	7,081.60	41.66	43.28	86.14	905.64	937.75	2,126.89	2,051.90	74.98	28.365				
8,100.00	7,192.15	7,350.00	7,081.60	43.40	43.28	86.14	905.64	937.75	2,186.25	2,109.96	76.29	28.656				
8,200.00	7,190.33	7,350.00	7,081.60	45.25	43.28	86.14	905.64	937.75	2,248.50	2,170.93	77.57	28.988				
8,300.00	7,188.51	7,350.00	7,081.60	47.20	43.28	86.14	905.64	937.75	2,313.39	2,234.60	78.79	29.361				
8,400.00	7,186.70	7,350.00	7,081.60	49.25	43.28	86.14	905.64	937.75	2,380.72	2,300.76	79.96	29.773				
8,500.00	7,184.88	7,350.00	7,081.60	51.37	43.28	86.14	905.64	937.75	2,450.28	2,369.21	81.07	30.223				
8,600.00	7,183.06	7,350.00	7,081.60	53.56	43.28	86.14	905.64	937.75	2,521.89	2,439.77	82.13	30.707				
8,700.00	7,181.24	7,350.00	7,081.60	55.81	43.28	86.14	905.64	937.75	2,595.38	2,512.26	83.12	31.224				
8,800.00	7,179.43	7,350.00	7,081.60	58.11	43.28	86.14	905.64	937.75	2,670.59	2,586.53	84.06	31.771				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	7,350.00	7,081.60	60.46	43.28	86.14	905.64	937.75	2,747.38	2,662.44	84.94	32.345		
9,000.00	7,175.79	7,350.00	7,081.60	62.85	43.28	86.14	905.64	937.75	2,825.62	2,739.86	85.77	32.946		
9,100.00	7,173.98	7,350.00	7,081.60	65.28	43.28	86.14	905.64	937.75	2,905.20	2,818.66	86.54	33.570		
9,200.00	7,172.16	7,350.00	7,081.60	67.74	43.28	86.14	905.64	937.75	2,986.01	2,898.74	87.27	34.216		
9,300.00	7,170.34	7,350.00	7,081.60	70.23	43.28	86.14	905.64	937.75	3,067.95	2,979.99	87.95	34.881		
9,400.00	7,168.52	7,350.00	7,081.60	72.74	43.28	86.14	905.64	937.75	3,150.93	3,062.33	88.59	35.566		
9,500.00	7,166.71	7,350.00	7,081.60	75.28	43.28	86.14	905.64	937.75	3,234.87	3,145.68	89.20	36.266		
9,600.00	7,164.89	7,350.00	7,081.60	77.84	43.28	86.14	905.64	937.75	3,319.71	3,229.94	89.76	36.983		
9,700.00	7,163.07	7,350.00	7,081.60	80.43	43.28	86.14	905.64	937.75	3,405.36	3,315.07	90.30	37.714		
9,800.00	7,161.26	7,350.00	7,081.60	83.02	43.28	86.14	905.64	937.75	3,491.78	3,400.99	90.80	38.457		
9,900.00	7,159.44	7,350.00	7,081.60	85.64	43.28	86.14	905.64	937.75	3,578.91	3,487.64	91.27	39.213		
10,000.00	7,157.62	7,350.00	7,081.60	88.27	43.28	86.14	905.64	937.75	3,666.70	3,574.98	91.71	39.980		
10,100.00	7,155.80	7,350.00	7,081.60	90.91	43.28	86.14	905.64	937.75	3,755.09	3,662.96	92.13	40.758		
10,200.00	7,153.99	7,350.00	7,081.60	93.56	43.28	86.14	905.64	937.75	3,844.05	3,751.53	92.53	41.544		
10,300.00	7,152.17	7,350.00	7,081.60	96.23	43.28	86.14	905.64	937.75	3,933.55	3,840.64	92.90	42.340		
10,400.00	7,150.35	7,350.00	7,081.60	98.90	43.28	86.14	905.64	937.75	4,023.54	3,930.28	93.26	43.143		
10,500.00	7,148.54	7,350.00	7,081.60	101.59	43.28	86.14	905.64	937.75	4,113.99	4,020.39	93.60	43.954		
10,600.00	7,146.72	7,350.00	7,081.60	104.28	43.28	86.14	905.64	937.75	4,204.87	4,110.96	93.92	44.772		
10,700.00	7,144.90	7,350.00	7,081.60	106.98	43.28	86.14	905.64	937.75	4,296.16	4,201.94	94.22	45.597		
10,800.00	7,143.08	7,350.00	7,081.60	109.69	43.28	86.14	905.64	937.75	4,387.83	4,293.32	94.51	46.427		
10,900.00	7,141.27	7,350.00	7,081.60	112.41	43.28	86.14	905.64	937.75	4,479.86	4,385.07	94.79	47.263		
11,000.00	7,139.45	7,350.00	7,081.60	115.13	43.28	86.14	905.64	937.75	4,572.22	4,477.17	95.05	48.104		
11,100.00	7,137.63	7,350.00	7,081.60	117.86	43.28	86.14	905.64	937.75	4,664.89	4,569.59	95.30	48.950		
11,200.00	7,135.82	7,350.00	7,081.60	120.59	43.28	86.14	905.64	937.75	4,757.86	4,662.32	95.54	49.800		
11,300.00	7,134.00	7,350.00	7,081.60	123.33	43.28	86.14	905.64	937.75	4,851.11	4,755.34	95.77	50.654		
11,400.00	7,132.18	7,350.00	7,081.60	126.07	43.28	86.14	905.64	937.75	4,944.63	4,848.64	95.99	51.512		
11,500.00	7,130.36	7,350.00	7,081.60	128.82	43.28	86.14	905.64	937.75	5,038.39	4,942.19	96.20	52.374		
11,600.00	7,128.55	7,350.00	7,081.60	131.57	43.28	86.14	905.64	937.75	5,132.39	5,035.99	96.40	53.238		
11,700.00	7,126.73	7,350.00	7,081.60	134.33	43.28	86.14	905.64	937.75	5,226.62	5,130.02	96.60	54.106		
11,800.00	7,124.91	7,350.00	7,081.60	137.09	43.28	86.14	905.64	937.75	5,321.05	5,224.26	96.79	54.976		
11,900.00	7,123.10	7,350.00	7,081.60	139.85	43.28	86.14	905.64	937.75	5,415.68	5,318.71	96.97	55.849		
12,000.00	7,121.28	7,350.00	7,081.60	142.62	43.28	86.14	905.64	937.75	5,510.50	5,413.36	97.14	56.725		
12,100.00	7,119.46	7,350.00	7,081.60	145.39	43.28	86.14	905.64	937.75	5,605.51	5,508.19	97.31	57.603		
12,200.00	7,117.64	7,350.00	7,081.60	148.16	43.28	86.14	905.64	937.75	5,700.68	5,603.20	97.48	58.482		
12,300.00	7,115.83	7,350.00	7,081.60	150.94	43.28	86.14	905.64	937.75	5,796.02	5,698.38	97.64	59.364		
12,400.00	7,114.01	7,350.00	7,081.60	153.72	43.28	86.14	905.64	937.75	5,891.51	5,793.72	97.79	60.247		
12,500.00	7,112.19	7,350.00	7,081.60	156.50	43.28	86.14	905.64	937.75	5,987.15	5,889.21	97.94	61.132		
12,600.00	7,110.37	7,350.00	7,081.60	159.28	43.28	86.14	905.64	937.75	6,082.92	5,984.84	98.08	62.018		
12,700.00	7,108.56	7,350.00	7,081.60	162.07	43.28	86.14	905.64	937.75	6,178.84	6,080.61	98.22	62.906		
12,800.00	7,106.74	7,350.00	7,081.60	164.86	43.28	86.14	905.64	937.75	6,274.88	6,176.51	98.36	63.794		
12,900.00	7,104.92	7,350.00	7,081.60	167.65	43.28	86.14	905.64	937.75	6,371.04	6,272.54	98.49	64.684		
13,000.00	7,103.11	7,350.00	7,081.60	170.44	43.28	86.14	905.64	937.75	6,467.32	6,368.69	98.62	65.575		
13,100.00	7,101.29	7,350.00	7,081.60	173.23	43.28	86.14	905.64	937.75	6,563.70	6,464.95	98.75	66.467		
13,200.00	7,099.47	7,350.00	7,081.60	176.03	43.28	86.14	905.64	937.75	6,660.20	6,561.32	98.88	67.359		
13,300.00	7,097.65	7,350.00	7,081.60	178.82	43.28	86.14	905.64	937.75	6,756.80	6,657.80	99.00	68.253		
13,400.00	7,095.84	7,350.00	7,081.60	181.62	43.28	86.14	905.64	937.75	6,853.49	6,754.38	99.12	69.146		
13,500.00	7,094.02	7,350.00	7,081.60	184.42	43.28	86.14	905.64	937.75	6,950.28	6,851.05	99.23	70.041		
13,600.00	7,092.20	7,350.00	7,081.60	187.22	43.28	86.14	905.64	937.75	7,047.16	6,947.81	99.35	70.935		
13,700.00	7,090.39	7,350.00	7,081.60	190.03	43.28	86.14	905.64	937.75	7,144.12	7,044.67	99.46	71.831		
13,800.00	7,088.57	7,350.00	7,081.60	192.83	43.28	86.14	905.64	937.75	7,241.17	7,141.60	99.57	72.726		
13,900.00	7,086.75	7,350.00	7,081.60	195.64	43.28	86.14	905.64	937.75	7,338.30	7,238.62	99.68	73.622		
14,000.00	7,084.93	7,350.00	7,081.60	198.44	43.28	86.14	905.64	937.75	7,435.50	7,335.72	99.78	74.517		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #31-5D - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	7,083.12	7,350.00	7,081.60	201.25	43.28	86.14	905.64	937.75	7,532.78	7,432.89	99.89	75.413	
14,200.00	7,081.30	7,350.00	7,081.60	204.06	43.28	86.14	905.64	937.75	7,630.12	7,530.13	99.99	76.309	
14,300.00	7,079.48	7,350.00	7,081.60	206.87	43.28	86.14	905.64	937.75	7,727.54	7,627.45	100.09	77.205	
14,400.00	7,077.67	7,350.00	7,081.60	209.68	43.28	86.14	905.64	937.75	7,825.02	7,724.82	100.19	78.101	
14,500.00	7,075.85	7,350.00	7,081.60	212.49	43.28	86.14	905.64	937.75	7,922.56	7,822.27	100.29	78.997	
14,600.00	7,074.03	7,350.00	7,081.60	215.31	43.28	86.14	905.64	937.75	8,020.16	7,919.77	100.39	79.892	
14,700.00	7,072.21	7,350.00	7,081.60	218.12	43.28	86.14	905.64	937.75	8,117.82	8,017.34	100.48	80.788	
14,800.00	7,070.40	7,350.00	7,081.60	220.93	43.28	86.14	905.64	937.75	8,215.54	8,114.96	100.58	81.683	
14,900.00	7,068.58	7,350.00	7,081.60	223.75	43.28	86.14	905.64	937.75	8,313.31	8,212.64	100.67	82.577	
15,000.00	7,066.76	7,350.00	7,081.60	226.57	43.28	86.14	905.64	937.75	8,411.13	8,310.37	100.77	83.472	
15,100.00	7,064.95	7,350.00	7,081.60	229.38	43.28	86.14	905.64	937.75	8,509.01	8,408.15	100.86	84.366	
15,200.00	7,063.13	7,350.00	7,081.60	232.20	43.28	86.14	905.64	937.75	8,606.93	8,505.98	100.95	85.259	
15,300.00	7,061.31	7,350.00	7,081.60	235.02	43.28	86.14	905.64	937.75	8,704.90	8,603.86	101.04	86.152	
15,400.00	7,059.49	7,350.00	7,081.60	237.84	43.28	86.14	905.64	937.75	8,802.92	8,701.79	101.13	87.045	
15,500.00	7,057.68	7,350.00	7,081.60	240.66	43.28	86.14	905.64	937.75	8,900.98	8,799.76	101.22	87.937	
15,600.00	7,055.86	7,350.00	7,081.60	243.48	43.28	86.14	905.64	937.75	8,999.08	8,897.77	101.31	88.828	
15,647.29	7,055.00	7,350.00	7,081.60	244.81	43.28	86.14	905.64	937.75	9,045.49	8,944.14	101.35	89.250	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	2,141.70	2,044.03	3.28	26.90	92.78	-251.44	5,170.00	5,583.65					
100.00	100.00	2,200.00	2,096.33	3.28	28.23	92.62	-235.79	5,149.54	5,546.24	5,524.90	21.34	259.878		
200.00	200.00	2,255.56	2,146.10	3.34	29.49	92.46	-220.14	5,130.45	5,509.49	5,487.33	22.16	248.669		
300.00	300.00	2,300.00	2,185.87	3.44	30.49	92.31	-206.74	5,115.81	5,473.74	5,450.87	22.87	239.317		
400.00	399.98	2,342.37	2,204.37	3.60	35.82	-44.98	-142.85	5,032.88	5,436.75	5,410.58	26.16	207.798		
500.00	499.84	2,384.82	2,246.12	3.79	38.24	-45.98	-115.93	4,996.11	5,395.58	5,367.83	27.75	194.467		
600.00	599.45	2,425.85	2,283.19	4.03	45.69	-47.90	-32.55	4,894.89	5,350.01	5,317.48	32.53	164.476		
700.00	698.70	2,466.25	2,324.72	4.30	46.05	-48.78	-27.87	4,889.53	5,302.45	5,269.33	33.12	160.104		
790.00	787.61	2,503.98	2,366.39	4.57	46.70	-49.67	-20.22	4,880.75	5,258.82	5,224.92	33.90	155.131		
800.00	797.47	2,506.61	2,368.69	4.60	46.77	-49.68	-19.38	4,879.79	5,253.93	5,219.94	33.99	154.555		
900.00	896.01	3,000.00	2,806.89	4.94	47.96	-49.92	-5.93	4,864.21	5,205.75	5,170.55	35.19	147.921		
1,000.00	994.55	3,000.00	2,806.89	5.30	47.96	-49.92	-5.93	4,864.21	5,158.51	5,122.84	35.67	144.601		
1,100.00	1,093.09	3,049.55	2,850.96	5.68	49.11	-50.19	8.79	4,847.00	5,112.26	5,075.33	36.93	138.416		
1,200.00	1,191.63	3,100.00	2,896.20	6.08	50.28	-50.46	23.25	4,829.99	5,067.07	5,028.83	38.24	132.493		
1,300.00	1,290.17	3,231.87	3,014.27	6.49	53.28	-51.18	60.78	4,784.81	5,021.79	4,981.03	40.75	123.221		
1,400.00	1,388.71	3,287.78	3,064.49	6.91	54.56	-51.48	75.98	4,765.49	4,976.64	4,934.46	42.18	117.987		
1,500.00	1,487.25	3,300.00	3,075.50	7.34	54.84	-51.54	79.19	4,761.30	4,932.46	4,889.45	43.01	114.695		
1,600.00	1,585.79	3,349.66	3,120.60	7.77	55.81	-51.80	91.73	4,744.71	4,889.17	4,844.89	44.28	110.423		
1,700.00	1,684.34	3,400.00	3,166.86	8.22	56.80	-52.05	103.59	4,728.81	4,847.34	4,801.77	45.58	106.359		
1,800.00	1,782.88	3,440.16	3,203.93	8.66	57.51	-52.25	112.80	4,716.41	4,806.38	4,759.65	46.73	102.854		
1,900.00	1,881.42	3,536.72	3,292.69	9.12	59.25	-52.75	135.82	4,686.14	4,765.48	4,716.91	48.57	98.121		
2,000.00	1,979.96	3,600.00	3,350.74	9.57	60.41	-53.08	151.62	4,666.53	4,725.17	4,675.09	50.08	94.354		
2,100.00	2,078.50	3,656.83	3,403.04	10.03	61.39	-53.39	165.50	4,649.18	4,685.57	4,634.08	51.49	91.001		
2,200.00	2,177.04	3,700.00	3,443.03	10.49	62.14	-53.61	175.27	4,636.17	4,646.72	4,593.96	52.76	88.079		
2,300.00	2,275.58	3,752.39	3,491.85	10.95	62.93	-53.87	186.45	4,620.80	4,608.81	4,554.76	54.05	85.275		
2,400.00	2,374.12	4,253.48	3,947.86	11.42	73.26	-56.70	306.36	4,453.81	4,566.34	4,505.02	61.32	74.464		
2,500.00	2,472.66	4,300.00	3,988.41	11.89	74.57	-57.03	321.26	4,436.55	4,522.24	4,459.09	63.16	71.602		
2,600.00	2,571.20	4,300.00	3,988.41	12.36	74.57	-57.03	321.26	4,436.55	4,479.55	4,415.44	64.11	69.869		
2,700.00	2,669.74	4,353.87	4,035.68	12.83	75.91	-57.42	338.51	4,417.30	4,437.75	4,371.69	66.06	67.179		
2,800.00	2,768.28	4,400.00	4,076.71	13.30	77.06	-57.74	352.76	4,401.77	4,397.70	4,329.82	67.88	64.787		
2,900.00	2,866.83	4,400.00	4,076.71	13.78	77.06	-57.74	352.76	4,401.77	4,358.86	4,290.00	68.86	63.300		
3,000.00	2,965.37	4,452.99	4,124.40	14.25	78.13	-58.10	368.41	4,384.78	4,321.32	4,250.67	70.65	61.161		
3,100.00	3,063.91	4,500.00	4,167.15	14.73	79.08	-58.41	381.52	4,370.29	4,285.07	4,212.71	72.36	59.215		
3,200.00	3,162.45	4,612.55	4,269.65	15.20	81.22	-59.16	412.51	4,335.63	4,249.33	4,174.34	74.99	56.668		
3,300.00	3,260.99	4,693.07	4,342.89	15.68	82.78	-59.71	434.60	4,310.52	4,213.68	4,136.49	77.19	54.587		
3,400.00	3,359.53	4,839.66	4,476.16	16.16	85.71	-60.70	473.47	4,263.41	4,177.34	4,096.96	80.38	51.968		
3,500.00	3,458.07	5,063.58	4,677.74	16.64	90.66	-62.31	534.78	4,187.69	4,141.02	4,055.98	85.04	48.695		
3,600.00	3,556.61	5,197.37	4,796.13	17.12	94.09	-63.34	573.09	4,138.55	4,102.18	4,013.53	88.65	46.274		
3,700.00	3,655.15	5,322.47	4,906.16	17.60	97.48	-64.33	609.00	4,091.05	4,062.81	3,970.55	92.27	44.034		
3,800.00	3,753.69	5,395.80	4,970.95	18.08	99.45	-64.90	628.94	4,063.10	4,023.77	3,928.88	94.90	42.402		
3,900.00	3,852.23	5,489.57	5,054.17	18.56	101.89	-65.63	653.33	4,027.45	3,985.19	3,887.36	97.84	40.733		
4,000.00	3,950.77	5,659.57	5,205.33	19.04	106.33	-66.93	693.02	3,960.61	3,945.19	3,843.29	101.90	38.715		
4,100.00	4,049.31	5,700.00	5,241.71	19.52	107.36	-67.23	700.91	3,944.84	3,905.92	3,802.02	103.90	37.592		
4,200.00	4,147.86	5,755.87	5,292.42	20.00	108.56	-67.62	711.03	3,923.67	3,867.76	3,761.80	105.96	36.503		
4,300.00	4,246.40	6,000.00	5,513.32	20.49	114.29	-69.41	755.10	3,829.73	3,830.56	3,720.21	110.35	34.712		
4,400.00	4,344.94	6,035.69	5,545.21	20.97	115.13	-69.68	761.71	3,815.12	3,790.77	3,678.43	112.34	33.744		
4,500.00	4,443.48	6,067.01	5,573.58	21.45	115.86	-69.91	766.90	3,802.90	3,752.57	3,638.29	114.27	32.839		
4,600.00	4,542.02	6,100.00	5,603.82	21.94	116.64	-70.14	771.74	3,790.65	3,715.94	3,599.73	116.21	31.975		
4,700.00	4,640.56	6,100.00	5,603.82	22.42	116.64	-70.14	771.74	3,790.65	3,681.29	3,563.54	117.75	31.263		
4,800.00	4,739.10	6,152.77	5,652.93	22.91	117.45	-70.50	778.44	3,772.57	3,647.83	3,528.23	119.59	30.502		
4,900.00	4,837.64	6,200.00	5,697.61	23.39	118.19	-70.79	783.52	3,758.13	3,616.62	3,495.24	121.38	29.796		
5,000.00	4,936.18	6,200.00	5,697.61	23.87	118.19	-70.79	783.52	3,758.13	3,586.95	3,464.10	122.85	29.199		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	6,256.14	5,751.47	24.36	118.70	-71.10	787.79	3,742.92	3,558.91	3,434.54	124.37	28.616		
5,200.00	5,133.26	6,300.00	5,794.01	24.84	119.10	-71.31	789.39	3,732.39	3,532.40	3,406.57	125.83	28.073		
5,300.00	5,231.80	6,336.03	5,829.19	25.33	119.28	-71.47	789.86	3,724.65	3,507.47	3,380.35	127.13	27.590		
5,400.00	5,330.34	6,372.07	5,864.56	25.82	119.45	-71.62	789.92	3,717.72	3,484.28	3,355.89	128.39	27.138		
5,500.00	5,428.89	6,400.00	5,892.08	26.30	119.59	-71.72	789.67	3,712.91	3,462.85	3,333.23	129.63	26.714		
5,600.00	5,527.43	6,441.74	5,933.33	26.79	119.70	-71.87	789.20	3,706.57	3,443.19	3,312.43	130.75	26.333		
5,700.00	5,625.97	6,500.00	5,991.12	27.27	119.86	-72.08	788.81	3,699.26	3,425.64	3,293.82	131.83	25.986		
5,800.00	5,724.51	6,500.00	5,991.12	27.76	119.86	-72.08	788.81	3,699.26	3,409.53	3,276.59	132.94	25.646		
5,900.00	5,823.05	6,534.26	6,025.22	28.24	119.92	-72.20	788.82	3,695.95	3,395.66	3,261.71	133.95	25.351		
6,000.00	5,921.59	6,560.89	6,051.77	28.73	119.96	-72.29	789.01	3,693.98	3,383.96	3,249.05	134.91	25.084		
6,100.00	6,020.13	6,600.00	6,090.84	29.22	120.02	-72.42	789.59	3,692.05	3,374.49	3,238.67	135.82	24.846		
6,200.00	6,118.67	6,637.18	6,127.99	29.70	120.06	-72.54	790.25	3,690.90	3,366.85	3,230.18	136.67	24.635		
6,300.00	6,217.21	6,708.43	6,199.22	30.19	120.13	-72.76	791.16	3,689.41	3,360.36	3,222.84	137.52	24.435		
6,400.00	6,315.75	6,803.86	6,294.63	30.68	120.23	-73.05	792.12	3,687.97	3,354.38	3,216.00	138.38	24.240		
6,500.00	6,414.29	6,915.89	6,406.65	31.16	120.34	-73.40	793.09	3,686.15	3,348.33	3,209.07	139.26	24.043		
6,582.51	6,495.60	6,996.92	6,487.65	31.57	120.42	-73.65	793.86	3,684.63	3,343.26	3,203.28	139.98	23.884		
6,600.00	6,512.86	7,012.12	6,502.85	31.65	120.44	-81.17	794.03	3,684.33	3,342.41	3,202.28	140.13	23.853		
6,624.55	6,537.16	7,032.83	6,523.56	31.76	120.46	-94.62	794.29	3,683.93	3,341.97	3,201.65	140.32	23.816 CC, ES		
6,650.00	6,562.39	7,054.35	6,545.07	31.88	120.48	-111.69	794.60	3,683.52	3,342.44	3,201.92	140.52	23.786		
6,700.00	6,611.96	7,096.63	6,587.34	32.08	120.52	-144.77	795.29	3,682.74	3,346.12	3,205.25	140.86	23.754		
6,750.00	6,661.26	7,145.84	6,636.53	32.27	120.58	-165.86	796.27	3,681.82	3,353.35	3,212.18	141.18	23.753 SF		
6,800.00	6,709.99	7,195.14	6,685.80	32.44	120.63	-177.66	797.42	3,680.79	3,364.04	3,222.59	141.45	23.783		
6,850.00	6,757.84	7,251.69	6,742.33	32.61	120.69	175.12	798.80	3,679.50	3,378.05	3,236.35	141.70	23.840		
6,900.00	6,804.53	7,307.96	6,798.56	32.77	120.76	170.17	800.01	3,678.13	3,395.22	3,253.32	141.91	23.926		
6,950.00	6,849.77	7,349.98	6,840.56	32.92	120.81	166.39	800.86	3,677.10	3,415.57	3,273.51	142.06	24.043		
7,000.00	6,893.27	7,392.00	6,882.56	33.07	120.85	163.23	801.69	3,676.11	3,439.01	3,296.83	142.18	24.187		
7,050.00	6,934.77	7,433.27	6,923.81	33.23	120.90	160.38	802.45	3,675.19	3,465.41	3,323.13	142.27	24.357		
7,100.00	6,974.01	7,472.60	6,963.14	33.39	120.94	157.62	803.06	3,674.38	3,494.59	3,352.26	142.33	24.554		
7,150.00	7,010.75	7,507.92	6,998.45	33.55	120.98	154.80	803.51	3,673.70	3,526.39	3,384.05	142.34	24.774		
7,200.00	7,044.77	7,536.49	7,027.01	33.72	121.01	151.75	803.87	3,673.20	3,560.67	3,418.35	142.32	25.019		
7,250.00	7,075.85	7,562.57	7,053.08	33.92	121.04	148.35	804.20	3,672.72	3,597.23	3,454.96	142.27	25.285		
7,300.00	7,103.80	7,586.01	7,076.52	34.13	121.07	144.46	804.51	3,672.45	3,635.85	3,493.66	142.19	25.570		
7,350.00	7,128.45	7,609.22	7,099.72	34.38	121.09	139.95	804.82	3,672.15	3,676.28	3,534.19	142.09	25.872		
7,400.00	7,149.65	7,633.81	7,124.31	34.67	121.12	134.70	805.10	3,671.84	3,718.25	3,576.27	141.98	26.189		
7,450.00	7,167.26	7,654.35	7,144.84	35.00	121.14	128.45	805.28	3,671.59	3,761.51	3,619.67	141.84	26.519		
7,500.00	7,181.19	7,650.00	7,140.50	35.38	121.14	120.47	805.25	3,671.65	3,805.86	3,664.21	141.66	26.867		
7,550.00	7,191.34	7,650.00	7,140.50	35.81	121.14	111.37	805.25	3,671.65	3,851.02	3,709.56	141.46	27.223		
7,600.00	7,197.65	7,650.00	7,140.50	36.28	121.14	101.34	805.25	3,671.65	3,896.69	3,755.43	141.27	27.584		
7,650.00	7,200.08	7,650.00	7,140.50	36.80	121.14	90.93	805.25	3,671.65	3,942.58	3,801.52	141.06	27.949		
7,667.87	7,200.00	7,650.00	7,140.50	36.99	121.14	87.26	805.25	3,671.65	3,958.98	3,817.99	140.99	28.079		
7,700.00	7,199.42	7,650.00	7,140.50	37.35	121.14	87.26	805.25	3,671.65	3,988.46	3,847.60	140.86	28.314		
7,800.00	7,197.60	7,650.00	7,140.50	38.62	121.14	87.26	805.25	3,671.65	4,080.49	3,940.00	140.49	29.044		
7,900.00	7,195.78	7,650.00	7,140.50	40.06	121.14	87.26	805.25	3,671.65	4,172.89	4,032.73	140.16	29.773		
8,000.00	7,193.97	7,650.00	7,140.50	41.66	121.14	87.26	805.25	3,671.65	4,265.62	4,125.77	139.85	30.502		
8,100.00	7,192.15	7,650.00	7,140.50	43.40	121.14	87.26	805.25	3,671.65	4,358.68	4,219.11	139.57	31.230		
8,200.00	7,190.33	7,650.00	7,140.50	45.25	121.14	87.26	805.25	3,671.65	4,452.04	4,312.73	139.31	31.957		
8,300.00	7,188.51	7,650.00	7,140.50	47.20	121.14	87.26	805.25	3,671.65	4,545.68	4,406.61	139.08	32.685		
8,400.00	7,186.70	7,650.00	7,140.50	49.25	121.14	87.26	805.25	3,671.65	4,639.59	4,500.73	138.86	33.411		
8,500.00	7,184.88	7,650.00	7,140.50	51.37	121.14	87.26	805.25	3,671.65	4,733.75	4,595.08	138.66	34.138		
8,600.00	7,183.06	7,650.00	7,140.50	53.56	121.14	87.26	805.25	3,671.65	4,828.14	4,689.66	138.48	34.864		
8,700.00	7,181.24	7,650.00	7,140.50	55.81	121.14	87.26	805.25	3,671.65	4,922.75	4,784.44	138.32	35.590		
8,800.00	7,179.43	7,650.00	7,140.50	58.11	121.14	87.26	805.25	3,671.65	5,017.58	4,879.41	138.16	36.316		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	7,650.00	7,140.50	60.46	121.14	87.26	805.25	3,671.65	5,112.60	4,974.57	138.02	37.042		
9,000.00	7,175.79	7,650.00	7,140.50	62.85	121.14	87.26	805.25	3,671.65	5,207.80	5,069.91	137.89	37.767		
9,100.00	7,173.98	7,650.00	7,140.50	65.28	121.14	87.26	805.25	3,671.65	5,303.19	5,165.41	137.77	38.492		
9,200.00	7,172.16	7,650.00	7,140.50	67.74	121.14	87.26	805.25	3,671.65	5,398.74	5,261.07	137.66	39.217		
9,300.00	7,170.34	7,650.00	7,140.50	70.23	121.14	87.26	805.25	3,671.65	5,494.44	5,356.88	137.56	39.942		
9,400.00	7,168.52	7,650.00	7,140.50	72.74	121.14	87.26	805.25	3,671.65	5,590.30	5,452.84	137.47	40.667		
9,500.00	7,166.71	7,650.00	7,140.50	75.28	121.14	87.26	805.25	3,671.65	5,686.30	5,548.92	137.38	41.392		
9,600.00	7,164.89	7,650.00	7,140.50	77.84	121.14	87.26	805.25	3,671.65	5,782.44	5,645.14	137.30	42.116		
9,700.00	7,163.07	7,650.00	7,140.50	80.43	121.14	87.26	805.25	3,671.65	5,878.71	5,741.48	137.22	42.840		
9,800.00	7,161.26	7,650.00	7,140.50	83.02	121.14	87.26	805.25	3,671.65	5,975.09	5,837.94	137.16	43.564		
9,900.00	7,159.44	7,650.00	7,140.50	85.64	121.14	87.26	805.25	3,671.65	6,071.60	5,934.51	137.09	44.288		
10,000.00	7,157.62	7,650.00	7,140.50	88.27	121.14	87.26	805.25	3,671.65	6,168.21	6,031.18	137.03	45.012		
10,100.00	7,155.80	7,650.00	7,140.50	90.91	121.14	87.26	805.25	3,671.65	6,264.94	6,127.96	136.98	45.736		
10,200.00	7,153.99	7,650.00	7,140.50	93.56	121.14	87.26	805.25	3,671.65	6,361.76	6,224.83	136.93	46.459		
10,300.00	7,152.17	7,650.00	7,140.50	96.23	121.14	87.26	805.25	3,671.65	6,458.68	6,321.79	136.89	47.182		
10,400.00	7,150.35	7,650.00	7,140.50	98.90	121.14	87.26	805.25	3,671.65	6,555.70	6,418.85	136.85	47.905		
10,500.00	7,148.54	7,650.00	7,140.50	101.59	121.14	87.26	805.25	3,671.65	6,652.80	6,515.99	136.81	48.628		
10,600.00	7,146.72	7,650.00	7,140.50	104.28	121.14	87.26	805.25	3,671.65	6,749.98	6,613.21	136.78	49.351		
10,700.00	7,144.90	7,650.00	7,140.50	106.98	121.14	87.26	805.25	3,671.65	6,847.25	6,710.51	136.74	50.073		
10,800.00	7,143.08	7,650.00	7,140.50	109.69	121.14	87.26	805.25	3,671.65	6,944.60	6,807.88	136.72	50.795		
10,900.00	7,141.27	7,650.00	7,140.50	112.41	121.14	87.26	805.25	3,671.65	7,042.02	6,905.32	136.69	51.517		
11,000.00	7,139.45	7,650.00	7,140.50	115.13	121.14	87.26	805.25	3,671.65	7,139.51	7,002.84	136.67	52.239		
11,100.00	7,137.63	7,650.00	7,140.50	117.86	121.14	87.26	805.25	3,671.65	7,237.07	7,100.41	136.65	52.960		
11,200.00	7,135.82	7,650.00	7,140.50	120.59	121.14	87.26	805.25	3,671.65	7,334.69	7,198.06	136.63	53.681		
11,300.00	7,134.00	7,650.00	7,140.50	123.33	121.14	87.26	805.25	3,671.65	7,432.38	7,295.76	136.62	54.402		
11,400.00	7,132.18	7,650.00	7,140.50	126.07	121.14	87.26	805.25	3,671.65	7,530.13	7,393.52	136.61	55.122		
11,500.00	7,130.36	7,650.00	7,140.50	128.82	121.14	87.26	805.25	3,671.65	7,627.93	7,491.34	136.60	55.842		
11,600.00	7,128.55	7,650.00	7,140.50	131.57	121.14	87.26	805.25	3,671.65	7,725.80	7,589.21	136.59	56.562		
11,700.00	7,126.73	7,650.00	7,140.50	134.33	121.14	87.26	805.25	3,671.65	7,823.71	7,687.13	136.58	57.281		
11,800.00	7,124.91	7,650.00	7,140.50	137.09	121.14	87.26	805.25	3,671.65	7,921.68	7,785.10	136.58	58.000		
11,900.00	7,123.10	7,650.00	7,140.50	139.85	121.14	87.26	805.25	3,671.65	8,019.70	7,883.13	136.58	58.719		
12,000.00	7,121.28	7,650.00	7,140.50	142.62	121.14	87.26	805.25	3,671.65	8,117.77	7,981.19	136.58	59.437		
12,100.00	7,119.46	7,650.00	7,140.50	145.39	121.14	87.26	805.25	3,671.65	8,215.89	8,079.31	136.58	60.154		
12,200.00	7,117.64	7,650.00	7,140.50	148.16	121.14	87.26	805.25	3,671.65	8,314.05	8,177.46	136.58	60.872		
12,300.00	7,115.83	7,650.00	7,140.50	150.94	121.14	87.26	805.25	3,671.65	8,412.25	8,275.66	136.59	61.589		
12,400.00	7,114.01	7,650.00	7,140.50	153.72	121.14	87.26	805.25	3,671.65	8,510.49	8,373.90	136.59	62.305		
12,500.00	7,112.19	7,650.00	7,140.50	156.50	121.14	87.26	805.25	3,671.65	8,608.78	8,472.18	136.60	63.021		
12,600.00	7,110.37	7,650.00	7,140.50	159.28	121.14	87.26	805.25	3,671.65	8,707.10	8,570.49	136.61	63.736		
12,700.00	7,108.56	7,650.00	7,140.50	162.07	121.14	87.26	805.25	3,671.65	8,805.46	8,668.84	136.62	64.451		
12,800.00	7,106.74	7,650.00	7,140.50	164.86	121.14	87.26	805.25	3,671.65	8,903.86	8,767.23	136.63	65.166		
12,900.00	7,104.92	7,650.00	7,140.50	167.65	121.14	87.26	805.25	3,671.65	9,002.30	8,865.65	136.65	65.880		
13,000.00	7,103.11	7,655.05	7,145.55	170.44	121.14	87.44	805.29	3,671.59	9,100.76	8,964.09	136.67	66.590		
13,100.00	7,101.29	7,654.39	7,144.89	173.23	121.14	87.42	805.28	3,671.59	9,199.26	9,062.58	136.68	67.303		
13,200.00	7,099.47	7,653.74	7,144.23	176.03	121.14	87.39	805.28	3,671.60	9,297.80	9,161.10	136.70	68.016		
13,300.00	7,097.65	7,653.08	7,143.58	178.82	121.14	87.37	805.27	3,671.61	9,396.36	9,259.64	136.72	68.728		
13,400.00	7,095.84	7,652.43	7,142.92	181.62	121.14	87.35	805.27	3,671.62	9,494.95	9,358.22	136.74	69.440		
13,500.00	7,094.02	7,651.78	7,142.27	184.42	121.14	87.32	805.26	3,671.62	9,593.58	9,456.82	136.76	70.150		
13,600.00	7,092.20	7,651.13	7,141.63	187.22	121.14	87.30	805.26	3,671.63	9,692.23	9,555.45	136.78	70.861		
13,700.00	7,090.39	7,650.48	7,140.98	190.03	121.14	87.28	805.25	3,671.64	9,790.91	9,654.11	136.80	71.571		
13,800.00	7,088.57	7,649.84	7,140.34	192.83	121.14	87.25	805.25	3,671.65	9,889.61	9,752.79	136.82	72.280		
13,900.00	7,086.75	7,649.20	7,139.69	195.64	121.14	87.23	805.24	3,671.65	9,988.34	9,851.49	136.85	72.988		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	96.09	-597.18	5,597.42	5,629.41					
100.00	100.00	1,415.68	1,398.76	3.28	9.53	95.76	-546.87	5,425.95	5,617.75	5,607.14	10.61	529.474		
200.00	200.00	1,940.26	1,903.31	3.34	15.04	95.91	-547.34	5,283.27	5,593.44	5,580.43	13.01	429.978		
300.00	300.00	2,247.28	2,192.31	3.44	19.77	96.09	-553.05	5,179.90	5,559.66	5,545.07	14.59	380.978		
400.00	399.98	2,300.00	2,241.76	3.60	20.66	-40.39	-552.63	5,161.65	5,523.86	5,508.92	14.94	369.802		
500.00	499.84	2,343.59	2,282.79	3.79	21.33	-40.93	-551.81	5,146.94	5,486.33	5,471.06	15.27	359.211		
600.00	599.45	2,952.61	2,847.30	4.03	33.25	-41.95	-533.75	4,921.06	5,446.35	5,427.88	18.47	294.868		
700.00	698.70	700.00	2,928.78	4.30	23.76	-42.82	-531.11	4,883.49	5,396.26	5,386.85	9.41	573.364		
790.00	787.61	3,133.68	3,011.41	4.57	37.80	-43.71	-527.73	4,844.82	5,348.79	5,329.04	19.75	270.828		
800.00	797.47	3,136.98	3,014.40	4.60	37.89	-43.71	-527.60	4,843.42	5,343.43	5,323.64	19.79	269.945		
900.00	896.01	3,170.24	3,044.59	4.94	38.72	-43.77	-526.35	4,829.51	5,290.25	5,270.07	20.18	262.180		
1,000.00	994.55	3,200.00	3,071.71	5.30	39.46	-43.81	-525.31	4,817.30	5,237.90	5,217.32	20.58	254.560		
1,100.00	1,093.09	3,235.96	3,104.63	5.68	40.24	-43.87	-524.02	4,802.88	5,186.41	5,165.38	21.03	246.606		
1,200.00	1,191.63	3,268.59	3,134.63	6.08	40.95	-43.93	-522.76	4,790.13	5,135.81	5,114.31	21.50	238.917		
1,300.00	1,290.17	3,300.00	3,163.64	6.49	41.64	-43.98	-521.45	4,778.15	5,086.12	5,064.15	21.98	231.408		
1,400.00	1,388.71	3,350.90	3,210.82	6.91	42.63	-44.06	-519.90	4,759.11	5,037.22	5,014.65	22.57	223.167		
1,500.00	1,487.25	3,400.00	3,256.45	7.34	43.58	-44.13	-519.61	4,741.00	4,988.99	4,965.82	23.17	215.294		
1,600.00	1,585.79	3,400.00	3,256.45	7.77	43.58	-44.13	-519.61	4,741.00	4,941.88	4,918.32	23.57	209.676		
1,700.00	1,684.34	3,450.27	3,303.46	8.22	44.42	-44.19	-520.02	4,723.17	4,895.47	4,871.26	24.20	202.251		
1,800.00	1,782.88	3,500.00	3,350.37	8.66	45.24	-44.24	-520.63	4,706.72	4,850.63	4,825.78	24.85	195.201		
1,900.00	1,881.42	3,500.00	3,350.37	9.12	45.24	-44.24	-520.63	4,706.72	4,806.57	4,781.28	25.29	190.086		
2,000.00	1,979.96	3,500.00	3,350.37	9.57	45.24	-44.24	-520.63	4,706.72	4,764.19	4,738.46	25.73	185.138		
2,100.00	2,078.50	3,544.16	3,392.44	10.03	45.76	-44.30	-520.75	4,693.29	4,722.69	4,696.32	26.37	179.082		
2,200.00	2,177.04	3,600.00	3,446.19	10.49	46.42	-44.40	-519.41	4,678.24	4,683.29	4,656.22	27.07	173.036		
2,300.00	2,275.58	3,600.00	3,446.19	10.95	46.42	-44.40	-519.41	4,678.24	4,644.29	4,616.75	27.54	168.665		
2,400.00	2,374.12	4,200.00	4,015.19	11.42	54.98	-45.49	-503.40	4,491.26	4,602.69	4,572.30	30.39	151.458		
2,500.00	2,472.66	4,244.51	4,056.57	11.89	55.78	-45.56	-503.02	4,474.89	4,554.98	4,523.91	31.07	146.611		
2,600.00	2,571.20	4,300.00	4,108.60	12.36	56.77	-45.66	-502.49	4,455.60	4,508.70	4,476.90	31.80	141.802		
2,700.00	2,669.74	4,329.39	4,136.26	12.83	57.26	-45.71	-502.23	4,445.66	4,463.11	4,430.68	32.43	137.618		
2,800.00	2,768.28	4,539.38	4,332.69	13.30	60.95	-46.05	-502.19	4,371.46	4,416.62	4,382.89	33.72	130.963		
2,900.00	2,866.83	4,745.45	4,523.39	13.78	65.12	-46.38	-503.14	4,293.39	4,367.80	4,332.81	34.99	124.845		
3,000.00	2,965.37	4,830.18	4,601.31	14.25	66.94	-46.53	-502.92	4,260.10	4,317.67	4,281.84	35.83	120.493		
3,100.00	3,063.91	4,883.53	4,650.49	14.73	68.07	-46.63	-502.51	4,239.45	4,268.09	4,231.51	36.58	116.669		
3,200.00	3,162.45	4,965.01	4,725.80	15.20	69.76	-46.79	-501.60	4,208.34	4,219.00	4,181.58	37.43	112.725		
3,300.00	3,260.99	5,092.39	4,843.30	15.68	72.45	-47.04	-500.58	4,159.18	4,169.62	4,131.20	38.42	108.541		
3,400.00	3,359.53	5,241.56	4,979.91	16.16	75.85	-47.34	-500.15	4,099.28	4,118.59	4,079.13	39.46	104.366		
3,500.00	3,458.07	5,300.00	5,033.36	16.64	77.21	-47.45	-500.11	4,075.65	4,067.57	4,027.32	40.25	101.054		
3,600.00	3,556.61	5,300.00	5,033.36	17.12	77.21	-47.45	-500.11	4,075.65	4,017.87	3,976.99	40.88	98.281		
3,700.00	3,655.15	5,348.41	5,077.99	17.60	78.15	-47.55	-500.31	4,056.90	3,968.95	3,927.30	41.65	95.298		
3,800.00	3,753.69	5,400.00	5,126.23	18.08	79.16	-47.65	-500.74	4,038.62	3,922.17	3,879.75	42.43	92.443		
3,900.00	3,852.23	5,400.00	5,126.23	18.56	79.16	-47.65	-500.74	4,038.62	3,876.11	3,833.04	43.07	89.998		
4,000.00	3,950.77	5,427.54	5,152.20	19.04	79.56	-47.70	-501.03	4,029.48	3,831.84	3,788.06	43.78	87.519		
4,100.00	4,049.31	5,463.27	5,186.05	19.52	80.07	-47.77	-501.40	4,018.04	3,788.89	3,744.37	44.52	85.101		
4,200.00	4,147.86	5,500.00	5,221.01	20.00	80.60	-47.84	-501.76	4,006.78	3,747.24	3,701.98	45.27	82.781		
4,300.00	4,246.40	5,553.73	5,272.35	20.49	81.25	-47.95	-502.27	3,990.93	3,706.73	3,660.67	46.06	80.479		
4,400.00	4,344.94	5,619.85	5,335.72	20.97	82.04	-48.08	-502.91	3,972.06	3,667.11	3,620.22	46.89	78.210		
4,500.00	4,443.48	5,736.89	5,447.77	21.45	83.42	-48.30	-505.22	3,938.37	3,627.33	3,579.47	47.86	75.796		
4,600.00	4,542.02	5,821.67	5,528.86	21.94	84.43	-48.47	-506.80	3,913.67	3,587.26	3,538.52	48.74	73.599		
4,700.00	4,640.56	5,879.16	5,583.97	22.42	85.09	-48.59	-507.76	3,897.31	3,547.88	3,498.32	49.56	71.591		
4,800.00	4,739.10	5,928.80	5,631.68	22.91	85.62	-48.69	-508.57	3,883.66	3,509.46	3,459.10	50.36	69.694		
4,900.00	4,837.64	5,974.20	5,675.49	23.39	86.08	-48.79	-509.20	3,871.76	3,472.28	3,421.14	51.14	67.894		
5,000.00	4,936.18	6,000.00	5,700.46	23.87	86.34	-48.84	-509.51	3,865.26	3,436.50	3,384.63	51.87	66.246		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SRC Northridge #12-4D - 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					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,100.00	5,034.72	6,053.52	5,752.45	24.36	86.75	-48.96	-510.04	3,852.58	3,402.04	3,349.36	52.68	64.580				
5,200.00	5,133.26	6,100.00	5,797.83	24.84	87.11	-49.07	-510.35	3,842.56	3,369.28	3,315.81	53.46	63.019				
5,300.00	5,231.80	6,100.00	5,797.83	25.33	87.11	-49.07	-510.35	3,842.56	3,338.38	3,284.29	54.09	61.715				
5,400.00	5,330.34	6,150.05	5,846.98	25.82	87.36	-49.19	-510.63	3,833.12	3,308.97	3,254.10	54.87	60.306				
5,500.00	5,428.89	6,200.00	5,896.34	26.30	87.62	-49.30	-510.91	3,825.44	3,281.97	3,226.33	55.64	58.983				
5,600.00	5,527.43	6,200.00	5,896.34	26.79	87.62	-49.30	-510.91	3,825.44	3,256.55	3,200.32	56.22	57.923				
5,700.00	5,625.97	6,247.32	5,943.29	27.27	87.75	-49.41	-511.12	3,819.53	3,233.12	3,176.17	56.96	56.765				
5,800.00	5,724.51	6,300.00	5,995.69	27.76	87.90	-49.54	-511.22	3,814.21	3,211.65	3,153.94	57.71	55.654				
5,900.00	5,823.05	6,330.73	6,026.32	28.24	87.96	-49.62	-511.23	3,811.64	3,191.76	3,133.40	58.35	54.697				
6,000.00	5,921.59	6,400.00	6,095.42	28.73	88.10	-49.79	-511.21	3,806.82	3,173.55	3,114.39	59.16	53.646				
6,100.00	6,020.13	6,435.48	6,130.84	29.22	88.16	-49.87	-511.15	3,804.85	3,156.60	3,096.80	59.80	52.786				
6,200.00	6,118.67	6,500.00	6,195.30	29.70	88.26	-50.04	-510.93	3,802.06	3,141.17	3,080.60	60.57	51.860				
6,300.00	6,217.21	6,564.71	6,259.98	30.19	88.35	-50.20	-510.46	3,799.95	3,126.84	3,065.50	61.34	50.979				
6,400.00	6,315.75	6,636.58	6,331.81	30.68	88.45	-50.40	-509.58	3,798.01	3,113.27	3,051.14	62.14	50.103				
6,500.00	6,414.29	6,703.62	6,398.84	31.16	88.54	-50.58	-508.69	3,796.87	3,100.74	3,037.82	62.91	49.286				
6,582.51	6,495.60	6,767.79	6,463.00	31.57	88.63	-50.75	-507.90	3,796.27	3,091.06	3,027.47	63.60	48.605				
6,600.00	6,512.86	6,781.43	6,476.64	31.65	88.64	-58.29	-507.74	3,796.19	3,089.31	3,025.57	63.74	48.468				
6,650.00	6,562.39	6,826.03	6,521.23	31.88	88.70	-88.80	-507.32	3,796.02	3,087.05	3,022.88	64.17	48.108				
6,653.53	6,565.89	6,829.53	6,524.73	31.89	88.71	-91.30	-507.29	3,796.00	3,087.04	3,022.84	64.20	48.084 CC, ES				
6,700.00	6,611.96	6,875.63	6,570.84	32.08	88.77	-121.77	-507.10	3,795.86	3,088.74	3,024.14	64.60	47.810				
6,750.00	6,661.26	6,936.99	6,632.19	32.27	88.85	-142.65	-507.15	3,795.61	3,094.30	3,029.22	65.08	47.548				
6,800.00	6,709.99	7,009.30	6,704.50	32.44	88.95	-154.16	-507.23	3,794.85	3,103.42	3,037.83	65.58	47.320				
6,850.00	6,757.84	7,054.03	6,749.23	32.61	89.01	-160.93	-507.26	3,794.26	3,116.23	3,050.30	65.94	47.261 SF				
6,900.00	6,804.53	7,100.70	6,795.89	32.77	89.08	-165.32	-507.28	3,793.64	3,132.80	3,066.52	66.28	47.264				
6,950.00	6,849.77	7,139.24	6,834.43	32.92	89.13	-168.39	-507.32	3,793.18	3,153.07	3,086.50	66.57	47.364				
7,000.00	6,893.27	7,176.38	6,871.56	33.07	89.19	-170.68	-507.44	3,792.82	3,176.95	3,110.11	66.84	47.534				
7,050.00	6,934.77	7,212.72	6,907.91	33.23	89.24	-172.50	-507.62	3,792.54	3,204.28	3,137.20	67.08	47.768				
7,100.00	6,974.01	7,248.89	6,944.07	33.39	89.29	-174.03	-507.81	3,792.32	3,234.85	3,167.54	67.31	48.059				
7,150.00	7,010.75	7,282.72	6,977.90	33.55	89.34	-175.37	-507.98	3,792.14	3,268.45	3,200.94	67.51	48.411				
7,200.00	7,044.77	7,314.39	7,009.57	33.72	89.38	-176.62	-508.13	3,792.00	3,304.87	3,237.18	67.70	48.820				
7,250.00	7,075.85	7,343.75	7,038.93	33.92	89.42	-177.86	-508.26	3,791.89	3,343.87	3,276.02	67.85	49.281				
7,300.00	7,103.80	7,370.13	7,065.31	34.13	89.46	-179.17	-508.37	3,791.80	3,385.21	3,317.22	67.99	49.792				
7,350.00	7,128.45	7,393.38	7,088.56	34.38	89.49	-179.33	-508.46	3,791.73	3,428.62	3,360.52	68.09	50.351				
7,400.00	7,149.65	7,413.47	7,108.65	34.67	89.52	-177.47	-508.53	3,791.69	3,473.82	3,405.64	68.18	50.951				
7,450.00	7,167.26	7,430.19	7,125.38	35.00	89.55	-174.92	-508.58	3,791.65	3,520.55	3,452.31	68.24	51.589				
7,500.00	7,181.19	7,443.42	7,138.60	35.38	89.57	-170.99	-508.63	3,791.62	3,568.50	3,500.22	68.28	52.260				
7,550.00	7,191.34	7,453.07	7,148.25	35.81	89.58	-163.84	-508.65	3,791.61	3,617.38	3,549.07	68.31	52.959				
7,600.00	7,197.65	7,450.00	7,145.18	36.28	89.58	-146.42	-508.65	3,791.61	3,666.90	3,598.64	68.26	53.718				
7,650.00	7,200.08	7,450.00	7,145.18	36.80	89.58	-97.14	-508.65	3,791.61	3,716.73	3,648.49	68.24	54.467				
7,667.87	7,200.00	7,450.00	7,145.18	36.99	89.58	-74.45	-508.65	3,791.61	3,734.56	3,666.33	68.23	54.735				
7,700.00	7,199.42	7,450.00	7,145.18	37.35	89.58	-74.45	-508.65	3,791.61	3,766.61	3,698.39	68.22	55.215				
7,800.00	7,197.60	7,450.00	7,145.18	38.62	89.58	-74.45	-508.65	3,791.61	3,866.35	3,798.17	68.18	56.707				
7,900.00	7,195.78	7,450.00	7,145.18	40.06	89.58	-74.45	-508.65	3,791.61	3,966.12	3,897.97	68.15	58.198				
8,000.00	7,193.97	7,450.00	7,145.18	41.66	89.58	-74.45	-508.65	3,791.61	4,065.89	3,997.77	68.12	59.687				
8,100.00	7,192.15	7,450.00	7,145.18	43.40	89.58	-74.45	-508.65	3,791.61	4,165.67	4,097.58	68.10	61.174				
8,200.00	7,190.33	7,450.00	7,145.18	45.25	89.58	-74.45	-508.65	3,791.61	4,265.47	4,197.39	68.07	62.659				
8,300.00	7,188.51	7,451.64	7,146.82	47.20	89.58	-74.79	-508.65	3,791.61	4,365.27	4,297.20	68.06	64.134				
8,400.00	7,186.70	7,450.11	7,145.29	49.25	89.58	-74.47	-508.65	3,791.61	4,465.08	4,397.04	68.04	65.622				
8,500.00	7,184.88	7,448.58	7,143.77	51.37	89.57	-74.16	-508.64	3,791.61	4,564.90	4,496.88	68.02	67.108				
8,600.00	7,183.06	7,447.07	7,142.25	53.56	89.57	-73.85	-508.64	3,791.62	4,664.73	4,596.72	68.01	68.592				
8,700.00	7,181.24	7,445.55	7,140.73	55.81	89.57	-73.55	-508.63	3,791.62	4,764.56	4,696.57	67.99	70.073				
8,800.00	7,179.43	7,444.04	7,139.22	58.11	89.57	-73.24	-508.63	3,791.62	4,864.40	4,796.42	67.98	71.553				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	7,442.53	7,137.72	60.46	89.56	72.94	-508.62	3,791.63	4,964.25	4,896.27	67.97	73.031		
9,000.00	7,175.79	7,441.03	7,136.21	62.85	89.56	72.64	-508.62	3,791.63	5,064.10	4,996.13	67.97	74.506		
9,100.00	7,173.98	7,439.54	7,134.72	65.28	89.56	72.34	-508.61	3,791.63	5,163.96	5,095.99	67.97	75.979		
9,200.00	7,172.16	7,438.04	7,133.23	67.74	89.56	72.04	-508.61	3,791.63	5,263.82	5,195.86	67.96	77.451		
9,300.00	7,170.34	7,436.56	7,131.74	70.23	89.56	71.75	-508.60	3,791.64	5,363.69	5,295.72	67.96	78.919		
9,400.00	7,168.52	7,435.07	7,130.25	72.74	89.55	71.46	-508.60	3,791.64	5,463.56	5,395.59	67.97	80.386		
9,500.00	7,166.71	7,433.59	7,128.77	75.28	89.55	71.16	-508.60	3,791.64	5,563.43	5,495.46	67.97	81.850		
9,600.00	7,164.89	7,432.12	7,127.30	77.84	89.55	70.88	-508.59	3,791.65	5,663.31	5,595.33	67.98	83.312		
9,700.00	7,163.07	7,430.65	7,125.83	80.43	89.55	70.59	-508.59	3,791.65	5,763.20	5,695.21	67.99	84.771		
9,800.00	7,161.26	7,429.18	7,124.36	83.02	89.55	70.30	-508.58	3,791.65	5,863.08	5,795.09	68.00	86.228		
9,900.00	7,159.44	7,427.72	7,122.90	85.64	89.54	70.02	-508.58	3,791.65	5,962.97	5,894.97	68.01	87.682		
10,000.00	7,157.62	7,426.26	7,121.44	88.27	89.54	69.74	-508.57	3,791.66	6,062.87	5,994.85	68.02	89.133		
10,100.00	7,155.80	7,424.81	7,119.99	90.91	89.54	69.46	-508.57	3,791.66	6,162.76	6,094.73	68.03	90.582		
10,200.00	7,153.99	7,423.36	7,118.54	93.56	89.54	69.18	-508.56	3,791.66	6,262.66	6,194.61	68.05	92.028		
10,300.00	7,152.17	7,421.92	7,117.10	96.23	89.54	68.90	-508.56	3,791.67	6,362.56	6,294.49	68.07	93.472		
10,400.00	7,150.35	7,420.47	7,115.66	98.90	89.53	68.63	-508.55	3,791.67	6,462.47	6,394.38	68.09	94.913		
10,500.00	7,148.54	7,419.04	7,114.22	101.59	89.53	68.35	-508.55	3,791.67	6,562.38	6,494.27	68.11	96.350		
10,600.00	7,146.72	7,417.61	7,112.79	104.28	89.53	68.08	-508.54	3,791.68	6,662.29	6,594.15	68.13	97.785		
10,700.00	7,144.90	7,416.18	7,111.36	106.98	89.53	67.81	-508.54	3,791.68	6,762.20	6,694.04	68.16	99.217		
10,800.00	7,143.08	7,414.75	7,109.94	109.69	89.52	67.55	-508.53	3,791.68	6,862.11	6,793.93	68.18	100.646		
10,900.00	7,141.27	7,413.33	7,108.52	112.41	89.52	67.28	-508.53	3,791.69	6,962.03	6,893.82	68.21	102.072		
11,000.00	7,139.45	7,411.92	7,107.10	115.13	89.52	67.02	-508.52	3,791.69	7,061.95	6,993.71	68.23	103.495		
11,100.00	7,137.63	7,410.51	7,105.69	117.86	89.52	66.75	-508.52	3,791.69	7,161.87	7,093.60	68.26	104.915		
11,200.00	7,135.82	7,409.10	7,104.28	120.59	89.52	66.49	-508.51	3,791.70	7,261.79	7,193.50	68.29	106.331		
11,300.00	7,134.00	7,407.70	7,102.88	123.33	89.51	66.24	-508.51	3,791.70	7,361.71	7,293.39	68.33	107.744		
11,400.00	7,132.18	7,406.30	7,101.48	126.07	89.51	65.98	-508.50	3,791.70	7,461.64	7,393.28	68.36	109.154		
11,500.00	7,130.36	7,404.90	7,100.08	128.82	89.51	65.72	-508.50	3,791.71	7,561.57	7,493.18	68.39	110.561		
11,600.00	7,128.55	7,403.51	7,098.69	131.57	89.51	65.47	-508.49	3,791.71	7,661.50	7,593.07	68.43	111.965		
11,700.00	7,126.73	7,402.12	7,097.30	134.33	89.51	65.22	-508.49	3,791.71	7,761.43	7,692.96	68.46	113.365		
11,800.00	7,124.91	7,400.74	7,095.92	137.09	89.50	64.97	-508.48	3,791.72	7,861.36	7,792.86	68.50	114.761		
11,900.00	7,123.10	7,399.37	7,094.55	139.85	89.50	64.72	-508.48	3,791.72	7,961.29	7,892.75	68.54	116.154		
12,000.00	7,121.28	7,398.02	7,093.20	142.62	89.50	64.48	-508.48	3,791.72	8,061.23	7,992.65	68.58	117.543		
12,100.00	7,119.46	7,396.67	7,091.85	145.39	89.50	64.24	-508.47	3,791.73	8,161.16	8,092.54	68.62	118.929		
12,200.00	7,117.64	7,395.32	7,090.51	148.16	89.50	64.00	-508.47	3,791.73	8,261.10	8,192.44	68.66	120.312		
12,300.00	7,115.83	7,393.99	7,089.17	150.94	89.49	63.77	-508.46	3,791.73	8,361.04	8,292.33	68.71	121.690		
12,400.00	7,114.01	7,392.65	7,087.83	153.72	89.49	63.53	-508.46	3,791.74	8,460.98	8,392.23	68.75	123.065		
12,500.00	7,112.19	7,391.32	7,086.50	156.50	89.49	63.30	-508.45	3,791.74	8,560.92	8,492.13	68.80	124.436		
12,600.00	7,110.37	7,389.99	7,085.17	159.28	89.49	63.07	-508.45	3,791.74	8,660.87	8,592.02	68.84	125.804		
12,700.00	7,108.56	7,388.67	7,083.85	162.07	89.49	62.84	-508.44	3,791.75	8,760.81	8,691.92	68.89	127.167		
12,800.00	7,106.74	7,387.35	7,082.53	164.86	89.49	62.61	-508.44	3,791.75	8,860.75	8,791.81	68.94	128.527		
12,900.00	7,104.92	7,386.04	7,081.22	167.65	89.48	62.38	-508.43	3,791.75	8,960.70	8,891.71	68.99	129.883		
13,000.00	7,103.11	7,384.73	7,079.91	170.44	89.48	62.16	-508.43	3,791.76	9,060.65	8,991.60	69.04	131.235		
13,100.00	7,101.29	7,383.42	7,078.60	173.23	89.48	61.93	-508.42	3,791.76	9,160.59	9,091.50	69.09	132.583		
13,200.00	7,099.47	7,382.12	7,077.30	176.03	89.48	61.71	-508.42	3,791.77	9,260.54	9,191.40	69.15	133.927		
13,300.00	7,097.65	7,380.82	7,076.00	178.82	89.48	61.49	-508.41	3,791.77	9,360.49	9,291.29	69.20	135.268		
13,400.00	7,095.84	7,379.53	7,074.71	181.62	89.47	61.27	-508.41	3,791.77	9,460.44	9,391.19	69.25	136.604		
13,500.00	7,094.02	7,378.24	7,073.42	184.42	89.47	61.06	-508.40	3,791.78	9,560.39	9,491.08	69.31	137.936		
13,600.00	7,092.20	7,376.95	7,072.14	187.22	89.47	60.84	-508.40	3,791.78	9,660.34	9,590.98	69.37	139.264		
13,700.00	7,090.39	7,375.67	7,070.85	190.03	89.47	60.63	-508.39	3,791.78	9,760.30	9,690.87	69.42	140.588		
13,800.00	7,088.57	7,374.40	7,069.58	192.83	89.47	60.41	-508.39	3,791.79	9,860.25	9,790.77	69.48	141.908		
13,900.00	7,086.75	7,373.12	7,068.30	195.64	89.47	60.20	-508.38	3,791.79	9,960.20	9,890.66	69.54	143.224		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.76	-565.85	5,609.39	5,638.08					
100.00	100.00	39.71	39.71	3.28	3.28	95.76	-565.73	5,609.44	5,637.90	5,631.34	6.57	858.661		
200.00	200.00	474.59	473.65	3.34	3.95	95.54	-543.65	5,601.67	5,637.28	5,630.01	7.27	775.208		
300.00	300.00	700.77	697.29	3.44	4.94	95.24	-512.82	5,588.38	5,629.66	5,621.36	8.30	678.470		
400.00	399.98	1,248.56	1,227.64	3.60	8.87	-42.21	-389.83	5,535.95	5,617.35	5,605.27	12.08	465.202		
500.00	499.84	1,373.22	1,344.94	3.79	10.11	-42.92	-350.89	5,519.68	5,597.70	5,584.32	13.39	418.195		
600.00	599.45	1,482.09	1,447.47	4.03	11.18	-43.64	-317.38	5,504.96	5,575.37	5,560.79	14.58	382.518		
700.00	698.70	1,559.57	1,520.59	4.30	11.90	-44.31	-294.05	5,494.35	5,550.74	5,535.25	15.50	358.208		
790.00	787.61	1,627.97	1,585.34	4.57	12.52	-44.94	-274.03	5,485.14	5,526.95	5,510.62	16.33	338.505		
800.00	797.47	1,636.36	1,593.29	4.60	12.59	-44.97	-271.60	5,484.01	5,524.22	5,507.79	16.43	336.233		
900.00	896.01	1,713.81	1,666.79	4.94	13.26	-45.30	-249.49	5,473.62	5,497.10	5,479.74	17.36	316.578		
1,000.00	994.55	1,770.89	1,721.09	5.30	13.73	-45.55	-233.56	5,466.19	5,470.63	5,452.49	18.15	301.467		
1,100.00	1,093.09	1,829.56	1,777.06	5.68	14.20	-45.79	-217.53	5,458.86	5,444.93	5,425.98	18.95	287.276		
1,200.00	1,191.63	1,889.80	1,834.62	6.08	14.67	-46.04	-201.33	5,451.64	5,419.97	5,400.19	19.78	274.013		
1,300.00	1,290.17	1,993.33	1,933.76	6.49	15.43	-46.47	-174.11	5,439.39	5,395.44	5,374.54	20.91	258.085		
1,400.00	1,388.71	2,096.96	2,033.07	6.91	16.19	-46.90	-147.34	5,426.79	5,370.87	5,348.83	22.03	243.744		
1,500.00	1,487.25	1,500.00	2,137.62	7.34	11.76	-47.36	-118.88	5,412.99	5,346.08	5,327.75	18.33	291.581		
1,600.00	1,585.79	2,264.42	2,193.37	7.77	17.44	-47.60	-103.70	5,405.71	5,321.74	5,297.67	24.07	221.052		
1,700.00	1,684.34	2,320.55	2,247.22	8.22	17.85	-47.84	-89.27	5,399.15	5,298.34	5,273.42	24.92	212.655		
1,800.00	1,782.88	2,389.74	2,313.59	8.66	18.33	-48.13	-71.37	5,391.38	5,275.62	5,249.78	25.84	204.147		
1,900.00	1,881.42	2,526.67	2,444.58	9.12	19.34	-48.73	-34.67	5,375.73	5,253.00	5,225.75	27.26	192.733		
2,000.00	1,979.96	2,648.19	2,560.44	9.57	20.28	-49.28	-1.15	5,360.85	5,229.91	5,201.29	28.62	182.750		
2,100.00	2,078.50	2,811.39	2,714.67	10.03	21.67	-50.06	47.70	5,339.46	5,206.44	5,176.04	30.40	171.278		
2,200.00	2,177.04	2,856.89	2,757.54	10.49	22.08	-50.29	61.66	5,333.37	5,182.90	5,151.62	31.28	165.694		
2,300.00	2,275.58	2,924.97	2,821.89	10.95	22.66	-50.62	82.10	5,324.64	5,160.25	5,127.91	32.34	159.581		
2,400.00	2,374.12	3,040.30	2,931.30	11.42	23.62	-51.17	115.33	5,309.63	5,137.74	5,104.01	33.74	152.290		
2,500.00	2,472.66	3,121.17	3,007.75	11.89	24.29	-51.57	139.41	5,298.83	5,115.32	5,080.43	34.88	146.649		
2,600.00	2,571.20	3,171.18	3,055.26	12.36	24.69	-51.81	153.65	5,292.47	5,093.74	5,057.96	35.78	142.361		
2,700.00	2,669.74	3,234.47	3,115.81	12.83	25.16	-52.11	170.44	5,284.95	5,073.11	5,036.36	36.75	138.044		
2,800.00	2,768.28	3,326.47	3,203.98	13.30	25.82	-52.53	194.43	5,274.25	5,053.02	5,015.13	37.88	133.378		
2,900.00	2,866.83	3,428.29	3,301.56	13.78	26.53	-53.00	220.81	5,261.98	5,032.80	4,993.73	39.08	128.788		
3,000.00	2,965.37	3,484.46	3,355.59	14.25	26.91	-53.25	234.71	5,255.49	5,013.30	4,973.33	39.97	125.430		
3,100.00	3,063.91	3,616.95	3,483.53	14.73	27.76	-53.83	265.61	5,240.23	4,993.97	4,952.69	41.28	120.984		
3,200.00	3,162.45	3,670.96	3,535.73	15.20	28.10	-54.07	277.95	5,234.02	4,974.90	4,932.77	42.13	118.080		
3,300.00	3,260.99	3,755.79	3,617.72	15.68	28.63	-54.45	297.67	5,224.76	4,956.65	4,913.48	43.17	114.819		
3,400.00	3,359.53	3,953.43	3,806.41	16.16	30.13	-55.41	350.74	5,199.79	4,937.41	4,892.32	45.09	109.507		
3,500.00	3,458.07	4,036.97	3,884.92	16.64	30.88	-55.87	376.73	5,188.02	4,917.78	4,871.43	46.35	106.104		
3,600.00	3,556.61	4,109.47	3,952.83	17.12	31.56	-56.27	399.99	5,177.86	4,898.76	4,851.21	47.54	103.037		
3,700.00	3,655.15	4,171.94	4,011.57	17.60	32.11	-56.61	419.53	5,169.45	4,880.52	4,831.89	48.63	100.364		
3,800.00	3,753.69	4,228.07	4,064.68	18.08	32.58	-56.91	436.22	5,162.30	4,863.18	4,813.55	49.63	97.985		
3,900.00	3,852.23	4,278.88	4,112.96	18.56	32.97	-57.18	450.88	5,156.29	4,846.89	4,796.32	50.57	95.852		
4,000.00	3,950.77	4,357.07	4,187.36	19.04	33.58	-57.59	473.30	5,147.57	4,831.53	4,779.83	51.70	93.460		
4,100.00	4,049.31	4,503.65	4,326.06	19.52	34.75	-58.38	517.36	5,130.15	4,816.24	4,762.87	53.37	90.248		
4,200.00	4,147.86	4,605.95	4,422.71	20.00	35.61	-58.95	548.23	5,117.06	4,800.50	4,745.76	54.74	87.696		
4,300.00	4,246.40	4,671.84	4,484.62	20.49	36.20	-59.32	569.08	5,108.50	4,785.27	4,729.40	55.87	85.646		
4,400.00	4,344.94	4,841.13	4,643.35	20.97	37.74	-60.30	623.19	5,085.37	4,770.03	4,712.14	57.89	82.393		
4,500.00	4,443.48	4,924.47	4,721.94	21.45	38.48	-60.77	648.22	5,073.46	4,754.32	4,695.16	59.16	80.369		
4,600.00	4,542.02	4,980.95	4,775.35	21.94	38.96	-61.09	664.89	5,065.74	4,739.48	4,679.30	60.18	78.751		
4,700.00	4,640.56	5,040.74	4,831.99	22.42	39.45	-61.42	682.38	5,058.01	4,725.63	4,664.42	61.22	77.197		
4,800.00	4,739.10	5,103.36	4,891.40	22.91	39.95	-61.76	700.64	5,050.29	4,712.73	4,650.47	62.25	75.700		
4,900.00	4,837.64	5,197.19	4,980.95	23.39	40.64	-62.27	726.41	5,039.35	4,700.42	4,636.96	63.47	74.063		
5,000.00	4,936.18	5,257.46	5,039.06	23.87	41.00	-62.57	741.03	5,032.99	4,688.73	4,624.38	64.36	72.854		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	5,321.52	5,101.48	24.36	41.34	-62.86	754.27	5,027.32	4,677.96	4,612.74	65.23	71.718		
5,200.00	5,133.26	5,394.38	5,173.12	24.84	41.65	-63.15	766.49	5,022.06	4,667.93	4,601.87	66.06	70.661		
5,300.00	5,231.80	5,477.35	5,255.24	25.33	41.93	-63.45	777.21	5,017.34	4,658.43	4,591.58	66.86	69.678		
5,400.00	5,330.34	5,563.87	5,341.24	25.82	42.20	-63.72	785.88	5,013.37	4,649.32	4,581.69	67.63	68.747		
5,500.00	5,428.89	5,648.17	5,425.17	26.30	42.44	-63.98	793.02	5,010.11	4,640.56	4,572.18	68.38	67.869		
5,600.00	5,527.43	5,727.00	5,503.78	26.79	42.65	-64.20	798.47	5,007.70	4,632.22	4,563.12	69.09	67.042		
5,700.00	5,625.97	5,800.05	5,576.68	27.27	42.84	-64.40	802.73	5,006.09	4,624.45	4,554.66	69.79	66.262		
5,800.00	5,724.51	5,913.04	5,689.56	27.76	43.12	-64.67	807.38	5,004.39	4,616.90	4,546.33	70.57	65.426		
5,900.00	5,823.05	6,033.31	5,809.80	28.24	43.42	-64.93	809.54	5,002.87	4,608.92	4,537.57	71.35	64.595		
6,000.00	5,921.59	6,136.09	5,912.57	28.73	43.67	-65.15	810.54	5,001.65	4,600.83	4,528.73	72.10	63.814		
6,100.00	6,020.13	6,246.41	6,022.87	29.22	43.94	-65.38	811.56	5,000.11	4,592.59	4,519.72	72.86	63.031		
6,200.00	6,118.67	6,357.98	6,134.42	29.70	44.23	-65.62	812.53	4,998.26	4,584.15	4,510.52	73.63	62.257		
6,300.00	6,217.21	6,460.33	6,236.75	30.19	44.49	-65.83	813.45	4,996.29	4,575.53	4,501.14	74.39	61.509		
6,400.00	6,315.75	6,544.60	6,320.99	30.68	44.71	-66.02	814.69	4,994.58	4,567.07	4,491.96	75.11	60.806		
6,500.00	6,414.29	6,625.39	6,401.75	31.16	44.92	-66.20	816.30	4,993.17	4,559.11	4,483.28	75.83	60.127		
6,582.51	6,495.60	6,702.11	6,478.44	31.57	45.12	-66.38	818.17	4,991.86	4,552.75	4,476.31	76.44	59.560		
6,600.00	6,512.86	6,717.86	6,494.18	31.65	45.17	-73.90	818.59	4,991.59	4,551.64	4,475.07	76.57	59.446		
6,633.06	6,545.59	6,747.86	6,524.17	31.80	45.25	-92.75	819.39	4,991.09	4,550.82	4,474.01	76.80	59.252 CC, ES		
6,650.00	6,562.39	6,763.28	6,539.58	31.88	45.29	-104.38	819.79	4,990.84	4,551.03	4,474.11	76.92	59.162		
6,700.00	6,611.96	6,809.51	6,585.79	32.08	45.41	-137.40	821.02	4,990.12	4,554.19	4,476.93	77.26	58.944		
6,750.00	6,661.26	6,858.53	6,634.79	32.27	45.54	-158.39	822.33	4,989.36	4,561.07	4,483.49	77.58	58.788		
6,800.00	6,709.99	6,908.52	6,684.75	32.44	45.68	-170.07	823.68	4,988.59	4,571.60	4,493.71	77.89	58.691		
6,850.00	6,757.84	6,966.24	6,742.44	32.61	45.84	-177.16	825.40	4,987.55	4,585.66	4,507.45	78.21	58.635		
6,900.00	6,804.53	7,022.32	6,798.47	32.77	46.00	-178.04	827.31	4,986.33	4,603.11	4,524.60	78.51	58.633 SF		
6,950.00	6,849.77	7,076.31	6,852.40	32.92	46.15	-174.43	829.41	4,984.94	4,623.87	4,545.08	78.79	58.683		
7,000.00	6,893.27	7,121.13	6,897.16	33.07	46.28	-171.48	831.36	4,983.65	4,647.83	4,568.78	79.05	58.797		
7,050.00	6,934.77	7,158.16	6,934.13	33.23	46.39	-168.85	833.14	4,982.55	4,674.95	4,595.67	79.28	58.971		
7,100.00	6,974.01	7,193.27	6,969.17	33.39	46.49	-166.33	834.97	4,981.49	4,705.06	4,625.57	79.49	59.194		
7,150.00	7,010.75	7,221.79	6,997.64	33.55	46.57	-163.77	836.57	4,980.63	4,737.98	4,658.32	79.67	59.471		
7,200.00	7,044.77	7,247.17	7,022.96	33.72	46.65	-161.01	838.07	4,979.89	4,773.55	4,693.71	79.83	59.794		
7,250.00	7,075.85	7,270.40	7,046.14	33.92	46.72	-157.91	839.52	4,979.23	4,811.51	4,731.53	79.98	60.158		
7,300.00	7,103.80	7,291.34	7,067.03	34.13	46.78	-154.30	840.88	4,978.66	4,851.64	4,771.52	80.11	60.560		
7,350.00	7,128.45	7,309.37	7,085.01	34.38	46.84	-149.93	842.08	4,978.18	4,893.67	4,813.44	80.23	60.997		
7,400.00	7,149.65	7,324.54	7,100.14	34.67	46.88	-144.52	843.09	4,977.81	4,937.33	4,857.01	80.33	61.466		
7,450.00	7,167.26	7,337.20	7,112.77	35.00	46.92	-137.68	843.92	4,977.51	4,982.37	4,901.95	80.41	61.961		
7,500.00	7,181.19	7,347.29	7,122.84	35.38	46.95	-129.00	844.58	4,977.29	5,028.48	4,947.99	80.48	62.478		
7,550.00	7,191.34	7,354.79	7,130.32	35.81	46.97	-118.14	845.07	4,977.13	5,075.38	4,994.84	80.54	63.013		
7,600.00	7,197.65	7,359.66	7,135.18	36.28	46.99	-105.24	845.39	4,977.04	5,122.79	5,042.19	80.60	63.562		
7,650.00	7,200.08	7,361.91	7,137.42	36.80	46.99	-91.27	845.53	4,976.99	5,170.41	5,089.77	80.64	64.120		
7,667.87	7,200.00	7,362.08	7,137.59	36.99	46.99	-86.33	845.54	4,976.99	5,187.42	5,106.77	80.65	64.321		
7,700.00	7,199.42	7,362.09	7,137.60	37.35	46.99	-86.33	845.54	4,976.99	5,218.01	5,137.33	80.67	64.681		
7,800.00	7,197.60	7,362.11	7,137.62	38.62	46.99	-86.33	845.55	4,976.99	5,313.31	5,232.55	80.76	65.794		
7,900.00	7,195.78	7,362.13	7,137.65	40.06	46.99	-86.33	845.55	4,976.99	5,408.79	5,327.93	80.85	66.895		
8,000.00	7,193.97	7,362.16	7,137.67	41.66	46.99	-86.33	845.55	4,976.99	5,504.42	5,423.46	80.96	67.987		
8,100.00	7,192.15	7,362.18	7,137.69	43.40	46.99	-86.33	845.55	4,976.98	5,600.21	5,519.13	81.08	69.068		
8,200.00	7,190.33	7,362.20	7,137.71	45.25	46.99	-86.33	845.55	4,976.98	5,696.14	5,614.93	81.21	70.140		
8,300.00	7,188.51	7,362.22	7,137.73	47.20	46.99	-86.33	845.55	4,976.98	5,792.21	5,710.86	81.35	71.203		
8,400.00	7,186.70	7,362.24	7,137.75	49.25	46.99	-86.33	845.55	4,976.98	5,888.41	5,806.92	81.49	72.258		
8,500.00	7,184.88	7,362.26	7,137.77	51.37	46.99	-86.33	845.56	4,976.98	5,984.74	5,903.10	81.64	73.306		
8,600.00	7,183.06	7,362.28	7,137.79	53.56	46.99	-86.33	845.56	4,976.98	6,081.18	5,999.39	81.79	74.347		
8,700.00	7,181.24	7,362.30	7,137.81	55.81	46.99	-86.34	845.56	4,976.98	6,177.74	6,095.79	81.95	75.381		
8,800.00	7,179.43	7,362.32	7,137.83	58.11	46.99	-86.34	845.56	4,976.98	6,274.41	6,192.29	82.12	76.409		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	7,362.34	7,137.85	60.46	47.00	86.34	845.56	4,976.98	6,371.17	6,288.89	82.28	77.431		
9,000.00	7,175.79	7,362.36	7,137.87	62.85	47.00	86.34	845.56	4,976.98	6,468.04	6,385.59	82.45	78.448		
9,100.00	7,173.98	7,362.38	7,137.89	65.28	47.00	86.34	845.56	4,976.98	6,565.00	6,482.38	82.62	79.460		
9,200.00	7,172.16	7,362.40	7,137.91	67.74	47.00	86.34	845.56	4,976.98	6,662.05	6,579.26	82.79	80.467		
9,300.00	7,170.34	7,362.42	7,137.93	70.23	47.00	86.34	845.57	4,976.98	6,759.19	6,676.22	82.97	81.469		
9,400.00	7,168.52	7,362.44	7,137.95	72.74	47.00	86.34	845.57	4,976.98	6,856.41	6,773.27	83.14	82.468		
9,500.00	7,166.71	7,362.45	7,137.97	75.28	47.00	86.34	845.57	4,976.98	6,953.70	6,870.39	83.32	83.462		
9,600.00	7,164.89	7,362.47	7,137.98	77.84	47.00	86.34	845.57	4,976.98	7,051.08	6,967.59	83.49	84.452		
9,700.00	7,163.07	7,362.49	7,138.00	80.43	47.00	86.34	845.57	4,976.98	7,148.52	7,064.86	83.67	85.439		
9,800.00	7,161.26	7,362.51	7,138.02	83.02	47.00	86.34	845.57	4,976.98	7,246.04	7,162.19	83.84	86.423		
9,900.00	7,159.44	7,362.52	7,138.04	85.64	47.00	86.34	845.57	4,976.98	7,343.62	7,259.60	84.02	87.403		
10,000.00	7,157.62	7,362.54	7,138.05	88.27	47.00	86.34	845.57	4,976.98	7,441.27	7,357.07	84.20	88.381		
10,100.00	7,155.80	7,362.56	7,138.07	90.91	47.00	86.34	845.57	4,976.98	7,538.98	7,454.60	84.37	89.355		
10,200.00	7,153.99	7,362.57	7,138.09	93.56	47.00	86.35	845.58	4,976.98	7,636.74	7,552.20	84.55	90.327		
10,300.00	7,152.17	7,362.59	7,138.10	96.23	47.00	86.35	845.58	4,976.98	7,734.57	7,649.85	84.72	91.295		
10,400.00	7,150.35	7,362.61	7,138.12	98.90	47.00	86.35	845.58	4,976.98	7,832.45	7,747.55	84.89	92.262		
10,500.00	7,148.54	7,362.62	7,138.13	101.59	47.00	86.35	845.58	4,976.98	7,930.38	7,845.31	85.07	93.226		
10,600.00	7,146.72	7,362.64	7,138.15	104.28	47.00	86.35	845.58	4,976.98	8,028.36	7,943.12	85.24	94.187		
10,700.00	7,144.90	7,362.65	7,138.16	106.98	47.00	86.35	845.58	4,976.98	8,126.39	8,040.98	85.41	95.146		
10,800.00	7,143.08	7,362.67	7,138.18	109.69	47.00	86.35	845.58	4,976.98	8,224.47	8,138.89	85.58	96.103		
10,900.00	7,141.27	7,362.68	7,138.19	112.41	47.00	86.35	845.58	4,976.97	8,322.60	8,236.85	85.75	97.058		
11,000.00	7,139.45	7,362.70	7,138.21	115.13	47.00	86.35	845.58	4,976.97	8,420.77	8,334.85	85.92	98.011		
11,100.00	7,137.63	7,362.71	7,138.22	117.86	47.00	86.35	845.58	4,976.97	8,518.98	8,432.90	86.08	98.961		
11,200.00	7,135.82	7,362.73	7,138.24	120.59	47.00	86.35	845.59	4,976.97	8,617.23	8,530.98	86.25	99.910		
11,300.00	7,134.00	7,362.74	7,138.25	123.33	47.00	86.35	845.59	4,976.97	8,715.53	8,629.11	86.42	100.857		
11,400.00	7,132.18	7,362.76	7,138.27	126.07	47.00	86.35	845.59	4,976.97	8,813.86	8,727.28	86.58	101.801		
11,500.00	7,130.36	7,362.77	7,138.28	128.82	47.00	86.35	845.59	4,976.97	8,912.23	8,825.49	86.74	102.744		
11,600.00	7,128.55	7,362.78	7,138.30	131.57	47.00	86.35	845.59	4,976.97	9,010.63	8,923.73	86.90	103.685		
11,700.00	7,126.73	7,362.80	7,138.31	134.33	47.00	86.35	845.59	4,976.97	9,109.07	9,022.01	87.06	104.625		
11,800.00	7,124.91	7,362.81	7,138.32	137.09	47.00	86.35	845.59	4,976.97	9,207.54	9,120.32	87.22	105.562		
11,900.00	7,123.10	7,362.82	7,138.34	139.85	47.00	86.35	845.59	4,976.97	9,306.05	9,218.67	87.38	106.498		
12,000.00	7,121.28	7,362.84	7,138.35	142.62	47.00	86.35	845.59	4,976.97	9,404.59	9,317.05	87.54	107.432		
12,100.00	7,119.46	7,362.85	7,138.36	145.39	47.00	86.36	845.59	4,976.97	9,503.15	9,415.46	87.70	108.364		
12,200.00	7,117.64	7,362.86	7,138.38	148.16	47.00	86.36	845.59	4,976.97	9,601.75	9,513.90	87.85	109.295		
12,300.00	7,115.83	7,362.88	7,138.39	150.94	47.00	86.36	845.60	4,976.97	9,700.38	9,612.37	88.01	110.224		
12,400.00	7,114.01	7,362.89	7,138.40	153.72	47.00	86.36	845.60	4,976.97	9,799.03	9,710.87	88.16	111.151		
12,500.00	7,112.19	7,362.90	7,138.41	156.50	47.00	86.36	845.60	4,976.97	9,897.71	9,809.40	88.31	112.076		
12,600.00	7,110.37	7,362.91	7,138.43	159.28	47.00	86.36	845.60	4,976.97	9,996.42	9,907.96	88.46	113.000		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	96.21	-607.38	5,585.74	5,618.88					
100.00	100.00	53.97	53.97	3.28	3.28	96.21	-607.36	5,585.72	5,618.64	5,612.08	6.57	855.608		
200.00	200.00	161.91	161.91	3.34	3.30	96.20	-607.21	5,585.58	5,618.50	5,611.87	6.64	846.640		
300.00	300.00	269.85	269.85	3.44	3.33	96.20	-606.91	5,585.31	5,618.22	5,611.44	6.78	828.897		
400.00	399.98	377.76	377.76	3.60	3.38	-39.84	-606.47	5,584.89	5,616.45	5,609.47	6.98	804.656		
500.00	499.84	485.49	485.48	3.79	3.45	-39.94	-605.87	5,584.35	5,611.87	5,604.63	7.24	775.322		
600.00	599.45	592.90	592.89	4.03	3.53	-40.10	-605.13	5,583.66	5,604.48	5,596.93	7.55	742.067		
700.00	698.70	699.82	699.81	4.30	3.62	-40.33	-604.25	5,582.85	5,594.30	5,586.39	7.92	706.624		
790.00	787.61	795.52	795.50	4.57	3.72	-40.59	-603.33	5,582.01	5,582.78	5,574.50	8.28	673.970		
800.00	797.47	806.12	806.10	4.60	3.73	-40.60	-603.22	5,581.91	5,581.38	5,573.05	8.33	670.166		
900.00	896.01	912.09	912.05	4.94	3.84	-40.73	-602.05	5,580.84	5,567.27	5,558.50	8.77	634.836		
1,000.00	994.55	1,017.98	1,017.93	5.30	3.97	-40.87	-600.75	5,579.63	5,553.06	5,543.81	9.24	600.758		
1,100.00	1,093.09	1,123.80	1,123.73	5.68	4.11	-41.01	-599.30	5,578.30	5,538.73	5,528.99	9.74	568.387		
1,200.00	1,191.63	1,229.54	1,229.45	6.08	4.25	-41.14	-597.70	5,576.83	5,524.30	5,514.03	10.27	537.954		
1,300.00	1,290.17	1,337.60	1,337.48	6.49	4.45	-41.29	-595.93	5,575.19	5,509.76	5,498.89	10.87	507.063		
1,400.00	1,388.71	1,437.68	1,437.53	6.91	4.76	-41.42	-594.30	5,573.48	5,495.06	5,483.48	11.58	474.638		
1,500.00	1,487.25	1,526.41	1,526.25	7.34	5.05	-41.54	-593.20	5,572.08	5,480.54	5,468.26	12.28	446.310		
1,600.00	1,585.79	1,653.71	1,653.52	7.77	5.49	-41.70	-591.78	5,569.96	5,466.03	5,452.90	13.13	416.239		
1,700.00	1,684.34	1,790.94	1,790.70	8.22	5.98	-41.87	-591.14	5,566.51	5,450.70	5,436.66	14.04	388.164		
1,800.00	1,782.88	3,111.28	3,093.65	8.66	11.51	-43.22	-606.51	5,388.44	5,432.69	5,413.36	19.33	280.989		
1,900.00	1,881.42	3,302.96	3,278.51	9.12	12.45	-43.38	-611.20	5,338.08	5,394.62	5,374.10	20.51	262.993		
2,000.00	1,979.96	3,331.62	3,306.15	9.57	12.59	-43.41	-611.46	5,330.51	5,356.37	5,335.28	21.09	253.942		
2,100.00	2,078.50	3,365.00	3,338.45	10.03	12.75	-43.45	-611.77	5,322.10	5,319.24	5,297.54	21.70	245.135		
2,200.00	2,177.04	3,415.15	3,387.10	10.49	13.00	-43.50	-612.49	5,309.92	5,283.03	5,260.65	22.37	236.122		
2,300.00	2,275.58	3,699.87	3,662.22	10.95	14.44	-43.74	-620.89	5,237.21	5,246.51	5,222.60	23.91	219.419		
2,400.00	2,374.12	2,400.00	3,843.22	11.42	8.12	-43.88	-628.02	5,183.24	5,206.54	5,188.20	18.34	283.939		
2,500.00	2,472.66	4,017.74	3,966.01	11.89	16.15	-43.98	-632.91	5,144.52	5,165.00	5,138.92	26.08	198.076		
2,600.00	2,571.20	4,021.00	3,969.12	12.36	16.17	-43.98	-633.02	5,143.54	5,124.12	5,097.51	26.61	192.538		
2,700.00	2,669.74	4,075.48	4,021.21	12.83	16.46	-44.02	-635.05	5,127.71	5,083.93	5,056.60	27.34	185.978		
2,800.00	2,768.28	4,115.00	4,059.22	13.30	16.68	-44.05	-636.67	5,117.02	5,045.16	5,017.15	28.01	180.113		
2,900.00	2,866.83	4,138.67	4,082.06	13.78	16.80	-44.07	-637.66	5,110.89	5,007.45	4,978.82	28.63	174.882		
3,000.00	2,965.37	4,178.19	4,120.28	14.25	17.01	-44.10	-639.23	5,100.98	4,970.79	4,941.47	29.31	169.570		
3,100.00	3,063.91	4,208.00	4,149.19	14.73	17.17	-44.13	-640.36	5,093.79	4,935.15	4,905.19	29.96	164.702		
3,200.00	3,162.45	4,259.10	4,198.88	15.20	17.43	-44.17	-642.23	5,081.99	4,900.48	4,869.79	30.69	159.680		
3,300.00	3,260.99	4,302.00	4,240.71	15.68	17.65	-44.21	-643.80	5,072.60	4,866.85	4,835.46	31.39	155.050		
3,400.00	3,359.53	4,339.75	4,277.61	16.16	17.84	-44.24	-645.14	5,064.75	4,834.26	4,802.19	32.07	150.740		
3,500.00	3,458.07	4,396.00	4,332.75	16.64	18.11	-44.30	-646.99	5,053.81	4,802.83	4,770.02	32.82	146.349		
3,600.00	3,556.61	4,429.37	4,365.54	17.12	18.28	-44.33	-648.00	5,047.66	4,772.30	4,738.82	33.48	142.521		
3,700.00	3,655.15	4,490.00	4,425.18	17.60	18.57	-44.40	-649.68	5,036.89	4,742.64	4,708.39	34.25	138.477		
3,800.00	3,753.69	4,526.38	4,461.03	18.08	18.74	-44.44	-650.59	5,030.79	4,713.92	4,678.99	34.93	134.969		
3,900.00	3,852.23	4,583.00	4,516.97	18.56	19.01	-44.50	-651.89	5,022.11	4,686.45	4,650.78	35.67	131.366		
4,000.00	3,950.77	4,583.00	4,516.97	19.04	19.01	-44.50	-651.89	5,022.11	4,660.12	4,623.90	36.22	128.664		
4,100.00	4,049.31	4,631.78	4,565.29	19.52	19.23	-44.56	-652.88	5,015.58	4,635.01	4,598.08	36.93	125.494		
4,200.00	4,147.86	4,677.00	4,610.22	20.00	19.44	-44.61	-653.68	5,010.46	4,611.42	4,573.79	37.64	122.529		
4,300.00	4,246.40	4,706.35	4,639.41	20.49	19.57	-44.65	-654.09	5,007.52	4,589.04	4,550.77	38.27	119.902		
4,400.00	4,344.94	4,771.00	4,703.80	20.97	19.85	-44.74	-654.56	5,001.68	4,567.80	4,528.76	39.04	117.003		
4,500.00	4,443.48	4,799.46	4,732.17	21.45	19.97	-44.79	-654.55	4,999.43	4,547.56	4,507.89	39.67	114.644		
4,600.00	4,542.02	4,839.34	4,771.95	21.94	20.14	-44.85	-654.27	4,996.72	4,528.61	4,488.28	40.33	112.282		
4,700.00	4,640.56	4,864.00	4,796.57	22.42	20.25	-44.89	-653.93	4,995.31	4,511.00	4,470.07	40.93	110.203		
4,800.00	4,739.10	4,929.17	4,861.67	22.91	20.52	-45.00	-652.99	4,992.32	4,494.41	4,452.72	41.69	107.811		
4,900.00	4,837.64	4,983.09	4,915.55	23.39	20.74	-45.10	-652.39	4,990.58	4,479.00	4,436.60	42.40	105.649		
5,000.00	4,936.18	5,052.00	4,984.44	23.87	21.02	-45.21	-651.89	4,988.90	4,464.43	4,421.27	43.16	103.438		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,100.00	5,034.72	5,065.90	4,998.34	24.36	21.08	-45.23	-651.82	4,988.62	4,451.00	4,407.30	43.70	101.865		
5,200.00	5,133.26	5,065.90	4,998.34	24.84	21.08	-45.23	-651.82	4,988.62	4,439.72	4,395.57	44.16	100.548		
5,300.00	5,231.80	5,065.90	4,998.34	25.33	21.08	-45.23	-651.82	4,988.62	4,430.68	4,386.08	44.60	99.352		
5,400.00	5,330.34	5,065.90	4,998.34	25.82	21.08	-45.23	-651.82	4,988.62	4,423.88	4,378.86	45.02	98.274		
5,500.00	5,428.89	5,065.90	4,998.34	26.30	21.08	-45.23	-651.82	4,988.62	4,419.33	4,373.92	45.41	97.311		
5,600.00	5,527.43	5,065.90	4,998.34	26.79	21.08	-45.23	-651.82	4,988.62	4,417.04	4,371.25	45.79	96.460		
5,651.09	5,577.77	5,065.90	4,998.34	27.03	21.08	-45.23	-651.82	4,988.62	4,416.75	4,370.77	45.98	96.068	CC, ES	
5,700.00	5,625.97	5,065.90	4,998.34	27.27	21.08	-45.23	-651.82	4,988.62	4,417.02	4,370.87	46.15	95.719		
5,800.00	5,724.51	5,065.90	4,998.34	27.76	21.08	-45.23	-651.82	4,988.62	4,419.26	4,372.78	46.48	95.086		
5,900.00	5,823.05	5,065.90	4,998.34	28.24	21.08	-45.23	-651.82	4,988.62	4,423.76	4,376.97	46.78	94.557		
6,000.00	5,921.59	5,065.90	4,998.34	28.73	21.08	-45.23	-651.82	4,988.62	4,430.51	4,383.44	47.07	94.131		
6,100.00	6,020.13	5,065.90	4,998.34	29.22	21.08	-45.23	-651.82	4,988.62	4,439.50	4,392.18	47.33	93.805		
6,200.00	6,118.67	5,065.90	4,998.34	29.70	21.08	-45.23	-651.82	4,988.62	4,450.73	4,403.16	47.56	93.576		
6,300.00	6,217.21	5,065.90	4,998.34	30.19	21.08	-45.23	-651.82	4,988.62	4,464.16	4,416.39	47.77	93.443		
6,400.00	6,315.75	5,065.90	4,998.34	30.68	21.08	-45.23	-651.82	4,988.62	4,479.79	4,431.83	47.96	93.403	SF	
6,500.00	6,414.29	5,065.90	4,998.34	31.16	21.08	-45.23	-651.82	4,988.62	4,497.59	4,449.46	48.13	93.455		
6,582.51	6,495.60	5,065.90	4,998.34	31.57	21.08	-45.23	-651.82	4,988.62	4,513.89	4,465.65	48.24	93.564		
6,600.00	6,512.86	5,065.90	4,998.34	31.65	21.08	-52.73	-651.82	4,988.62	4,517.77	4,469.50	48.27	93.599		
6,650.00	6,562.39	5,065.90	4,998.34	31.88	21.08	-83.08	-651.82	4,988.62	4,531.75	4,483.43	48.32	93.782		
6,700.00	6,611.96	5,065.90	4,998.34	32.08	21.08	-115.84	-651.82	4,988.62	4,549.95	4,501.59	48.36	94.091		
6,750.00	6,661.26	5,065.90	4,998.34	32.27	21.08	-136.46	-651.82	4,988.62	4,572.18	4,523.81	48.37	94.528		
6,800.00	6,709.99	5,065.90	4,998.34	32.44	21.08	-147.63	-651.82	4,988.62	4,598.27	4,549.91	48.36	95.081		
6,850.00	6,757.84	5,065.90	4,998.34	32.61	21.08	-154.05	-651.82	4,988.62	4,627.98	4,579.64	48.34	95.736		
6,900.00	6,804.53	5,065.90	4,998.34	32.77	21.08	-158.02	-651.82	4,988.62	4,661.06	4,612.75	48.31	96.483		
6,950.00	6,849.77	5,065.90	4,998.34	32.92	21.08	-160.59	-651.82	4,988.62	4,697.24	4,648.97	48.27	97.310		
7,000.00	6,893.27	5,065.90	4,998.34	33.07	21.08	-162.27	-651.82	4,988.62	4,736.24	4,688.01	48.23	98.208		
7,050.00	6,934.77	5,065.90	4,998.34	33.23	21.08	-163.31	-651.82	4,988.62	4,777.74	4,729.56	48.18	99.163		
7,100.00	6,974.01	5,065.90	4,998.34	33.39	21.08	-163.82	-651.82	4,988.62	4,821.42	4,773.29	48.13	100.166		
7,150.00	7,010.75	5,065.90	4,998.34	33.55	21.08	-163.77	-651.82	4,988.62	4,866.97	4,818.88	48.09	101.204		
7,200.00	7,044.77	5,065.90	4,998.34	33.72	21.08	-163.02	-651.82	4,988.62	4,914.05	4,865.99	48.05	102.265		
7,250.00	7,075.85	5,065.90	4,998.34	33.92	21.08	-161.05	-651.82	4,988.62	4,962.33	4,914.31	48.02	103.337		
7,300.00	7,103.80	5,065.90	4,998.34	34.13	21.08	-156.17	-651.82	4,988.62	5,011.49	4,963.49	48.00	104.407		
7,350.00	7,128.45	5,065.90	4,998.34	34.38	21.08	-139.37	-651.82	4,988.62	5,061.20	5,013.21	47.99	105.464		
7,400.00	7,149.65	5,065.90	4,998.34	34.67	21.08	-53.75	-651.82	4,988.62	5,111.14	5,063.15	47.99	106.495		
7,450.00	7,167.26	5,065.90	4,998.34	35.00	21.08	-12.91	-651.82	4,988.62	5,161.01	5,112.99	48.01	107.490		
7,500.00	7,181.19	5,065.90	4,998.34	35.38	21.08	-4.31	-651.82	4,988.62	5,210.50	5,162.45	48.05	108.437		
7,550.00	7,191.34	5,065.90	4,998.34	35.81	21.08	-0.88	-651.82	4,988.62	5,259.32	5,211.21	48.11	109.326		
7,600.00	7,197.65	5,065.90	4,998.34	36.28	21.08	0.94	-651.82	4,988.62	5,307.19	5,259.01	48.18	110.146		
7,650.00	7,200.08	5,065.90	4,998.34	36.80	21.08	2.08	-651.82	4,988.62	5,353.85	5,305.57	48.28	110.889		
7,667.87	7,200.00	5,065.90	4,998.34	36.99	21.08	2.40	-651.82	4,988.62	5,370.19	5,321.87	48.32	111.141		
7,700.00	7,199.42	5,065.90	4,998.34	37.35	21.08	2.40	-651.82	4,988.62	5,399.40	5,351.00	48.39	111.570		
7,800.00	7,197.60	5,065.90	4,998.34	38.62	21.08	2.40	-651.82	4,988.62	5,490.52	5,441.89	48.63	112.900		
7,900.00	7,195.78	5,065.90	4,998.34	40.06	21.08	2.40	-651.82	4,988.62	5,581.95	5,533.09	48.86	114.238		
8,000.00	7,193.97	5,065.90	4,998.34	41.66	21.08	2.40	-651.82	4,988.62	5,673.67	5,624.58	49.09	115.581		
8,100.00	7,192.15	5,065.90	4,998.34	43.40	21.08	2.40	-651.82	4,988.62	5,765.66	5,716.35	49.31	116.932		
8,200.00	7,190.33	5,065.90	4,998.34	45.25	21.08	2.40	-651.82	4,988.62	5,857.91	5,808.39	49.52	118.287		
8,300.00	7,188.51	5,065.90	4,998.34	47.20	21.08	2.40	-651.82	4,988.62	5,950.42	5,900.68	49.73	119.649		
8,400.00	7,186.70	5,065.90	4,998.34	49.25	21.08	2.40	-651.82	4,988.62	6,043.16	5,993.22	49.94	121.015		
8,500.00	7,184.88	5,065.90	4,998.34	51.37	21.08	2.40	-651.82	4,988.62	6,136.13	6,085.99	50.14	122.386		
8,600.00	7,183.06	5,065.90	4,998.34	53.56	21.08	2.40	-651.82	4,988.62	6,229.32	6,178.99	50.33	123.761		
8,700.00	7,181.24	5,065.90	4,998.34	55.81	21.08	2.40	-651.82	4,988.62	6,322.72	6,272.19	50.52	125.141		
8,800.00	7,179.43	5,065.90	4,998.34	58.11	21.08	2.40	-651.82	4,988.62	6,416.31	6,365.60	50.71	126.524		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,177.61	5,065.90	4,998.34	60.46	21.08	2.40	-651.82	4,988.62	6,510.10	6,459.20	50.90	127.910		
9,000.00	7,175.79	5,065.90	4,998.34	62.85	21.08	2.40	-651.82	4,988.62	6,604.07	6,552.99	51.08	129.300		
9,100.00	7,173.98	5,065.90	4,998.34	65.28	21.08	2.40	-651.82	4,988.62	6,698.21	6,646.96	51.25	130.692		
9,200.00	7,172.16	5,065.90	4,998.34	67.74	21.08	2.40	-651.82	4,988.62	6,792.52	6,741.10	51.42	132.087		
9,300.00	7,170.34	5,065.90	4,998.34	70.23	21.08	2.40	-651.82	4,988.62	6,886.99	6,835.40	51.59	133.484		
9,400.00	7,168.52	5,065.90	4,998.34	72.74	21.08	2.40	-651.82	4,988.62	6,981.62	6,929.86	51.76	134.883		
9,500.00	7,166.71	5,065.90	4,998.34	75.28	21.08	2.40	-651.82	4,988.62	7,076.39	7,024.47	51.92	136.284		
9,600.00	7,164.89	5,065.90	4,998.34	77.84	21.08	2.40	-651.82	4,988.62	7,171.31	7,119.22	52.08	137.687		
9,700.00	7,163.07	5,065.90	4,998.34	80.43	21.08	2.40	-651.82	4,988.62	7,266.36	7,214.12	52.24	139.090		
9,800.00	7,161.26	5,065.90	4,998.34	83.02	21.08	2.40	-651.82	4,988.62	7,361.54	7,309.14	52.40	140.495		
9,900.00	7,159.44	5,065.90	4,998.34	85.64	21.08	2.40	-651.82	4,988.62	7,456.85	7,404.30	52.55	141.901		
10,000.00	7,157.62	5,065.90	4,998.34	88.27	21.08	2.40	-651.82	4,988.62	7,552.28	7,499.58	52.70	143.307		
10,100.00	7,155.80	5,065.90	4,998.34	90.91	21.08	2.40	-651.82	4,988.62	7,647.83	7,594.98	52.85	144.714		
10,200.00	7,153.99	5,065.90	4,998.34	93.56	21.08	2.40	-651.82	4,988.62	7,743.49	7,690.49	52.99	146.121		
10,300.00	7,152.17	5,065.90	4,998.34	96.23	21.08	2.40	-651.82	4,988.62	7,839.25	7,786.12	53.14	147.529		
10,400.00	7,150.35	5,065.90	4,998.34	98.90	21.08	2.40	-651.82	4,988.62	7,935.13	7,881.85	53.28	148.936		
10,500.00	7,148.54	5,065.90	4,998.34	101.59	21.08	2.40	-651.82	4,988.62	8,031.10	7,977.68	53.42	150.343		
10,600.00	7,146.72	5,065.90	4,998.34	104.28	21.08	2.40	-651.82	4,988.62	8,127.17	8,073.61	53.56	151.749		
10,700.00	7,144.90	5,065.90	4,998.34	106.98	21.08	2.40	-651.82	4,988.62	8,223.33	8,169.64	53.69	153.155		
10,800.00	7,143.08	5,065.90	4,998.34	109.69	21.08	2.40	-651.82	4,988.62	8,319.59	8,265.76	53.83	154.560		
10,900.00	7,141.27	5,065.90	4,998.34	112.41	21.08	2.40	-651.82	4,988.62	8,415.93	8,361.97	53.96	155.965		
11,000.00	7,139.45	5,065.90	4,998.34	115.13	21.08	2.40	-651.82	4,988.62	8,512.35	8,458.26	54.09	157.368		
11,100.00	7,137.63	5,065.90	4,998.34	117.86	21.08	2.40	-651.82	4,988.62	8,608.86	8,554.64	54.22	158.770		
11,200.00	7,135.82	5,065.90	4,998.34	120.59	21.08	2.40	-651.82	4,988.62	8,705.45	8,651.10	54.35	160.171		
11,300.00	7,134.00	5,065.90	4,998.34	123.33	21.08	2.40	-651.82	4,988.62	8,802.11	8,747.63	54.48	161.571		
11,400.00	7,132.18	5,065.90	4,998.34	126.07	21.08	2.40	-651.82	4,988.62	8,898.85	8,844.24	54.60	162.969		
11,500.00	7,130.36	5,065.90	4,998.34	128.82	21.08	2.40	-651.82	4,988.62	8,995.65	8,940.92	54.73	164.365		
11,600.00	7,128.55	5,065.90	4,998.34	131.57	21.08	2.40	-651.82	4,988.62	9,092.53	9,037.68	54.85	165.759		
11,700.00	7,126.73	5,065.90	4,998.34	134.33	21.08	2.40	-651.82	4,988.62	9,189.47	9,134.50	54.98	167.152		
11,800.00	7,124.91	5,065.90	4,998.34	137.09	21.08	2.40	-651.82	4,988.62	9,286.48	9,231.38	55.10	168.543		
11,900.00	7,123.10	5,065.90	4,998.34	139.85	21.08	2.40	-651.82	4,988.62	9,383.55	9,328.33	55.22	169.931		
12,000.00	7,121.28	5,065.90	4,998.34	142.62	21.08	2.40	-651.82	4,988.62	9,480.69	9,425.35	55.34	171.317		
12,100.00	7,119.46	5,065.90	4,998.34	145.39	21.08	2.40	-651.82	4,988.62	9,577.88	9,522.42	55.46	172.701		
12,200.00	7,117.64	5,065.90	4,998.34	148.16	21.08	2.40	-651.82	4,988.62	9,675.13	9,619.55	55.58	174.083		
12,300.00	7,115.83	5,065.90	4,998.34	150.94	21.08	2.40	-651.82	4,988.62	9,772.43	9,716.73	55.70	175.462		
12,400.00	7,114.01	5,065.90	4,998.34	153.72	21.08	2.40	-651.82	4,988.62	9,869.79	9,813.97	55.81	176.839		
12,500.00	7,112.19	5,065.90	4,998.34	156.50	21.08	2.40	-651.82	4,988.62	9,967.20	9,911.27	55.93	178.212		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.99	-587.34	5,597.42	5,628.38					
100.00	100.00	54.52	54.52	3.28	3.28	95.99	-587.44	5,597.39	5,628.13	5,621.57	6.57	857.057		
200.00	200.00	154.05	154.05	3.34	3.31	96.00	-588.05	5,597.22	5,628.02	5,621.37	6.65	846.642		
300.00	300.00	261.97	261.96	3.44	3.40	96.01	-588.81	5,597.05	5,627.95	5,621.10	6.85	821.741		
400.00	399.98	385.88	385.87	3.60	3.58	-40.02	-589.43	5,596.46	5,626.19	5,619.01	7.18	783.691		
500.00	499.84	486.87	486.86	3.79	3.78	-40.12	-589.62	5,595.75	5,621.51	5,613.94	7.57	742.994		
600.00	599.45	1,992.83	1,971.83	4.03	11.82	-42.01	-503.03	5,409.77	5,604.71	5,591.08	13.63	411.279		
700.00	698.70	2,233.31	2,201.95	4.30	14.33	-43.04	-470.26	5,348.16	5,568.78	5,553.59	15.18	366.747		
790.00	787.61	2,300.00	2,265.55	4.57	15.08	-43.73	-460.75	5,330.52	5,534.06	5,518.26	15.80	350.198		
800.00	797.47	2,306.85	2,272.09	4.60	15.16	-43.75	-459.75	5,328.72	5,530.12	5,514.24	15.88	348.333		
900.00	896.01	2,397.84	2,358.88	4.94	16.17	-44.00	-446.59	5,304.80	5,490.70	5,474.01	16.69	329.007		
1,000.00	994.55	2,519.46	2,474.72	5.30	17.57	-44.34	-428.56	5,272.44	5,451.04	5,433.31	17.73	307.479		
1,100.00	1,093.09	1,100.00	2,711.85	5.68	5.92	-45.12	-387.38	5,202.53	5,410.54	5,400.94	9.60	563.599		
1,200.00	1,191.63	2,834.99	2,772.82	6.08	21.66	-45.33	-376.21	5,183.35	5,368.23	5,347.74	20.49	261.953		
1,300.00	1,290.17	2,865.94	2,802.04	6.49	22.07	-45.43	-371.18	5,174.48	5,326.89	5,305.79	21.10	252.495		
1,400.00	1,388.71	2,900.00	2,834.35	6.91	22.52	-45.54	-365.97	5,165.05	5,286.60	5,264.86	21.74	243.147		
1,500.00	1,487.25	2,984.05	2,914.30	7.34	23.53	-45.79	-353.79	5,142.17	5,246.94	5,224.26	22.69	231.287		
1,600.00	1,585.79	3,100.00	3,024.44	7.77	24.98	-46.14	-337.44	5,109.81	5,206.69	5,182.85	23.84	218.435		
1,700.00	1,684.34	3,149.85	3,071.79	8.22	25.57	-46.30	-330.40	5,095.91	5,166.85	5,142.25	24.61	209.982		
1,800.00	1,782.88	3,200.00	3,119.67	8.66	26.17	-46.45	-323.39	5,082.75	5,128.27	5,102.88	25.39	201.964		
1,900.00	1,881.42	3,239.47	3,157.47	9.12	26.59	-46.57	-318.08	5,072.71	5,090.53	5,064.42	26.11	194.958		
2,000.00	1,979.96	3,317.54	3,232.36	9.57	27.41	-46.80	-308.58	5,052.81	5,053.17	5,026.13	27.04	186.860		
2,100.00	2,078.50	3,372.79	3,285.50	10.03	27.96	-46.96	-302.40	5,039.00	5,016.40	4,988.55	27.84	180.155		
2,200.00	2,177.04	3,435.06	3,345.53	10.49	28.56	-47.13	-295.82	5,023.82	4,980.32	4,951.64	28.68	173.639		
2,300.00	2,275.58	3,500.00	3,408.24	10.95	29.17	-47.31	-289.29	5,008.26	4,944.77	4,915.24	29.53	167.435		
2,400.00	2,374.12	3,567.60	3,473.60	11.42	29.78	-47.50	-282.49	4,992.40	4,909.77	4,879.37	30.40	161.505		
2,500.00	2,472.66	4,047.92	3,931.97	11.89	35.38	-49.06	-221.82	4,863.59	4,872.07	4,838.48	33.60	145.010		
2,600.00	2,571.20	4,100.00	3,980.86	12.36	36.16	-49.25	-213.52	4,847.65	4,830.57	4,796.02	34.55	139.808		
2,700.00	2,669.74	4,149.16	4,027.16	12.83	36.83	-49.44	-206.03	4,832.95	4,789.88	4,754.41	35.47	135.043		
2,800.00	2,768.28	4,200.00	4,075.40	13.30	37.52	-49.62	-199.14	4,818.43	4,750.36	4,713.96	36.40	130.487		
2,900.00	2,866.83	4,231.05	4,104.97	13.78	37.89	-49.73	-195.14	4,809.86	4,711.19	4,674.58	37.21	126.627		
3,000.00	2,965.37	4,280.75	4,152.36	14.25	38.47	-49.91	-188.44	4,796.46	4,674.17	4,636.04	38.13	122.590		
3,100.00	3,063.91	4,457.58	4,320.38	14.73	40.68	-50.58	-163.10	4,747.53	4,635.79	4,595.95	39.84	116.361		
3,200.00	3,162.45	4,700.00	4,547.64	15.20	44.36	-51.60	-123.12	4,673.39	4,594.01	4,551.79	42.23	108.792		
3,300.00	3,260.99	4,757.34	4,601.25	15.68	45.25	-51.84	-114.19	4,655.12	4,552.53	4,509.20	43.33	105.067		
3,400.00	3,359.53	4,800.00	4,641.34	16.16	45.91	-52.03	-107.35	4,642.22	4,512.41	4,468.07	44.35	101.756		
3,500.00	3,458.07	4,838.48	4,677.60	16.64	46.44	-52.20	-101.06	4,630.97	4,473.37	4,428.03	45.34	98.673		
3,600.00	3,556.61	4,900.00	4,735.65	17.12	47.28	-52.47	-90.75	4,613.43	4,435.27	4,388.77	46.50	95.390		
3,700.00	3,655.15	4,951.11	4,783.98	17.60	47.95	-52.70	-82.11	4,599.21	4,397.97	4,350.38	47.59	92.417		
3,800.00	3,753.69	5,000.00	4,830.28	18.08	48.58	-52.93	-73.93	4,585.82	4,361.43	4,312.75	48.68	89.603		
3,900.00	3,852.23	5,050.70	4,878.45	18.56	49.17	-53.16	-65.61	4,572.37	4,325.87	4,276.11	49.76	86.941		
4,000.00	3,950.77	5,100.00	4,925.50	19.04	49.75	-53.38	-57.73	4,559.92	4,291.52	4,240.69	50.84	84.420		
4,100.00	4,049.31	5,157.61	4,980.73	19.52	50.33	-53.63	-49.28	4,545.88	4,258.14	4,206.22	51.92	82.019		
4,200.00	4,147.86	5,200.00	5,021.52	20.00	50.76	-53.80	-43.87	4,535.73	4,225.50	4,172.59	52.91	79.859		
4,300.00	4,246.40	5,237.55	5,057.84	20.49	51.05	-53.95	-39.58	4,527.21	4,194.15	4,140.32	53.83	77.917		
4,400.00	4,344.94	5,264.80	5,084.34	20.97	51.27	-54.05	-36.71	4,521.54	4,164.41	4,109.71	54.70	76.136		
4,500.00	4,443.48	5,300.00	5,118.73	21.45	51.54	-54.18	-33.32	4,514.86	4,136.29	4,080.69	55.60	74.399		
4,600.00	4,542.02	5,346.22	5,164.05	21.94	51.81	-54.34	-29.31	4,506.71	4,109.52	4,053.03	56.49	72.744		
4,700.00	4,640.56	5,400.00	5,216.89	22.42	52.12	-54.53	-25.20	4,497.58	4,083.64	4,026.22	57.41	71.127		
4,800.00	4,739.10	5,447.72	5,263.91	22.91	52.34	-54.68	-22.03	4,490.04	4,058.88	4,000.61	58.28	69.646		
4,900.00	4,837.64	5,500.00	5,315.57	23.39	52.59	-54.85	-19.00	4,482.65	4,035.53	3,976.38	59.15	68.221		
5,000.00	4,936.18	5,500.00	5,315.57	23.87	52.59	-54.85	-19.00	4,482.65	4,013.76	3,953.91	59.85	67.063		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	5,563.05	5,378.09	24.36	52.81	-55.03	-15.85	4,475.14	3,993.05	3,932.34	60.71	65.770		
5,200.00	5,133.26	5,600.00	5,414.83	24.84	52.94	-55.14	-14.21	4,471.53	3,974.12	3,912.63	61.49	64.630		
5,300.00	5,231.80	5,661.91	5,476.45	25.33	53.12	-55.32	-11.55	4,466.23	3,956.42	3,894.10	62.32	63.486		
5,400.00	5,330.34	5,725.69	5,539.98	25.82	53.29	-55.50	-8.74	4,461.30	3,939.64	3,876.49	63.15	62.386		
5,500.00	5,428.89	5,800.00	5,614.04	26.30	53.48	-55.71	-5.57	4,456.21	3,923.74	3,859.74	64.00	61.306		
5,600.00	5,527.43	5,858.05	5,671.95	26.79	53.62	-55.87	-3.39	4,452.75	3,908.68	3,843.88	64.80	60.323		
5,700.00	5,625.97	5,928.51	5,742.29	27.27	53.78	-56.06	-1.41	4,449.15	3,894.44	3,828.82	65.61	59.355		
5,800.00	5,724.51	6,004.49	5,818.19	27.76	53.95	-56.24	-0.14	4,445.88	3,880.86	3,814.43	66.43	58.420		
5,900.00	5,823.05	6,083.85	5,897.49	28.24	54.12	-56.43	0.57	4,442.97	3,867.86	3,800.61	67.25	57.518		
6,000.00	5,921.59	6,171.03	5,984.63	28.73	54.30	-56.63	0.95	4,440.20	3,855.31	3,787.23	68.08	56.630		
6,100.00	6,020.13	6,263.66	6,077.21	29.22	54.50	-56.83	0.93	4,437.53	3,843.02	3,774.09	68.92	55.759		
6,200.00	6,118.67	6,352.07	6,165.60	29.70	54.68	-57.02	0.40	4,435.21	3,830.93	3,761.18	69.75	54.924		
6,300.00	6,217.21	6,451.37	6,264.87	30.19	54.89	-57.23	-0.50	4,432.92	3,819.14	3,748.54	70.60	54.092		
6,400.00	6,315.75	6,567.36	6,380.81	30.68	55.14	-57.46	-1.91	4,429.88	3,807.05	3,735.55	71.50	53.244		
6,500.00	6,414.29	6,669.46	6,482.85	31.16	55.36	-57.67	-3.36	4,426.92	3,794.69	3,722.33	72.36	52.438		
6,582.51	6,495.60	6,755.57	6,568.91	31.57	55.55	-57.85	-4.84	4,424.43	3,784.50	3,711.42	73.08	51.785		
6,600.00	6,512.86	6,774.61	6,587.94	31.65	55.59	-65.37	-5.14	4,423.85	3,782.56	3,709.33	73.23	51.650		
6,650.00	6,562.39	6,831.15	6,644.45	31.88	55.72	-95.84	-5.97	4,422.06	3,779.56	3,705.90	73.67	51.307		
6,664.82	6,577.09	6,848.44	6,661.73	31.94	55.76	-106.35	-6.22	4,421.49	3,779.40	3,705.61	73.79	51.220 CC, ES		
6,700.00	6,611.96	6,889.48	6,702.74	32.08	55.85	-128.79	-6.84	4,420.09	3,780.33	3,706.25	74.08	51.032		
6,750.00	6,661.26	6,931.43	6,744.66	32.27	55.95	-149.64	-7.51	4,418.66	3,784.93	3,710.50	74.42	50.857		
6,800.00	6,709.99	6,969.44	6,782.65	32.44	56.03	-161.14	-8.16	4,417.48	3,793.50	3,718.77	74.74	50.759		
6,850.00	6,757.84	7,012.49	6,825.67	32.61	56.13	-167.98	-8.97	4,416.28	3,805.98	3,730.94	75.04	50.720		
6,900.00	6,804.53	7,079.48	6,892.62	32.77	56.28	-172.52	-10.21	4,414.25	3,822.04	3,746.65	75.38	50.700		
6,950.00	6,849.77	7,213.49	7,026.47	32.92	56.60	-175.81	-12.39	4,408.32	3,841.18	3,765.31	75.87	50.629 SF		
7,000.00	6,893.27	7,225.33	7,038.30	33.07	56.63	-178.32	-12.51	4,407.75	3,863.43	3,787.37	76.06	50.797		
7,050.00	6,934.77	7,247.60	7,060.55	33.23	56.69	179.57	-12.72	4,406.71	3,889.28	3,813.03	76.24	51.012		
7,100.00	6,974.01	7,268.63	7,081.55	33.39	56.74	177.67	-12.85	4,405.82	3,918.53	3,842.13	76.41	51.286		
7,150.00	7,010.75	7,300.00	7,112.91	33.55	56.81	175.86	-12.92	4,404.67	3,951.01	3,874.44	76.58	51.595		
7,200.00	7,044.77	7,309.20	7,122.10	33.72	56.84	173.99	-12.92	4,404.36	3,986.38	3,909.71	76.67	51.994		
7,250.00	7,075.85	7,333.01	7,145.90	33.92	56.89	171.98	-12.92	4,403.61	4,024.43	3,947.64	76.78	52.412		
7,300.00	7,103.80	7,354.45	7,167.33	34.13	56.94	169.67	-12.90	4,402.98	4,064.86	3,987.99	76.88	52.875		
7,350.00	7,128.45	7,373.41	7,186.28	34.38	56.99	166.88	-12.89	4,402.45	4,107.42	4,030.47	76.95	53.379		
7,400.00	7,149.65	7,389.77	7,202.64	34.67	57.03	163.32	-12.87	4,402.02	4,151.82	4,074.83	77.00	53.921		
7,450.00	7,167.26	7,400.00	7,212.86	35.00	57.05	158.43	-12.85	4,401.76	4,197.78	4,120.77	77.02	54.504		
7,500.00	7,181.19	7,400.00	7,212.86	35.38	57.05	151.22	-12.85	4,401.76	4,245.04	4,168.04	77.00	55.133		
7,550.00	7,191.34	7,400.00	7,212.86	35.81	57.05	140.11	-12.85	4,401.76	4,293.27	4,216.31	76.97	55.781		
7,600.00	7,197.65	7,400.00	7,212.86	36.28	57.05	122.67	-12.85	4,401.76	4,342.16	4,265.23	76.93	56.442		
7,650.00	7,200.08	7,400.00	7,212.86	36.80	57.05	98.17	-12.85	4,401.76	4,391.39	4,314.50	76.89	57.110		
7,667.87	7,200.00	7,400.00	7,212.86	36.99	57.05	88.76	-12.85	4,401.76	4,409.01	4,332.13	76.88	57.349		
7,700.00	7,199.42	7,400.00	7,212.86	37.35	57.05	88.76	-12.85	4,401.76	4,440.68	4,363.82	76.86	57.779		
7,800.00	7,197.60	7,400.00	7,212.86	38.62	57.05	88.76	-12.85	4,401.76	4,539.29	4,462.51	76.79	59.115		
7,900.00	7,195.78	7,400.00	7,212.86	40.06	57.05	88.76	-12.85	4,401.76	4,637.97	4,561.24	76.73	60.447		
8,000.00	7,193.97	7,400.00	7,212.86	41.66	57.05	88.76	-12.85	4,401.76	4,736.70	4,660.02	76.68	61.775		
8,100.00	7,192.15	7,400.00	7,212.86	43.40	57.05	88.76	-12.85	4,401.76	4,835.48	4,758.85	76.63	63.100		
8,200.00	7,190.33	7,400.00	7,212.86	45.25	57.05	88.76	-12.85	4,401.76	4,934.31	4,857.72	76.59	64.422		
8,300.00	7,188.51	7,400.00	7,212.86	47.20	57.05	88.76	-12.85	4,401.76	5,033.19	4,956.63	76.56	65.740		
8,400.00	7,186.70	7,400.00	7,212.86	49.25	57.05	88.76	-12.85	4,401.76	5,132.11	5,055.58	76.54	67.055		
8,500.00	7,184.88	7,400.00	7,212.86	51.37	57.05	88.76	-12.85	4,401.76	5,231.08	5,154.56	76.52	68.366		
8,600.00	7,183.06	7,400.00	7,212.86	53.56	57.05	88.76	-12.85	4,401.76	5,330.08	5,253.58	76.50	69.675		
8,700.00	7,181.24	7,400.00	7,212.86	55.81	57.05	88.76	-12.85	4,401.76	5,429.11	5,352.63	76.49	70.980		
8,800.00	7,179.43	7,400.00	7,212.86	58.11	57.05	88.76	-12.85	4,401.76	5,528.19	5,451.71	76.48	72.282		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	7,400.00	7,212.86	60.46	57.05	88.76	-12.85	4,401.76	5,627.29	5,550.82	76.48	73.581		
9,000.00	7,175.79	7,400.00	7,212.86	62.85	57.05	88.76	-12.85	4,401.76	5,726.43	5,649.95	76.48	74.878		
9,100.00	7,173.98	7,400.00	7,212.86	65.28	57.05	88.76	-12.85	4,401.76	5,825.59	5,749.11	76.48	76.171		
9,200.00	7,172.16	7,400.00	7,212.86	67.74	57.05	88.76	-12.85	4,401.76	5,924.79	5,848.30	76.49	77.462		
9,300.00	7,170.34	7,400.00	7,212.86	70.23	57.05	88.76	-12.85	4,401.76	6,024.01	5,947.51	76.50	78.749		
9,400.00	7,168.52	7,400.00	7,212.86	72.74	57.05	88.76	-12.85	4,401.76	6,123.26	6,046.75	76.51	80.034		
9,500.00	7,166.71	7,400.00	7,212.86	75.28	57.05	88.76	-12.85	4,401.76	6,222.53	6,146.00	76.52	81.316		
9,600.00	7,164.89	7,400.00	7,212.86	77.84	57.05	88.76	-12.85	4,401.76	6,321.82	6,245.28	76.54	82.595		
9,700.00	7,163.07	7,400.00	7,212.86	80.43	57.05	88.76	-12.85	4,401.76	6,421.13	6,344.57	76.56	83.871		
9,800.00	7,161.26	7,400.00	7,212.86	83.02	57.05	88.76	-12.85	4,401.76	6,520.47	6,443.89	76.58	85.145		
9,900.00	7,159.44	7,400.00	7,212.86	85.64	57.05	88.76	-12.85	4,401.76	6,619.83	6,543.22	76.60	86.415		
10,000.00	7,157.62	7,400.00	7,212.86	88.27	57.05	88.76	-12.85	4,401.76	6,719.20	6,642.57	76.63	87.683		
10,100.00	7,155.80	7,400.00	7,212.86	90.91	57.05	88.76	-12.85	4,401.76	6,818.59	6,741.94	76.66	88.948		
10,200.00	7,153.99	7,400.00	7,212.86	93.56	57.05	88.76	-12.85	4,401.76	6,918.00	6,841.32	76.69	90.211		
10,300.00	7,152.17	7,400.00	7,212.86	96.23	57.05	88.76	-12.85	4,401.76	7,017.43	6,940.71	76.72	91.470		
10,400.00	7,150.35	7,400.00	7,212.86	98.90	57.05	88.76	-12.85	4,401.76	7,116.88	7,040.13	76.75	92.727		
10,500.00	7,148.54	7,400.00	7,212.86	101.59	57.05	88.76	-12.85	4,401.76	7,216.34	7,139.55	76.78	93.981		
10,600.00	7,146.72	7,400.00	7,212.86	104.28	57.05	88.76	-12.85	4,401.76	7,315.81	7,238.99	76.82	95.232		
10,700.00	7,144.90	7,400.00	7,212.86	106.98	57.05	88.76	-12.85	4,401.76	7,415.30	7,338.44	76.86	96.481		
10,800.00	7,143.08	7,400.00	7,212.86	109.69	57.05	88.76	-12.85	4,401.76	7,514.80	7,437.90	76.90	97.727		
10,900.00	7,141.27	7,400.00	7,212.86	112.41	57.05	88.76	-12.85	4,401.76	7,614.31	7,537.38	76.94	98.969		
11,000.00	7,139.45	7,400.00	7,212.86	115.13	57.05	88.76	-12.85	4,401.76	7,713.84	7,636.86	76.98	100.209		
11,100.00	7,137.63	7,400.00	7,212.86	117.86	57.05	88.76	-12.85	4,401.76	7,813.38	7,736.36	77.02	101.447		
11,200.00	7,135.82	7,400.00	7,212.86	120.59	57.05	88.76	-12.85	4,401.76	7,912.93	7,835.87	77.06	102.681		
11,300.00	7,134.00	7,400.00	7,212.86	123.33	57.05	88.76	-12.85	4,401.76	8,012.49	7,935.38	77.11	103.912		
11,400.00	7,132.18	7,400.00	7,212.86	126.07	57.05	88.76	-12.85	4,401.76	8,112.06	8,034.91	77.15	105.141		
11,500.00	7,130.36	7,400.00	7,212.86	128.82	57.05	88.76	-12.85	4,401.76	8,211.65	8,134.45	77.20	106.367		
11,600.00	7,128.55	7,400.00	7,212.86	131.57	57.05	88.76	-12.85	4,401.76	8,311.24	8,233.99	77.25	107.590		
11,700.00	7,126.73	7,400.00	7,212.86	134.33	57.05	88.76	-12.85	4,401.76	8,410.84	8,333.55	77.30	108.810		
11,800.00	7,124.91	7,400.00	7,212.86	137.09	57.05	88.76	-12.85	4,401.76	8,510.46	8,433.11	77.35	110.027		
11,900.00	7,123.10	7,400.00	7,212.86	139.85	57.05	88.76	-12.85	4,401.76	8,610.08	8,532.68	77.40	111.241		
12,000.00	7,121.28	7,400.00	7,212.86	142.62	57.05	88.76	-12.85	4,401.76	8,709.71	8,632.25	77.45	112.452		
12,100.00	7,119.46	7,400.00	7,212.86	145.39	57.05	88.76	-12.85	4,401.76	8,809.35	8,731.84	77.51	113.660		
12,200.00	7,117.64	7,400.00	7,212.86	148.16	57.05	88.76	-12.85	4,401.76	8,908.99	8,831.43	77.56	114.866		
12,300.00	7,115.83	7,400.00	7,212.86	150.94	57.05	88.76	-12.85	4,401.76	9,008.65	8,931.03	77.62	116.068		
12,400.00	7,114.01	7,400.00	7,212.86	153.72	57.05	88.76	-12.85	4,401.76	9,108.31	9,030.64	77.67	117.267		
12,500.00	7,112.19	7,400.00	7,212.86	156.50	57.05	88.76	-12.85	4,401.76	9,207.98	9,130.25	77.73	118.463		
12,600.00	7,110.37	7,400.00	7,212.86	159.28	57.05	88.76	-12.85	4,401.76	9,307.65	9,229.87	77.79	119.657		
12,700.00	7,108.56	7,400.00	7,212.86	162.07	57.05	88.76	-12.85	4,401.76	9,407.34	9,329.49	77.85	120.847		
12,800.00	7,106.74	7,400.00	7,212.86	164.86	57.05	88.76	-12.85	4,401.76	9,507.03	9,429.12	77.90	122.034		
12,900.00	7,104.92	7,400.00	7,212.86	167.65	57.05	88.76	-12.85	4,401.76	9,606.72	9,528.76	77.97	123.218		
13,000.00	7,103.11	7,400.00	7,212.86	170.44	57.05	88.76	-12.85	4,401.76	9,706.42	9,628.40	78.03	124.399		
13,100.00	7,101.29	7,400.00	7,212.86	173.23	57.05	88.76	-12.85	4,401.76	9,806.13	9,728.04	78.09	125.577		
13,200.00	7,099.47	7,400.00	7,212.86	176.03	57.05	88.76	-12.85	4,401.76	9,905.85	9,827.70	78.15	126.752		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	1,286.14	1,264.12	3.28	10.08	97.37	-699.07	5,407.92	5,609.03					
100.00	100.00	1,441.01	1,411.43	3.28	11.94	97.69	-724.47	5,367.42	5,584.58	5,571.85	12.72	438.943		
200.00	200.00	1,500.00	1,467.45	3.34	12.65	97.82	-734.74	5,352.08	5,560.60	5,547.36	13.24	420.098		
300.00	300.00	1,550.95	1,515.88	3.44	13.24	97.93	-743.88	5,339.17	5,537.38	5,523.64	13.74	403.020		
400.00	399.98	1,614.32	1,576.28	3.60	13.97	-38.24	-754.97	5,323.53	5,513.53	5,499.13	14.40	382.877		
500.00	499.84	1,707.14	1,664.84	3.79	15.00	-38.40	-771.11	5,300.87	5,487.35	5,472.01	15.34	357.668		
600.00	599.45	1,932.02	1,879.10	4.03	17.58	-38.43	-808.32	5,243.68	5,457.58	5,440.16	17.42	313.350		
700.00	698.70	2,000.00	1,943.92	4.30	18.37	-38.79	-818.60	5,225.96	5,424.38	5,406.18	18.20	298.057		
790.00	787.61	2,056.52	1,997.87	4.57	19.01	-39.16	-827.24	5,211.49	5,392.73	5,373.84	18.89	285.493		
800.00	797.47	2,065.21	2,006.16	4.60	19.11	-39.15	-828.59	5,209.27	5,389.11	5,370.12	18.99	283.760		
900.00	896.01	2,140.10	2,077.61	4.94	19.96	-39.07	-840.38	5,190.18	5,353.04	5,333.17	19.87	269.353		
1,000.00	994.55	2,200.00	2,134.80	5.30	20.63	-39.01	-849.96	5,175.15	5,317.41	5,296.75	20.67	257.292		
1,100.00	1,093.09	2,262.59	2,194.57	5.68	21.31	-38.95	-860.33	5,159.77	5,282.36	5,260.85	21.51	245.557		
1,200.00	1,191.63	2,370.22	2,297.47	6.08	22.46	-38.83	-878.37	5,133.87	5,247.82	5,225.10	22.72	230.984		
1,300.00	1,290.17	2,519.94	2,440.98	6.49	24.03	-38.71	-899.09	5,096.58	5,212.00	5,187.82	24.18	215.521		
1,400.00	1,388.71	2,568.94	2,487.93	6.91	24.55	-38.67	-906.06	5,084.42	5,176.45	5,151.51	24.94	207.578		
1,500.00	1,487.25	2,858.08	2,763.70	7.34	27.90	-38.40	-948.53	5,008.75	5,139.98	5,112.43	27.54	186.606		
1,600.00	1,585.79	3,012.28	2,909.71	7.77	29.93	-38.24	-971.12	4,964.59	5,100.97	5,071.75	29.22	174.573		
1,700.00	1,684.34	3,154.53	3,043.78	8.22	31.96	-38.08	-992.43	4,922.10	5,060.76	5,029.89	30.88	163.911		
1,800.00	1,782.88	3,232.26	3,117.05	8.66	33.05	-38.00	-1,003.20	4,898.51	5,020.02	4,988.05	31.97	157.023		
1,900.00	1,881.42	3,279.74	3,161.99	9.12	33.70	-37.96	-1,009.44	4,884.52	4,979.99	4,947.18	32.81	151.767		
2,000.00	1,979.96	2,000.00	3,263.38	9.57	16.30	-37.85	-1,024.27	4,853.07	4,940.16	4,917.98	22.19	222.642		
2,100.00	2,078.50	3,455.28	3,327.84	10.03	36.12	-37.77	-1,034.52	4,832.79	4,900.27	4,865.06	35.21	139.177		
2,200.00	2,177.04	3,506.45	3,376.30	10.49	36.82	-37.71	-1,042.03	4,818.16	4,861.25	4,825.12	36.13	134.546		
2,300.00	2,275.58	4,096.16	3,928.83	10.95	46.26	-37.13	-1,114.95	4,627.81	4,821.77	4,780.46	41.31	116.720		
2,400.00	2,374.12	4,167.79	3,993.98	11.42	47.87	-37.01	-1,126.65	4,600.44	4,773.98	4,731.31	42.68	111.863		
2,500.00	2,472.66	4,200.00	4,023.33	11.89	48.59	-36.95	-1,131.85	4,588.21	4,726.72	4,683.10	43.62	108.362		
2,600.00	2,571.20	4,250.94	4,069.98	12.36	49.61	-36.87	-1,139.82	4,569.38	4,680.24	4,635.52	44.72	104.662		
2,700.00	2,669.74	4,300.00	4,115.33	12.83	50.59	-36.79	-1,147.04	4,552.12	4,634.98	4,589.18	45.80	101.194		
2,800.00	2,768.28	4,378.33	4,188.01	13.30	52.03	-36.68	-1,158.01	4,525.04	4,590.34	4,543.24	47.10	97.456		
2,900.00	2,866.83	4,470.89	4,273.68	13.78	53.77	-36.55	-1,171.24	4,492.61	4,545.37	4,496.79	48.58	93.573		
3,000.00	2,965.37	4,527.10	4,325.55	14.25	54.82	-36.45	-1,180.25	4,472.91	4,500.68	4,450.93	49.75	90.467		
3,100.00	3,063.91	4,569.09	4,364.38	14.73	55.60	-36.37	-1,187.31	4,458.57	4,456.91	4,406.11	50.80	87.726		
3,200.00	3,162.45	4,600.00	4,393.03	15.20	56.18	-36.31	-1,192.66	4,448.27	4,414.15	4,362.39	51.75	85.291		
3,300.00	3,260.99	4,660.43	4,449.17	15.68	57.21	-36.19	-1,203.42	4,428.66	4,372.23	4,319.24	53.00	82.500		
3,400.00	3,359.53	4,700.00	4,486.01	16.16	57.88	-36.11	-1,210.65	4,416.18	4,331.28	4,277.24	54.04	80.154		
3,500.00	3,458.07	4,752.57	4,535.21	16.64	58.66	-36.01	-1,219.97	4,400.17	4,291.27	4,236.12	55.15	77.809		
3,600.00	3,556.61	4,800.00	4,579.92	17.12	59.36	-35.93	-1,227.72	4,386.37	4,252.28	4,196.07	56.22	75.640		
3,700.00	3,655.15	4,854.33	4,631.48	17.60	60.03	-35.85	-1,235.72	4,371.21	4,214.21	4,156.97	57.24	73.626		
3,800.00	3,753.69	4,900.00	4,675.06	18.08	60.60	-35.79	-1,241.62	4,358.93	4,176.94	4,118.75	58.19	71.779		
3,900.00	3,852.23	4,941.25	4,714.67	18.56	60.99	-35.75	-1,246.35	4,348.42	4,140.80	4,081.76	59.03	70.146		
4,000.00	3,950.77	5,000.00	4,771.52	19.04	61.55	-35.72	-1,252.17	4,334.80	4,106.19	4,046.24	59.95	68.494		
4,100.00	4,049.31	5,029.00	4,799.70	19.52	61.78	-35.70	-1,254.78	4,328.48	4,072.49	4,011.80	60.69	67.109		
4,200.00	4,147.86	5,100.00	4,868.71	20.00	62.33	-35.67	-1,261.12	4,313.03	4,039.39	3,977.80	61.59	65.588		
4,300.00	4,246.40	5,156.94	4,924.18	20.49	62.73	-35.65	-1,265.93	4,301.12	4,007.05	3,944.65	62.40	64.213		
4,400.00	4,344.94	5,200.00	4,966.29	20.97	63.03	-35.64	-1,269.23	4,292.74	3,975.89	3,912.73	63.16	62.949		
4,500.00	4,443.48	5,241.87	5,007.37	21.45	63.25	-35.64	-1,272.15	4,285.20	3,945.99	3,882.12	63.87	61.786		
4,600.00	4,542.02	5,300.00	5,064.64	21.94	63.56	-35.64	-1,275.73	4,275.89	3,917.57	3,852.97	64.61	60.637		
4,700.00	4,640.56	5,300.00	5,064.64	22.42	63.56	-35.64	-1,275.73	4,275.89	3,890.46	3,825.29	65.17	59.702		
4,800.00	4,739.10	5,366.11	5,130.03	22.91	63.81	-35.67	-1,279.19	4,266.82	3,864.49	3,798.63	65.86	58.677		
4,900.00	4,837.64	5,400.00	5,163.64	23.39	63.93	-35.68	-1,280.74	4,262.76	3,840.03	3,773.56	66.47	57.773		
5,000.00	4,936.18	5,465.00	5,228.22	23.87	64.12	-35.72	-1,283.29	4,255.86	3,816.68	3,749.57	67.11	56.873		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,034.72	5,519.72	5,282.68	24.36	64.26	-35.77	-1,285.04	4,250.85	3,794.49	3,726.78	67.71	56.037		
5,200.00	5,133.26	5,577.40	5,340.15	24.84	64.40	-35.82	-1,286.67	4,246.23	3,773.36	3,705.05	68.31	55.242		
5,300.00	5,231.80	5,635.35	5,397.94	25.33	64.52	-35.87	-1,288.13	4,242.24	3,753.26	3,684.38	68.88	54.486		
5,400.00	5,330.34	5,700.00	5,462.47	25.82	64.65	-35.94	-1,289.63	4,238.55	3,734.23	3,664.76	69.47	53.757		
5,500.00	5,428.89	5,745.50	5,507.92	26.30	64.73	-35.99	-1,290.49	4,236.52	3,716.30	3,646.32	69.99	53.099		
5,600.00	5,527.43	5,800.00	5,562.39	26.79	64.83	-36.06	-1,291.14	4,234.85	3,699.65	3,629.13	70.52	52.466		
5,700.00	5,625.97	5,875.37	5,637.74	27.27	64.95	-36.17	-1,291.65	4,233.30	3,683.92	3,612.84	71.07	51.833		
5,800.00	5,724.51	5,952.30	5,714.67	27.76	65.08	-36.28	-1,291.98	4,232.14	3,668.72	3,597.09	71.63	51.219		
5,900.00	5,823.05	6,034.75	5,797.10	28.24	65.21	-36.41	-1,292.28	4,231.41	3,654.13	3,581.93	72.19	50.615		
6,000.00	5,921.59	6,127.11	5,889.46	28.73	65.36	-36.55	-1,292.61	4,230.79	3,639.78	3,567.00	72.78	50.008		
6,100.00	6,020.13	6,215.03	5,977.38	29.22	65.50	-36.68	-1,292.95	4,230.43	3,625.71	3,552.34	73.36	49.420		
6,200.00	6,118.67	6,304.01	6,066.36	29.70	65.65	-36.82	-1,293.34	4,230.31	3,611.94	3,537.99	73.95	48.844		
6,300.00	6,217.21	6,406.43	6,168.78	30.19	65.82	-36.98	-1,293.81	4,230.24	3,598.26	3,523.69	74.57	48.254		
6,400.00	6,315.75	6,500.01	6,262.36	30.68	65.98	-37.13	-1,294.11	4,230.22	3,584.64	3,509.47	75.17	47.688		
6,500.00	6,414.29	6,584.68	6,347.03	31.16	66.13	-37.27	-1,294.27	4,230.44	3,571.30	3,495.55	75.74	47.149		
6,582.51	6,495.60	6,664.92	6,427.27	31.57	66.27	-37.41	-1,294.41	4,230.85	3,560.51	3,484.26	76.25	46.697		
6,600.00	6,512.86	6,682.57	6,444.92	31.65	66.30	-44.98	-1,294.44	4,230.94	3,558.46	3,482.10	76.36	46.604		
6,650.00	6,562.39	6,735.23	6,497.58	31.88	66.40	-75.54	-1,294.54	4,231.17	3,555.17	3,478.51	76.66	46.377		
6,668.04	6,580.29	6,754.64	6,516.98	31.95	66.43	-88.31	-1,294.56	4,231.25	3,554.92	3,478.16	76.76	46.312 CC, ES		
6,700.00	6,611.96	6,788.95	6,551.30	32.08	66.49	-108.48	-1,294.56	4,231.37	3,555.70	3,478.76	76.94	46.214		
6,750.00	6,661.26	6,832.14	6,594.49	32.27	66.57	-129.23	-1,294.56	4,231.52	3,560.11	3,482.94	77.17	46.133		
6,800.00	6,709.99	6,872.18	6,634.53	32.44	66.64	-140.50	-1,294.68	4,231.74	3,568.48	3,491.11	77.37	46.124 SF		
6,850.00	6,757.84	6,900.00	6,662.35	32.61	66.69	-146.97	-1,294.83	4,231.94	3,580.78	3,503.27	77.51	46.199		
6,900.00	6,804.53	6,900.00	6,662.35	32.77	66.69	-150.88	-1,294.83	4,231.94	3,597.30	3,519.76	77.54	46.393		
6,950.00	6,849.77	6,900.00	6,662.35	32.92	66.69	-153.35	-1,294.83	4,231.94	3,617.99	3,540.46	77.54	46.661		
7,000.00	6,893.27	6,900.00	6,662.35	33.07	66.69	-154.91	-1,294.83	4,231.94	3,642.67	3,565.16	77.51	46.997		
7,050.00	6,934.77	6,900.00	6,662.35	33.23	66.69	-155.81	-1,294.83	4,231.94	3,671.10	3,593.64	77.46	47.396		
7,100.00	6,974.01	6,900.00	6,662.35	33.39	66.69	-156.18	-1,294.83	4,231.94	3,703.02	3,625.64	77.38	47.853		
7,150.00	7,010.75	6,900.00	6,662.35	33.55	66.69	-156.07	-1,294.83	4,231.94	3,738.15	3,660.86	77.29	48.362		
7,200.00	7,044.77	6,900.00	6,662.35	33.72	66.69	-155.49	-1,294.83	4,231.94	3,776.19	3,698.99	77.20	48.917		
7,250.00	7,075.85	6,900.00	6,662.35	33.92	66.69	-154.35	-1,294.83	4,231.94	3,816.81	3,739.72	77.09	49.511		
7,300.00	7,103.80	6,900.00	6,662.35	34.13	66.69	-152.51	-1,294.83	4,231.94	3,859.69	3,782.71	76.98	50.138		
7,350.00	7,128.45	6,900.00	6,662.35	34.38	66.69	-149.68	-1,294.83	4,231.94	3,904.50	3,827.63	76.88	50.790		
7,400.00	7,149.65	6,900.00	6,662.35	34.67	66.69	-145.31	-1,294.83	4,231.94	3,950.90	3,874.12	76.77	51.461		
7,450.00	7,167.26	6,900.00	6,662.35	35.00	66.69	-138.35	-1,294.83	4,231.94	3,998.55	3,921.86	76.68	52.144		
7,500.00	7,181.19	6,900.00	6,662.35	35.38	66.69	-126.69	-1,294.83	4,231.94	4,047.12	3,970.51	76.60	52.832		
7,550.00	7,191.34	6,900.00	6,662.35	35.81	66.69	-106.75	-1,294.83	4,231.94	4,096.28	4,019.74	76.54	53.519		
7,600.00	7,197.65	6,900.00	6,662.35	36.28	66.69	-77.84	-1,294.83	4,231.94	4,145.71	4,069.22	76.49	54.199		
7,650.00	7,200.08	6,900.00	6,662.35	36.80	66.69	-50.79	-1,294.83	4,231.94	4,195.11	4,118.65	76.46	54.866		
7,667.87	7,200.00	6,900.00	6,662.35	36.99	66.69	-43.49	-1,294.83	4,231.94	4,212.70	4,136.25	76.45	55.101		
7,700.00	7,199.42	6,900.00	6,662.35	37.35	66.69	-43.49	-1,294.83	4,231.94	4,244.29	4,167.84	76.45	55.520		
7,800.00	7,197.60	6,900.00	6,662.35	38.62	66.69	-43.49	-1,294.83	4,231.94	4,342.64	4,266.22	76.43	56.822		
7,900.00	7,195.78	6,900.00	6,662.35	40.06	66.69	-43.49	-1,294.83	4,231.94	4,441.07	4,364.66	76.41	58.122		
8,000.00	7,193.97	6,900.00	6,662.35	41.66	66.69	-43.49	-1,294.83	4,231.94	4,539.56	4,463.17	76.40	59.421		
8,100.00	7,192.15	6,900.00	6,662.35	43.40	66.69	-43.49	-1,294.83	4,231.94	4,638.12	4,561.73	76.39	60.718		
8,200.00	7,190.33	6,900.00	6,662.35	45.25	66.69	-43.49	-1,294.83	4,231.94	4,736.74	4,660.36	76.38	62.013		
8,300.00	7,188.51	6,900.00	6,662.35	47.20	66.69	-43.49	-1,294.83	4,231.94	4,835.42	4,759.04	76.38	63.307		
8,400.00	7,186.70	6,900.00	6,662.35	49.25	66.69	-43.49	-1,294.83	4,231.94	4,934.15	4,857.77	76.38	64.599		
8,500.00	7,184.88	6,900.00	6,662.35	51.37	66.69	-43.49	-1,294.83	4,231.94	5,032.93	4,956.54	76.38	65.889		
8,600.00	7,183.06	6,900.00	6,662.35	53.56	66.69	-43.49	-1,294.83	4,231.94	5,131.76	5,055.36	76.39	67.178		
8,700.00	7,181.24	6,900.00	6,662.35	55.81	66.69	-43.49	-1,294.83	4,231.94	5,230.63	5,154.23	76.40	68.464		
8,800.00	7,179.43	6,900.00	6,662.35	58.11	66.69	-43.49	-1,294.83	4,231.94	5,329.54	5,253.13	76.41	69.749		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	6,900.00	6,662.35	60.46	66.69	-43.49	-1,294.83	4,231.94	5,428.49	5,352.07	76.42	71.032		
9,000.00	7,175.79	6,900.00	6,662.35	62.85	66.69	-43.49	-1,294.83	4,231.94	5,527.49	5,451.05	76.44	72.314		
9,100.00	7,173.98	6,900.00	6,662.35	65.28	66.69	-43.49	-1,294.83	4,231.94	5,626.51	5,550.06	76.45	73.593		
9,200.00	7,172.16	6,900.00	6,662.35	67.74	66.69	-43.49	-1,294.83	4,231.94	5,725.57	5,649.10	76.47	74.871		
9,300.00	7,170.34	6,900.00	6,662.35	70.23	66.69	-43.49	-1,294.83	4,231.94	5,824.67	5,748.17	76.49	76.147		
9,400.00	7,168.52	6,900.00	6,662.35	72.74	66.69	-43.49	-1,294.83	4,231.94	5,923.79	5,847.28	76.51	77.421		
9,500.00	7,166.71	6,900.00	6,662.35	75.28	66.69	-43.49	-1,294.83	4,231.94	6,022.94	5,946.41	76.54	78.693		
9,600.00	7,164.89	6,900.00	6,662.35	77.84	66.69	-43.49	-1,294.83	4,231.94	6,122.12	6,045.56	76.56	79.963		
9,700.00	7,163.07	6,900.00	6,662.35	80.43	66.69	-43.49	-1,294.83	4,231.94	6,221.33	6,144.74	76.59	81.231		
9,800.00	7,161.26	6,900.00	6,662.35	83.02	66.69	-43.49	-1,294.83	4,231.94	6,320.56	6,243.94	76.62	82.497		
9,900.00	7,159.44	6,900.00	6,662.35	85.64	66.69	-43.49	-1,294.83	4,231.94	6,419.82	6,343.17	76.64	83.760		
10,000.00	7,157.62	6,900.00	6,662.35	88.27	66.69	-43.49	-1,294.83	4,231.94	6,519.09	6,442.42	76.68	85.022		
10,100.00	7,155.80	6,900.00	6,662.35	90.91	66.69	-43.49	-1,294.83	4,231.94	6,618.39	6,541.69	76.71	86.282		
10,200.00	7,153.99	6,900.00	6,662.35	93.56	66.69	-43.49	-1,294.83	4,231.94	6,717.71	6,640.97	76.74	87.540		
10,300.00	7,152.17	6,900.00	6,662.35	96.23	66.69	-43.49	-1,294.83	4,231.94	6,817.05	6,740.28	76.77	88.795		
10,400.00	7,150.35	6,900.00	6,662.35	98.90	66.69	-43.49	-1,294.83	4,231.94	6,916.41	6,839.61	76.81	90.048		
10,500.00	7,148.54	6,900.00	6,662.35	101.59	66.69	-43.49	-1,294.83	4,231.94	7,015.79	6,938.95	76.84	91.299		
10,600.00	7,146.72	6,900.00	6,662.35	104.28	66.69	-43.49	-1,294.83	4,231.94	7,115.19	7,038.30	76.88	92.548		
10,700.00	7,144.90	6,900.00	6,662.35	106.98	66.69	-43.49	-1,294.83	4,231.94	7,214.60	7,137.68	76.92	93.795		
10,800.00	7,143.08	6,900.00	6,662.35	109.69	66.69	-43.49	-1,294.83	4,231.94	7,314.02	7,237.07	76.96	95.039		
10,900.00	7,141.27	6,900.00	6,662.35	112.41	66.69	-43.49	-1,294.83	4,231.94	7,413.47	7,336.47	77.00	96.281		
11,000.00	7,139.45	6,900.00	6,662.35	115.13	66.69	-43.49	-1,294.83	4,231.94	7,512.93	7,435.89	77.04	97.520		
11,100.00	7,137.63	6,900.00	6,662.35	117.86	66.69	-43.49	-1,294.83	4,231.94	7,612.40	7,535.32	77.08	98.757		
11,200.00	7,135.82	6,900.00	6,662.35	120.59	66.69	-43.49	-1,294.83	4,231.94	7,711.88	7,634.76	77.13	99.991		
11,300.00	7,134.00	6,900.00	6,662.35	123.33	66.69	-43.49	-1,294.83	4,231.94	7,811.38	7,734.21	77.17	101.224		
11,400.00	7,132.18	6,900.00	6,662.35	126.07	66.69	-43.49	-1,294.83	4,231.94	7,910.89	7,833.68	77.21	102.453		
11,500.00	7,130.36	6,900.00	6,662.35	128.82	66.69	-43.49	-1,294.83	4,231.94	8,010.42	7,933.16	77.26	103.680		
11,600.00	7,128.55	6,900.00	6,662.35	131.57	66.69	-43.49	-1,294.83	4,231.94	8,109.95	8,032.65	77.31	104.905		
11,700.00	7,126.73	6,900.00	6,662.35	134.33	66.69	-43.49	-1,294.83	4,231.94	8,209.50	8,132.14	77.36	106.127		
11,800.00	7,124.91	6,900.00	6,662.35	137.09	66.69	-43.49	-1,294.83	4,231.94	8,309.06	8,231.65	77.40	107.346		
11,900.00	7,123.10	6,900.00	6,662.35	139.85	66.69	-43.49	-1,294.83	4,231.94	8,408.63	8,331.17	77.45	108.563		
12,000.00	7,121.28	6,900.00	6,662.35	142.62	66.69	-43.49	-1,294.83	4,231.94	8,508.20	8,430.70	77.50	109.777		
12,100.00	7,119.46	6,900.00	6,662.35	145.39	66.69	-43.49	-1,294.83	4,231.94	8,607.79	8,530.24	77.56	110.988		
12,200.00	7,117.64	6,900.00	6,662.35	148.16	66.69	-43.49	-1,294.83	4,231.94	8,707.39	8,629.78	77.61	112.196		
12,300.00	7,115.83	6,900.00	6,662.35	150.94	66.69	-43.49	-1,294.83	4,231.94	8,807.00	8,729.33	77.66	113.402		
12,400.00	7,114.01	6,900.00	6,662.35	153.72	66.69	-43.49	-1,294.83	4,231.94	8,906.61	8,828.90	77.72	114.605		
12,500.00	7,112.19	6,900.00	6,662.35	156.50	66.69	-43.49	-1,294.83	4,231.94	9,006.24	8,928.46	77.77	115.806		
12,600.00	7,110.37	6,900.00	6,662.35	159.28	66.69	-43.49	-1,294.83	4,231.94	9,105.87	9,028.04	77.83	117.003		
12,700.00	7,108.56	6,900.00	6,662.35	162.07	66.69	-43.49	-1,294.83	4,231.94	9,205.51	9,127.63	77.88	118.198		
12,800.00	7,106.74	6,900.00	6,662.35	164.86	66.69	-43.49	-1,294.83	4,231.94	9,305.16	9,227.22	77.94	119.389		
12,900.00	7,104.92	6,900.00	6,662.35	167.65	66.69	-43.49	-1,294.83	4,231.94	9,404.81	9,326.81	78.00	120.578		
13,000.00	7,103.11	6,900.00	6,662.35	170.44	66.69	-43.49	-1,294.83	4,231.94	9,504.47	9,426.42	78.06	121.764		
13,100.00	7,101.29	6,900.00	6,662.35	173.23	66.69	-43.49	-1,294.83	4,231.94	9,604.14	9,526.03	78.12	122.947		
13,200.00	7,099.47	6,900.00	6,662.35	176.03	66.69	-43.49	-1,294.83	4,231.94	9,703.82	9,625.64	78.18	124.127		
13,300.00	7,097.65	6,900.00	6,662.35	178.82	66.69	-43.49	-1,294.83	4,231.94	9,803.50	9,725.26	78.24	125.304		
13,400.00	7,095.84	6,900.00	6,662.35	181.62	66.69	-43.49	-1,294.83	4,231.94	9,903.19	9,824.89	78.30	126.478		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	79.30	98.73	522.51	531.80				
100.00	100.00	100.62	100.62	3.28	3.29	79.31	98.49	521.82	531.09	524.51	6.57	80.797	
200.00	200.00	203.61	203.59	3.34	3.34	79.33	97.99	520.04	529.29	522.62	6.67	79.304	
300.00	300.00	302.65	302.60	3.44	3.44	79.38	97.15	518.03	527.15	520.26	6.89	76.547	
400.00	399.98	400.69	400.63	3.60	3.60	-56.79	96.59	516.73	524.77	517.58	7.19	72.977	
500.00	499.84	504.10	504.03	3.79	3.81	-57.37	96.31	514.90	520.14	512.55	7.59	68.510	
600.00	599.45	607.52	607.42	4.03	4.06	-58.39	96.16	512.25	512.95	504.88	8.08	63.517	
700.00	698.70	705.61	705.46	4.30	4.32	-59.78	96.16	509.28	503.70	495.08	8.61	58.484	
790.00	787.61	797.00	796.81	4.57	4.60	-61.31	95.03	506.88	494.21	485.05	9.16	53.965	
800.00	797.47	807.38	807.18	4.60	4.63	-61.48	94.83	506.57	493.05	483.83	9.22	53.457	
900.00	896.01	901.71	901.46	4.94	4.93	-63.04	93.00	503.97	481.84	471.99	9.85	48.896	
1,000.00	994.55	996.93	996.65	5.30	5.26	-64.71	91.72	502.18	472.05	461.52	10.53	44.828	
1,100.00	1,093.09	1,098.05	1,097.75	5.68	5.61	-66.59	90.63	500.29	462.80	451.54	11.26	41.098	
1,200.00	1,191.63	1,204.20	1,203.84	6.08	6.00	-68.74	89.70	496.79	452.82	440.78	12.04	37.618	
1,300.00	1,290.17	1,289.28	1,288.85	6.49	6.32	-70.61	89.36	493.62	443.35	430.58	12.76	34.739	
1,400.00	1,388.71	1,379.25	1,378.80	6.91	6.64	-72.75	91.07	492.77	437.85	424.34	13.51	32.407	
1,500.00	1,487.25	1,469.24	1,468.72	7.34	6.97	-75.07	94.38	492.63	434.68	420.41	14.27	30.464	
1,600.00	1,585.79	1,568.13	1,567.43	7.77	7.33	-77.90	100.32	492.44	433.57	418.49	15.08	28.760	
1,647.56	1,632.66	1,612.63	1,611.85	7.98	7.50	-79.20	103.05	492.14	433.27	417.82	15.45	28.037 CC, ES	
1,700.00	1,684.34	1,659.48	1,658.56	8.22	7.68	-80.66	106.73	491.76	433.68	417.82	15.86	27.339	
1,800.00	1,782.88	1,744.29	1,742.91	8.66	8.00	-83.47	115.40	491.46	437.23	420.61	16.62	26.305	
1,900.00	1,881.42	1,838.52	1,836.44	9.12	8.36	-86.62	126.85	492.26	444.30	426.87	17.43	25.490	
2,000.00	1,979.96	1,931.77	1,928.90	9.57	8.74	-89.77	138.96	492.28	452.83	434.59	18.24	24.826	
2,100.00	2,078.50	2,027.18	2,023.19	10.03	9.15	-93.15	153.48	491.12	463.68	444.61	19.07	24.317	
2,200.00	2,177.04	2,124.17	2,119.04	10.49	9.57	-96.47	168.18	489.42	475.82	455.91	19.91	23.897	
2,300.00	2,275.58	2,223.56	2,217.31	10.95	10.01	-99.72	182.92	487.32	489.07	468.29	20.78	23.540	
2,400.00	2,374.12	2,322.73	2,315.43	11.42	10.46	-102.82	197.07	484.46	502.92	481.28	21.64	23.240	
2,500.00	2,472.66	2,421.38	2,413.05	11.89	10.91	-105.80	210.84	480.84	517.52	495.02	22.50	22.999	
2,600.00	2,571.20	2,517.45	2,508.10	12.36	11.36	-108.60	224.14	476.68	533.04	509.70	23.34	22.836	
2,700.00	2,669.74	2,616.77	2,606.36	12.83	11.82	-111.38	237.72	471.82	549.45	525.24	24.21	22.695	
2,800.00	2,768.28	2,713.53	2,702.10	13.30	12.28	-113.98	250.66	466.38	566.51	541.45	25.06	22.610	
2,900.00	2,866.83	2,810.88	2,798.41	13.78	12.74	-116.49	263.55	460.37	584.39	558.48	25.91	22.558	
3,000.00	2,965.37	2,908.06	2,894.54	14.25	13.21	-118.89	276.19	453.92	602.98	576.23	26.76	22.537	
3,100.00	3,063.91	3,004.18	2,989.63	14.73	13.68	-121.15	288.55	447.26	622.36	594.76	27.59	22.554	
3,200.00	3,162.45	3,102.23	3,086.68	15.20	14.15	-123.31	300.66	440.39	642.14	613.69	28.45	22.571	
3,300.00	3,260.99	3,183.86	3,167.49	15.68	14.55	-124.91	311.34	435.88	663.67	634.52	29.15	22.770	
3,400.00	3,359.53	3,281.27	3,263.85	16.16	15.03	-126.66	324.83	431.35	686.69	656.69	30.00	22.892	
3,500.00	3,458.07	3,381.49	3,363.05	16.64	15.52	-128.36	338.20	426.37	709.77	678.90	30.88	22.988	
3,600.00	3,556.61	3,477.36	3,457.97	17.12	15.99	-129.89	350.69	421.41	733.05	701.34	31.71	23.115	
3,700.00	3,655.15	3,579.08	3,558.74	17.60	16.50	-131.44	363.45	415.88	756.34	723.73	32.61	23.195	
3,800.00	3,753.69	3,675.09	3,653.91	18.08	16.97	-132.80	375.05	410.79	779.64	746.19	33.45	23.309	
3,900.00	3,852.23	3,768.31	3,746.27	18.56	17.43	-134.07	386.57	405.54	803.59	769.33	34.26	23.455	
4,000.00	3,950.77	3,889.36	3,866.37	19.04	18.01	-135.64	399.86	398.43	826.65	791.31	35.34	23.391	
4,100.00	4,049.31	4,024.31	4,000.72	19.52	18.63	-137.30	409.28	390.16	846.19	809.70	36.49	23.189	
4,200.00	4,147.86	4,170.47	4,146.72	20.00	19.24	-138.82	411.09	384.30	860.03	822.41	37.62	22.863	
4,300.00	4,246.40	4,267.99	4,244.17	20.49	19.63	-139.79	410.56	380.65	872.71	834.25	38.46	22.693	
4,400.00	4,344.94	4,375.24	4,351.37	20.97	20.05	-140.74	409.00	377.93	884.61	845.27	39.34	22.486	
4,500.00	4,443.48	4,471.52	4,447.61	21.45	20.42	-141.57	407.36	375.49	896.50	856.33	40.17	22.316	
4,600.00	4,542.02	4,563.48	4,539.54	21.94	20.78	-142.31	406.31	373.71	909.06	868.08	40.98	22.180	
4,700.00	4,640.56	4,655.74	4,631.79	22.42	21.14	-142.83	406.39	375.00	922.56	880.77	41.79	22.074	
4,800.00	4,739.10	4,749.40	4,725.44	22.91	21.51	-143.33	406.98	376.44	936.67	894.06	42.61	21.984	
4,900.00	4,837.64	4,843.23	4,819.26	23.39	21.88	-143.82	408.11	377.76	951.42	907.99	43.43	21.909	

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,000.00	4,936.18	4,940.10	4,916.11	23.87	22.27	-144.33	409.57	378.87	966.59	922.32	44.27	21.836		
5,100.00	5,034.72	5,036.54	5,012.53	24.36	22.66	-144.83	411.06	379.72	981.90	936.79	45.11	21.767		
5,200.00	5,133.26	5,132.12	5,108.10	24.84	23.06	-145.34	412.81	380.11	997.65	951.70	45.95	21.712		
5,300.00	5,231.80	5,229.84	5,205.80	25.33	23.47	-145.85	414.67	380.29	1,013.59	966.79	46.81	21.655		
5,400.00	5,330.34	5,326.75	5,302.69	25.82	23.87	-146.36	416.54	380.13	1,029.70	982.04	47.66	21.605		
5,500.00	5,428.89	5,419.21	5,395.13	26.30	24.27	-146.86	418.50	379.64	1,046.15	997.67	48.48	21.577		
5,600.00	5,527.43	5,510.34	5,486.22	26.79	24.66	-147.36	421.01	378.47	1,063.43	1,014.13	49.30	21.571		
5,700.00	5,625.97	5,625.62	5,628.45	27.27	25.25	-148.07	423.77	377.62	1,080.26	1,029.82	50.44	21.418		
5,800.00	5,724.51	5,741.65	5,717.47	27.76	25.60	-148.46	423.44	378.42	1,094.25	1,043.02	51.23	21.359		
5,900.00	5,823.05	5,832.08	5,807.91	28.24	25.97	-148.85	423.89	378.79	1,109.23	1,057.19	52.04	21.315		
6,000.00	5,921.59	5,924.38	5,900.20	28.73	26.36	-149.27	424.82	378.63	1,124.89	1,072.03	52.87	21.278		
6,100.00	6,020.13	6,017.97	5,993.77	29.22	26.75	-149.70	426.09	377.95	1,141.10	1,087.39	53.70	21.248		
6,200.00	6,118.67	6,109.40	6,085.18	29.70	27.14	-150.13	427.66	376.82	1,157.83	1,103.31	54.53	21.235		
6,300.00	6,217.21	6,202.34	6,178.08	30.19	27.54	-150.57	429.67	375.19	1,175.19	1,119.83	55.36	21.229		
6,400.00	6,315.75	6,306.70	6,342.39	30.68	28.21	-151.25	430.65	374.72	1,191.22	1,134.61	56.61	21.043		
6,500.00	6,414.29	6,617.53	6,582.19	31.16	29.04	-149.27	420.19	441.05	1,192.02	1,134.24	57.78	20.631		
6,582.51	6,495.60	6,725.07	6,676.16	31.57	29.33	-147.29	415.84	492.93	1,190.95	1,132.38	58.58	20.331		
6,600.00	6,512.86	6,739.59	6,688.34	31.65	29.37	-154.47	415.38	500.81	1,190.69	1,131.93	58.76	20.264		
6,650.00	6,562.39	6,779.16	6,721.24	31.88	29.47	176.18	414.32	522.78	1,189.95	1,130.69	59.26	20.079		
6,700.00	6,611.96	6,827.93	6,761.01	32.08	29.59	144.82	413.30	550.98	1,189.33	1,129.54	59.79	19.891		
6,750.00	6,661.26	6,881.86	6,803.58	32.27	29.72	125.98	411.88	584.05	1,188.60	1,128.26	60.34	19.699		
6,783.00	6,693.51	6,912.62	6,827.14	32.38	29.81	118.97	410.90	603.80	1,188.28	1,127.60	60.69	19.580		
6,800.00	6,709.99	6,914.31	6,828.39	32.44	29.84	115.90	410.93	604.95	1,188.36	1,127.51	60.85	19.529		
6,850.00	6,757.84	6,937.69	6,845.79	32.61	29.98	110.17	410.40	620.55	1,189.33	1,128.02	61.31	19.400		
6,900.00	6,804.53	6,956.46	6,859.47	32.77	30.10	106.57	410.08	633.40	1,191.76	1,130.06	61.70	19.315		
6,950.00	6,849.77	6,970.95	6,869.85	32.92	30.19	104.00	409.90	643.51	1,195.84	1,133.81	62.03	19.278 SF		
7,000.00	6,893.27	6,981.52	6,877.32	33.07	30.25	101.91	409.80	650.99	1,201.68	1,139.39	62.29	19.292		
7,050.00	6,934.77	6,988.00	6,881.85	33.23	30.30	100.00	409.76	655.62	1,209.35	1,146.88	62.48	19.357		
7,100.00	6,974.01	6,992.84	6,885.22	33.39	30.33	98.20	409.73	659.10	1,218.83	1,156.20	62.63	19.462		
7,150.00	7,010.75	6,988.00	6,881.85	33.55	30.30	96.03	409.76	655.62	1,230.08	1,167.44	62.64	19.639		
7,200.00	7,044.77	6,988.00	6,881.85	33.72	30.30	94.11	409.76	655.62	1,242.95	1,180.25	62.70	19.824		
7,250.00	7,075.85	6,988.00	6,881.85	33.92	30.30	92.19	409.76	655.62	1,257.32	1,194.54	62.78	20.028		
7,300.00	7,103.80	6,988.00	6,881.85	34.13	30.30	90.25	409.76	655.62	1,273.05	1,210.17	62.88	20.245		
7,350.00	7,128.45	6,988.00	6,881.85	34.38	30.30	88.28	409.76	655.62	1,290.01	1,226.98	63.03	20.467		
7,400.00	7,149.65	6,964.56	6,865.29	34.67	30.15	85.27	409.98	639.03	1,307.66	1,244.77	62.88	20.795		
7,450.00	7,167.26	6,953.70	6,857.48	35.00	30.08	82.84	410.13	631.49	1,326.16	1,263.19	62.97	21.061		
7,500.00	7,181.19	6,941.54	6,848.62	35.38	30.00	80.40	410.33	623.16	1,345.17	1,282.09	63.08	21.323		
7,550.00	7,191.34	6,928.23	6,838.80	35.81	29.92	77.98	410.60	614.18	1,364.47	1,301.23	63.24	21.576		
7,600.00	7,197.65	6,913.88	6,828.06	36.28	29.83	75.62	410.94	604.67	1,383.86	1,320.42	63.44	21.814		
7,650.00	7,200.08	6,893.00	6,812.17	36.80	29.75	73.17	411.54	591.13	1,403.16	1,339.56	63.60	22.064		
7,667.87	7,200.00	6,893.00	6,812.17	36.99	29.75	72.57	411.54	591.13	1,409.96	1,346.18	63.78	22.107		
7,700.00	7,199.42	6,878.23	6,800.76	37.35	29.72	72.10	411.99	581.76	1,422.40	1,358.49	63.90	22.258		
7,800.00	7,197.60	6,835.17	6,766.82	38.62	29.61	70.74	413.13	555.30	1,463.66	1,399.28	64.38	22.735		
7,900.00	7,195.78	6,798.00	6,736.73	40.06	29.52	69.55	413.93	533.50	1,508.76	1,443.79	64.97	23.221		
8,000.00	7,193.97	6,762.77	6,707.67	41.66	29.43	68.43	414.72	513.59	1,557.62	1,491.99	65.63	23.733		
8,100.00	7,192.15	6,731.17	6,681.28	43.40	29.35	67.42	415.64	496.23	1,610.05	1,543.72	66.33	24.272		
8,200.00	7,190.33	6,703.00	6,657.51	45.25	29.27	66.53	416.63	481.15	1,665.82	1,598.76	67.06	24.839		
8,300.00	7,188.51	6,703.00	6,657.51	47.20	29.27	66.53	416.63	481.15	1,725.17	1,657.08	68.09	25.336		
8,400.00	7,186.70	6,666.92	6,626.38	49.25	29.17	65.38	418.06	462.97	1,787.01	1,718.36	68.65	26.030		
8,500.00	7,184.88	6,651.70	6,612.95	51.37	29.13	64.90	418.69	455.85	1,852.07	1,782.68	69.39	26.689		
8,600.00	7,183.06	6,607.00	6,572.56	53.56	29.01	63.46	420.67	436.84	1,920.61	1,850.84	69.77	27.527		
8,700.00	7,181.24	6,607.00	6,572.56	55.81	29.01	63.46	420.67	436.84	1,990.19	1,919.62	70.57	28.203		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	7,179.43	6,607.00	6,572.56	58.11	29.01	63.46	420.67	436.84	2,062.27	1,990.98	71.28	28.930		
8,900.00	7,177.61	6,607.00	6,572.56	60.46	29.01	63.46	420.67	436.84	2,136.60	2,064.67	71.93	29.703		
9,000.00	7,175.79	6,578.78	6,546.56	62.85	28.92	62.55	422.03	425.94	2,212.57	2,140.27	72.30	30.601		
9,100.00	7,173.98	6,560.39	6,529.54	65.28	28.87	61.97	422.99	419.03	2,290.10	2,217.38	72.72	31.492		
9,200.00	7,172.16	6,542.78	6,513.19	67.74	28.81	61.42	423.95	412.57	2,369.03	2,295.92	73.11	32.404		
9,300.00	7,170.34	6,512.00	6,484.48	70.23	28.72	60.47	425.75	401.63	2,449.31	2,375.93	73.38	33.378		
9,400.00	7,168.52	6,512.00	6,484.48	72.74	28.72	60.47	425.75	401.63	2,530.59	2,456.77	73.82	34.280		
9,500.00	7,166.71	6,512.00	6,484.48	75.28	28.72	60.47	425.75	401.63	2,613.17	2,538.95	74.22	35.209		
9,600.00	7,164.89	6,512.00	6,484.48	77.84	28.72	60.47	425.75	401.63	2,696.92	2,622.34	74.58	36.161		
9,700.00	7,163.07	6,512.00	6,484.48	80.43	28.72	60.47	425.75	401.63	2,781.75	2,706.84	74.91	37.134		
9,800.00	7,161.26	6,512.00	6,484.48	83.02	28.72	60.47	425.75	401.63	2,867.56	2,792.35	75.21	38.127		
9,900.00	7,159.44	6,512.00	6,484.48	85.64	28.72	60.47	425.75	401.63	2,954.26	2,878.78	75.49	39.137		
10,000.00	7,157.62	6,512.00	6,484.48	88.27	28.72	60.47	425.75	401.63	3,041.78	2,966.05	75.74	40.163		
10,100.00	7,155.80	6,512.00	6,484.48	90.91	28.72	60.47	425.75	401.63	3,130.05	3,054.08	75.97	41.203		
10,200.00	7,153.99	6,512.00	6,484.48	93.56	28.72	60.47	425.75	401.63	3,219.00	3,142.82	76.18	42.257		
10,300.00	7,152.17	6,470.04	6,444.52	96.23	28.58	59.17	427.96	389.07	3,306.47	3,230.24	76.23	43.374		
10,400.00	7,150.35	6,466.78	6,441.37	98.90	28.57	59.07	428.10	388.27	3,396.29	3,319.88	76.41	44.448		
10,500.00	7,148.54	6,463.71	6,438.38	101.59	28.56	58.97	428.23	387.54	3,486.64	3,410.06	76.58	45.531		
10,600.00	7,146.72	6,460.80	6,435.56	104.28	28.55	58.88	428.35	386.87	3,577.48	3,500.74	76.73	46.623		
10,700.00	7,144.90	6,417.00	6,392.48	106.98	28.40	57.51	429.74	379.21	3,670.82	3,594.10	76.72	47.849		
10,800.00	7,143.08	6,417.00	6,392.48	109.69	28.40	57.51	429.74	379.21	3,762.29	3,685.42	76.87	48.944		
10,900.00	7,141.27	6,417.00	6,392.48	112.41	28.40	57.51	429.74	379.21	3,854.19	3,777.18	77.01	50.046		
11,000.00	7,139.45	6,417.00	6,392.48	115.13	28.40	57.51	429.74	379.21	3,946.49	3,869.34	77.15	51.155		
11,100.00	7,137.63	6,417.00	6,392.48	117.86	28.40	57.51	429.74	379.21	4,039.15	3,961.87	77.27	52.271		
11,200.00	7,135.82	6,417.00	6,392.48	120.59	28.40	57.51	429.74	379.21	4,132.15	4,054.76	77.39	53.392		
11,300.00	7,134.00	6,417.00	6,392.48	123.33	28.40	57.51	429.74	379.21	4,225.47	4,147.97	77.50	54.519		
11,400.00	7,132.18	6,417.00	6,392.48	126.07	28.40	57.51	429.74	379.21	4,319.10	4,241.48	77.61	55.650		
11,500.00	7,130.36	6,417.00	6,392.48	128.82	28.40	57.51	429.74	379.21	4,413.00	4,335.29	77.71	56.786		
11,600.00	7,128.55	6,417.00	6,392.48	131.57	28.40	57.51	429.74	379.21	4,507.16	4,429.35	77.81	57.926		
11,700.00	7,126.73	6,417.00	6,392.48	134.33	28.40	57.51	429.74	379.21	4,601.57	4,523.67	77.90	59.069		
11,800.00	7,124.91	6,417.00	6,392.48	137.09	28.40	57.51	429.74	379.21	4,696.21	4,618.22	77.99	60.216		
11,900.00	7,123.10	6,417.00	6,392.48	139.85	28.40	57.51	429.74	379.21	4,791.07	4,713.00	78.07	61.365		
12,000.00	7,121.28	6,417.00	6,392.48	142.62	28.40	57.51	429.74	379.21	4,886.14	4,807.98	78.16	62.517		
12,100.00	7,119.46	6,417.00	6,392.48	145.39	28.40	57.51	429.74	379.21	4,981.40	4,903.16	78.24	63.672		
12,200.00	7,117.64	6,417.00	6,392.48	148.16	28.40	57.51	429.74	379.21	5,076.84	4,998.52	78.31	64.829		
12,300.00	7,115.83	6,417.00	6,392.48	150.94	28.40	57.51	429.74	379.21	5,172.45	5,094.06	78.39	65.987		
12,400.00	7,114.01	6,417.00	6,392.48	153.72	28.40	57.51	429.74	379.21	5,268.22	5,189.77	78.46	67.148		
12,500.00	7,112.19	6,417.00	6,392.48	156.50	28.40	57.51	429.74	379.21	5,364.15	5,285.63	78.53	68.310		
12,600.00	7,110.37	6,417.00	6,392.48	159.28	28.40	57.51	429.74	379.21	5,460.23	5,381.63	78.60	69.473		
12,700.00	7,108.56	6,417.00	6,392.48	162.07	28.40	57.51	429.74	379.21	5,556.44	5,477.78	78.66	70.637		
12,800.00	7,106.74	6,417.00	6,392.48	164.86	28.40	57.51	429.74	379.21	5,652.79	5,574.06	78.73	71.802		
12,900.00	7,104.92	6,417.00	6,392.48	167.65	28.40	57.51	429.74	379.21	5,749.26	5,670.47	78.79	72.968		
13,000.00	7,103.11	6,417.00	6,392.48	170.44	28.40	57.51	429.74	379.21	5,845.85	5,766.99	78.85	74.135		
13,100.00	7,101.29	6,417.00	6,392.48	173.23	28.40	57.51	429.74	379.21	5,942.55	5,863.63	78.92	75.302		
13,200.00	7,099.47	6,417.00	6,392.48	176.03	28.40	57.51	429.74	379.21	6,039.36	5,960.38	78.98	76.469		
13,300.00	7,097.65	6,417.00	6,392.48	178.82	28.40	57.51	429.74	379.21	6,136.27	6,057.23	79.04	77.637		
13,400.00	7,095.84	6,417.00	6,392.48	181.62	28.40	57.51	429.74	379.21	6,233.28	6,154.18	79.10	78.805		
13,500.00	7,094.02	6,417.00	6,392.48	184.42	28.40	57.51	429.74	379.21	6,330.38	6,251.22	79.16	79.973		
13,600.00	7,092.20	6,417.00	6,392.48	187.22	28.40	57.51	429.74	379.21	6,427.57	6,348.36	79.22	81.140		
13,700.00	7,090.39	6,417.00	6,392.48	190.03	28.40	57.51	429.74	379.21	6,524.85	6,445.57	79.27	82.308		
13,800.00	7,088.57	6,417.00	6,392.48	192.83	28.40	57.51	429.74	379.21	6,622.20	6,542.87	79.33	83.475		
13,900.00	7,086.75	6,417.00	6,392.48	195.64	28.40	57.51	429.74	379.21	6,719.64	6,640.25	79.39	84.641		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SRC Wiedeman #11-5-3NCHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 133-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,000.00	7,084.93	6,417.00	6,392.48	198.44	28.40	57.51	429.74	379.21	6,817.15	6,737.70	79.45	85.807	
14,100.00	7,083.12	6,417.00	6,392.48	201.25	28.40	57.51	429.74	379.21	6,914.73	6,835.22	79.50	86.973	
14,200.00	7,081.30	6,417.00	6,392.48	204.06	28.40	57.51	429.74	379.21	7,012.38	6,932.82	79.56	88.138	
14,300.00	7,079.48	6,417.00	6,392.48	206.87	28.40	57.51	429.74	379.21	7,110.09	7,030.47	79.62	89.302	
14,400.00	7,077.67	6,417.00	6,392.48	209.68	28.40	57.51	429.74	379.21	7,207.87	7,128.19	79.68	90.465	
14,500.00	7,075.85	6,417.00	6,392.48	212.49	28.40	57.51	429.74	379.21	7,305.70	7,225.97	79.73	91.627	
14,600.00	7,074.03	6,417.00	6,392.48	215.31	28.40	57.51	429.74	379.21	7,403.60	7,323.81	79.79	92.788	
14,700.00	7,072.21	6,417.00	6,392.48	218.12	28.40	57.51	429.74	379.21	7,501.55	7,421.70	79.85	93.948	
14,800.00	7,070.40	6,417.00	6,392.48	220.93	28.40	57.51	429.74	379.21	7,599.55	7,519.65	79.91	95.107	
14,900.00	7,068.58	6,417.00	6,392.48	223.75	28.40	57.51	429.74	379.21	7,697.61	7,617.64	79.96	96.265	
15,000.00	7,066.76	6,417.00	6,392.48	226.57	28.40	57.51	429.74	379.21	7,795.71	7,715.69	80.02	97.422	
15,100.00	7,064.95	6,417.00	6,392.48	229.38	28.40	57.51	429.74	379.21	7,893.86	7,813.78	80.08	98.577	
15,200.00	7,063.13	6,417.00	6,392.48	232.20	28.40	57.51	429.74	379.21	7,992.06	7,911.92	80.14	99.731	
15,300.00	7,061.31	6,417.00	6,392.48	235.02	28.40	57.51	429.74	379.21	8,090.30	8,010.11	80.19	100.883	
15,400.00	7,059.49	6,417.00	6,392.48	237.84	28.40	57.51	429.74	379.21	8,188.59	8,108.33	80.25	102.034	
15,500.00	7,057.68	6,417.00	6,392.48	240.66	28.40	57.51	429.74	379.21	8,286.91	8,206.60	80.31	103.184	
15,600.00	7,055.86	6,417.00	6,392.48	243.48	28.40	57.51	429.74	379.21	8,385.28	8,304.90	80.37	104.332	
15,647.29	7,055.00	6,417.00	6,392.48	244.81	28.40	57.51	429.74	379.21	8,431.81	8,351.41	80.40	104.874	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	82.45	68.86	519.45	524.04					
100.00	100.00	100.00	99.99	3.28	3.30	82.49	68.33	518.34	522.87	516.29	6.58	79.404		
200.00	200.00	201.11	201.09	3.34	3.38	82.56	67.56	517.06	521.51	514.80	6.71	77.675		
300.00	300.00	303.45	303.42	3.44	3.51	82.60	66.90	515.31	519.73	512.78	6.96	74.714		
400.00	399.98	403.76	403.70	3.60	3.69	-53.58	66.40	513.27	516.62	509.34	7.29	70.890		
500.00	499.84	510.65	510.55	3.79	3.93	-54.15	65.78	510.46	510.85	503.13	7.72	66.158		
600.00	599.45	614.92	614.74	4.03	4.20	-55.14	65.21	506.37	501.84	493.61	8.23	60.988		
700.00	698.70	708.36	708.12	4.30	4.48	-56.40	64.53	502.95	491.20	482.44	8.76	56.061		
790.00	787.61	799.38	799.08	4.57	4.76	-58.00	63.99	499.72	480.34	471.03	9.32	51.559		
800.00	797.47	808.10	807.79	4.60	4.79	-58.16	63.95	499.40	479.06	469.69	9.38	51.090		
900.00	896.01	900.22	899.87	4.94	5.09	-59.77	63.17	496.83	467.26	457.25	10.01	46.694		
1,000.00	994.55	998.02	997.65	5.30	5.43	-61.51	62.11	494.91	456.64	445.94	10.70	42.686		
1,100.00	1,093.09	1,102.42	1,101.99	5.68	5.81	-63.40	60.33	492.26	445.75	434.30	11.45	38.947		
1,200.00	1,191.63	1,204.30	1,203.78	6.08	6.19	-65.29	57.90	488.65	434.16	421.95	12.21	35.556		
1,300.00	1,290.17	1,302.96	1,302.33	6.49	6.57	-67.20	55.25	484.91	422.71	409.72	12.99	32.547		
1,400.00	1,388.71	1,400.32	1,399.59	6.91	6.95	-69.15	52.50	481.36	411.82	398.04	13.78	29.886		
1,500.00	1,487.25	1,494.98	1,494.17	7.34	7.32	-71.15	50.05	478.42	402.04	387.46	14.58	27.577		
1,600.00	1,585.79	1,589.90	1,589.05	7.77	7.70	-73.30	48.39	476.14	393.82	378.42	15.39	25.585		
1,700.00	1,684.34	1,698.05	1,697.11	8.22	8.14	-75.92	46.36	472.44	385.28	369.02	16.26	23.697		
1,800.00	1,782.88	1,805.67	1,804.51	8.66	8.59	-78.36	41.42	467.49	375.08	357.96	17.12	21.903		
1,900.00	1,881.42	1,907.75	1,906.11	9.12	9.03	-80.43	33.32	462.11	363.07	345.09	17.98	20.192		
2,000.00	1,979.96	2,001.07	1,999.04	9.57	9.43	-82.32	25.71	458.24	352.33	333.50	18.83	18.710		
2,100.00	2,078.50	2,104.40	2,101.97	10.03	9.87	-84.45	17.36	454.90	342.85	323.15	19.70	17.405		
2,200.00	2,177.04	2,206.25	2,203.22	10.49	10.33	-86.76	7.83	449.23	331.18	310.61	20.57	16.101		
2,300.00	2,275.58	2,299.86	2,296.36	10.95	10.74	-88.98	-0.49	444.90	321.07	299.63	21.44	14.975		
2,400.00	2,374.12	2,394.10	2,390.21	11.42	11.16	-91.15	-8.67	442.25	312.97	290.66	22.31	14.028		
2,500.00	2,472.66	2,497.23	2,492.95	11.89	11.61	-93.65	-17.24	439.77	305.95	282.76	23.19	13.194		
2,600.00	2,571.20	2,597.69	2,592.92	12.36	12.07	-96.55	-25.68	434.73	297.73	273.66	24.07	12.370		
2,700.00	2,669.74	2,696.01	2,690.77	12.83	12.52	-99.50	-34.05	430.03	290.36	265.41	24.95	11.638		
2,800.00	2,768.28	2,792.78	2,787.10	13.30	12.96	-102.49	-42.23	425.78	284.08	258.25	25.83	10.998		
2,900.00	2,866.83	2,888.12	2,882.08	13.78	13.39	-105.40	-49.93	422.66	279.55	252.85	26.70	10.468		
3,000.00	2,965.37	2,993.03	2,986.57	14.25	13.87	-108.68	-58.60	419.21	275.67	248.09	27.58	9.994		
3,100.00	3,063.91	3,088.32	3,081.40	14.73	14.31	-111.92	-66.85	414.89	271.75	243.29	28.46	9.548		
3,200.00	3,162.45	3,182.88	3,175.61	15.20	14.75	-115.43	-73.38	410.19	270.27	240.94	29.33	9.214		
3,205.34	3,167.71	3,187.89	3,180.61	15.23	14.77	-115.63	-73.66	409.86	270.27	240.89	29.38	9.199 CC, ES		
3,300.00	3,260.99	3,278.02	3,270.44	15.68	15.18	-119.35	-78.10	404.18	271.38	241.18	30.20	8.987		
3,400.00	3,359.53	3,373.71	3,365.90	16.16	15.61	-123.11	-82.10	398.95	274.79	243.74	31.06	8.848		
3,500.00	3,458.07	3,476.52	3,468.48	16.64	16.08	-126.91	-86.83	393.89	279.16	247.21	31.95	8.737		
3,600.00	3,556.61	3,568.94	3,560.70	17.12	16.49	-130.18	-90.97	389.52	284.78	251.99	32.79	8.685		
3,700.00	3,655.15	3,676.37	3,667.79	17.60	16.98	-134.14	-96.24	382.82	290.96	257.23	33.73	8.627		
3,800.00	3,753.69	3,774.82	3,765.75	18.08	17.45	-137.84	-102.55	375.47	296.82	262.21	34.62	8.574		
3,900.00	3,852.23	3,873.82	3,864.23	18.56	17.92	-141.44	-109.35	367.91	303.48	267.96	35.52	8.545 SF		
4,000.00	3,950.77	3,971.32	3,961.22	19.04	18.38	-144.80	-116.11	360.61	311.21	274.80	36.41	8.547		
4,100.00	4,049.31	4,069.96	4,059.39	19.52	18.85	-147.97	-122.62	353.51	320.25	282.93	37.31	8.583		
4,200.00	4,147.86	4,173.22	4,162.11	20.00	19.34	-151.04	-130.84	346.83	328.74	290.49	38.25	8.594		
4,300.00	4,246.40	4,268.12	4,256.56	20.49	19.79	-153.59	-138.27	341.38	337.99	298.85	39.13	8.637		
4,400.00	4,344.94	4,363.91	4,352.04	20.97	20.24	-155.85	-144.15	336.50	349.26	309.25	40.01	8.729		
4,500.00	4,443.48	4,464.64	4,452.46	21.45	20.70	-157.99	-150.72	332.14	360.44	319.51	40.93	8.805		
4,600.00	4,542.02	4,563.48	4,551.06	21.94	21.15	-159.83	-156.62	328.48	372.33	330.50	41.83	8.901		
4,700.00	4,640.56	4,657.73	4,645.18	22.42	21.55	-160.97	-161.28	328.33	384.04	341.38	42.66	9.003		
4,800.00	4,739.10	4,744.74	4,732.18	22.91	21.89	-161.60	-161.92	329.15	399.07	355.71	43.36	9.203		
4,900.00	4,837.64	4,840.32	4,827.75	23.39	22.24	-162.16	-161.12	330.06	415.60	371.45	44.15	9.414		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,936.18	4,935.80	4,923.23	23.87	22.60	-162.72	-159.87	330.31	432.89	387.95	44.93	9.634		
5,100.00	5,034.72	5,032.01	5,019.42	24.36	22.97	-163.33	-158.40	329.71	450.81	405.06	45.74	9.855		
5,200.00	5,133.26	5,129.02	5,116.41	24.84	23.35	-163.98	-156.91	328.41	469.11	422.54	46.57	10.073		
5,300.00	5,231.80	5,235.28	5,222.65	25.33	23.78	-164.67	-155.63	326.78	487.33	439.80	47.53	10.253		
5,400.00	5,330.34	5,339.29	5,326.66	25.82	24.20	-165.21	-156.29	327.23	503.00	454.55	48.45	10.382		
5,500.00	5,428.89	5,431.82	5,419.18	26.30	24.58	-165.66	-156.35	327.24	519.42	470.19	49.23	10.551		
5,600.00	5,527.43	5,531.02	5,518.38	26.79	24.98	-166.16	-155.92	326.51	536.67	486.58	50.10	10.712		
5,700.00	5,625.97	5,627.69	5,615.03	27.27	25.39	-166.76	-156.60	324.85	553.51	502.57	50.95	10.864		
5,800.00	5,724.51	5,719.23	5,706.55	27.76	25.78	-167.27	-156.32	323.02	571.39	519.66	51.73	11.046		
5,900.00	5,823.05	5,822.15	5,809.44	28.24	26.21	-167.80	-155.44	320.66	589.95	537.29	52.66	11.203		
6,000.00	5,921.59	5,921.04	5,908.32	28.73	26.61	-168.26	-155.42	319.25	607.37	553.85	53.53	11.347		
6,100.00	6,020.13	6,011.71	5,998.97	29.22	26.97	-168.47	-153.79	319.16	625.61	571.33	54.27	11.527		
6,200.00	6,118.67	6,118.63	6,105.87	29.70	27.40	-168.78	-151.82	318.20	644.34	589.11	55.23	11.666		
6,300.00	6,217.21	6,207.17	6,194.40	30.19	27.77	-169.06	-151.05	317.37	662.32	606.35	55.97	11.833		
6,400.00	6,315.75	6,314.75	6,301.95	30.68	28.20	-169.37	-149.15	315.90	681.29	624.35	56.94	11.965		
6,500.00	6,414.29	6,402.00	6,389.18	31.16	28.55	-169.59	-147.96	315.32	699.55	641.89	57.66	12.133		
6,582.51	6,495.60	6,714.84	6,695.06	31.57	29.69	-167.43	-154.52	363.04	712.54	654.35	58.19	12.244		
6,600.00	6,512.86	6,729.75	6,708.65	31.65	29.74	-174.42	-155.67	369.07	710.24	651.87	58.37	12.167		
6,650.00	6,562.39	6,771.36	6,746.49	31.88	29.86	156.92	-158.50	386.15	702.86	643.97	58.89	11.935		
6,700.00	6,611.96	6,812.18	6,783.48	32.08	29.98	126.19	-160.69	403.26	694.50	635.10	59.39	11.693		
6,750.00	6,661.26	6,854.60	6,821.55	32.27	30.11	108.07	-162.31	421.89	685.33	625.47	59.87	11.448		
6,800.00	6,709.99	6,893.07	6,855.63	32.44	30.22	99.57	-163.19	439.73	675.79	615.43	60.36	11.196		
6,850.00	6,757.84	6,959.55	6,911.50	32.61	30.39	98.11	-163.51	475.60	665.77	605.11	60.66	10.975		
6,900.00	6,804.53	7,003.51	6,944.69	32.77	30.52	98.18	-162.95	504.38	655.81	594.61	61.20	10.715		
6,950.00	6,849.77	7,017.49	6,954.98	32.92	30.56	97.18	-162.68	513.84	647.97	586.10	61.87	10.474		
7,000.00	6,893.27	7,031.63	6,965.27	33.07	30.60	96.80	-162.37	523.53	642.88	580.50	62.38	10.305		
7,050.00	6,934.77	7,041.96	6,972.77	33.23	30.64	96.35	-162.12	530.63	640.91	578.16	62.75	10.213		
7,054.64	6,938.51	7,042.73	6,973.33	33.24	30.64	96.30	-162.10	531.16	640.90	578.12	62.78	10.209		
7,100.00	6,974.01	7,048.57	6,977.56	33.39	30.66	95.65	-161.94	535.19	642.31	579.34	62.96	10.202		
7,150.00	7,010.75	7,051.55	6,979.71	33.55	30.67	94.57	-161.86	537.25	647.15	584.14	63.01	10.271		
7,200.00	7,044.77	7,051.03	6,979.34	33.72	30.67	93.06	-161.88	536.89	655.38	592.48	62.90	10.419		
7,250.00	7,075.85	7,047.14	6,976.52	33.92	30.65	91.09	-161.98	534.20	666.83	604.15	62.68	10.639		
7,300.00	7,103.80	7,040.03	6,971.37	34.13	30.63	88.67	-162.16	529.30	681.20	618.83	62.36	10.923		
7,350.00	7,128.45	7,029.84	6,963.97	34.38	30.60	85.84	-162.41	522.30	698.10	636.11	61.99	11.262		
7,400.00	7,149.65	7,016.74	6,954.43	34.67	30.56	82.67	-162.70	513.33	717.10	655.51	61.60	11.642		
7,450.00	7,167.26	7,000.90	6,942.85	35.00	30.51	79.25	-163.01	502.52	737.75	676.54	61.21	12.053		
7,500.00	7,181.19	6,994.00	6,937.80	35.38	30.49	76.49	-163.12	497.83	759.67	698.47	61.20	12.413		
7,550.00	7,191.34	6,994.00	6,937.80	35.81	30.49	74.18	-163.12	497.83	782.92	721.41	61.51	12.728		
7,600.00	7,197.65	6,964.68	6,915.54	36.28	30.41	70.00	-163.48	478.76	806.03	744.93	61.10	13.193		
7,650.00	7,200.08	6,952.84	6,906.15	36.80	30.38	67.09	-163.54	471.55	830.01	768.72	61.29	13.541		
7,667.87	7,200.00	6,948.55	6,902.70	36.99	30.37	66.08	-163.56	469.01	838.63	777.25	61.39	13.662		
7,700.00	7,199.42	6,941.01	6,896.55	37.35	30.35	65.66	-163.56	464.63	854.53	792.96	61.57	13.879		
7,800.00	7,197.60	6,899.00	6,860.84	38.62	30.23	63.23	-163.28	442.55	909.24	847.63	61.61	14.758		
7,900.00	7,195.78	6,899.00	6,860.84	40.06	30.23	63.23	-163.28	442.55	968.87	906.09	62.78	15.433		
8,000.00	7,193.97	6,876.13	6,840.68	41.66	30.17	61.91	-162.88	431.76	1,034.29	971.04	63.25	16.352		
8,100.00	7,192.15	6,850.00	6,817.45	43.40	30.09	60.44	-162.17	419.82	1,103.74	1,040.14	63.60	17.353		
8,200.00	7,190.33	6,825.53	6,795.52	45.25	30.02	59.10	-161.27	409.01	1,176.60	1,112.65	63.95	18.399		
8,300.00	7,188.51	6,804.00	6,776.08	47.20	29.96	57.96	-160.29	399.79	1,252.36	1,188.06	64.30	19.476		
8,400.00	7,186.70	6,772.72	6,747.73	49.25	29.87	56.36	-158.58	386.71	1,330.45	1,265.99	64.46	20.640		
8,500.00	7,184.88	6,744.16	6,721.76	51.37	29.78	54.96	-156.72	374.95	1,410.42	1,345.78	64.64	21.819		
8,600.00	7,183.06	6,708.00	6,688.82	53.56	29.67	53.28	-153.96	360.29	1,492.05	1,427.34	64.70	23.060		
8,700.00	7,181.24	6,708.00	6,688.82	55.81	29.67	53.28	-153.96	360.29	1,575.17	1,509.94	65.23	24.149		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	7,179.43	6,708.00	6,688.82	58.11	29.67	53.28	-153.96	360.29	1,660.15	1,594.47	65.67	25.279		
8,900.00	7,177.61	6,708.00	6,688.82	60.46	29.67	53.28	-153.96	360.29	1,746.72	1,680.67	66.05	26.444		
9,000.00	7,175.79	6,668.78	6,652.46	62.85	29.54	51.51	-151.08	345.91	1,833.02	1,767.01	66.01	27.769		
9,100.00	7,173.98	6,660.32	6,644.47	65.28	29.51	51.13	-150.55	343.17	1,921.36	1,855.11	66.25	29.003		
9,200.00	7,172.16	6,652.57	6,637.12	67.74	29.49	50.78	-150.10	340.77	2,010.65	1,944.19	66.46	30.252		
9,300.00	7,170.34	6,613.00	6,599.02	70.23	29.36	49.02	-148.21	330.27	2,101.92	2,035.54	66.38	31.664		
9,400.00	7,168.52	6,613.00	6,599.02	72.74	29.36	49.02	-148.21	330.27	2,192.42	2,125.79	66.63	32.905		
9,500.00	7,166.71	6,613.00	6,599.02	75.28	29.36	49.02	-148.21	330.27	2,283.71	2,216.87	66.85	34.163		
9,600.00	7,164.89	6,613.00	6,599.02	77.84	29.36	49.02	-148.21	330.27	2,375.71	2,308.67	67.04	35.436		
9,700.00	7,163.07	6,613.00	6,599.02	80.43	29.36	49.02	-148.21	330.27	2,468.32	2,401.11	67.22	36.723		
9,800.00	7,161.26	6,613.00	6,599.02	83.02	29.36	49.02	-148.21	330.27	2,561.50	2,494.13	67.37	38.021		
9,900.00	7,159.44	6,613.00	6,599.02	85.64	29.36	49.02	-148.21	330.27	2,655.17	2,587.66	67.51	39.330		
10,000.00	7,157.62	6,613.00	6,599.02	88.27	29.36	49.02	-148.21	330.27	2,749.28	2,681.64	67.64	40.648		
10,100.00	7,155.80	6,613.00	6,599.02	90.91	29.36	49.02	-148.21	330.27	2,843.80	2,776.05	67.75	41.973		
10,200.00	7,153.99	6,613.00	6,599.02	93.56	29.36	49.02	-148.21	330.27	2,938.68	2,870.82	67.86	43.306		
10,300.00	7,152.17	6,613.00	6,599.02	96.23	29.36	49.02	-148.21	330.27	3,033.89	2,965.93	67.96	44.645		
10,400.00	7,150.35	6,613.00	6,599.02	98.90	29.36	49.02	-148.21	330.27	3,129.39	3,061.35	68.05	45.989		
10,500.00	7,148.54	6,613.00	6,599.02	101.59	29.36	49.02	-148.21	330.27	3,225.17	3,157.04	68.13	47.338		
10,600.00	7,146.72	6,613.00	6,599.02	104.28	29.36	49.02	-148.21	330.27	3,321.20	3,252.99	68.21	48.690		
10,700.00	7,144.90	6,613.00	6,599.02	106.98	29.36	49.02	-148.21	330.27	3,417.46	3,349.17	68.29	50.047		
10,800.00	7,143.08	6,613.00	6,599.02	109.69	29.36	49.02	-148.21	330.27	3,513.92	3,445.57	68.36	51.406		
10,900.00	7,141.27	6,613.00	6,599.02	112.41	29.36	49.02	-148.21	330.27	3,610.58	3,542.16	68.42	52.768		
11,000.00	7,139.45	6,613.00	6,599.02	115.13	29.36	49.02	-148.21	330.27	3,707.42	3,638.93	68.49	54.132		
11,100.00	7,137.63	6,613.00	6,599.02	117.86	29.36	49.02	-148.21	330.27	3,804.42	3,735.87	68.55	55.498		
11,200.00	7,135.82	6,571.86	6,558.68	120.59	29.21	47.23	-146.96	322.41	3,899.87	3,831.39	68.49	56.944		
11,300.00	7,134.00	6,569.73	6,556.56	123.33	29.20	47.14	-146.91	322.08	3,996.98	3,928.44	68.54	58.314		
11,400.00	7,132.18	6,567.68	6,554.55	126.07	29.19	47.05	-146.87	321.78	4,094.23	4,025.63	68.60	59.685		
11,500.00	7,130.36	6,565.73	6,552.61	128.82	29.19	46.97	-146.83	321.50	4,191.59	4,122.94	68.65	61.056		
11,600.00	7,128.55	6,563.86	6,550.76	131.57	29.18	46.89	-146.79	321.24	4,289.07	4,220.37	68.71	62.427		
11,700.00	7,126.73	6,562.07	6,548.99	134.33	29.17	46.81	-146.75	320.99	4,386.66	4,317.90	68.76	63.799		
11,800.00	7,124.91	6,560.36	6,547.29	137.09	29.17	46.74	-146.72	320.76	4,484.35	4,415.54	68.81	65.170		
11,900.00	7,123.10	6,518.00	6,505.13	139.85	29.01	44.96	-146.28	316.81	4,583.77	4,515.03	68.74	66.680		
12,000.00	7,121.28	6,518.00	6,505.13	142.62	29.01	44.96	-146.28	316.81	4,681.52	4,612.71	68.80	68.044		
12,100.00	7,119.46	6,518.00	6,505.13	145.39	29.01	44.96	-146.28	316.81	4,779.35	4,710.49	68.86	69.407		
12,200.00	7,117.64	6,518.00	6,505.13	148.16	29.01	44.96	-146.28	316.81	4,877.28	4,808.36	68.92	70.770		
12,300.00	7,115.83	6,518.00	6,505.13	150.94	29.01	44.96	-146.28	316.81	4,975.28	4,906.31	68.97	72.132		
12,400.00	7,114.01	6,518.00	6,505.13	153.72	29.01	44.96	-146.28	316.81	5,073.37	5,004.34	69.03	73.494		
12,500.00	7,112.19	6,518.00	6,505.13	156.50	29.01	44.96	-146.28	316.81	5,171.53	5,102.44	69.09	74.855		
12,600.00	7,110.37	6,518.00	6,505.13	159.28	29.01	44.96	-146.28	316.81	5,269.75	5,200.61	69.14	76.215		
12,700.00	7,108.56	6,518.00	6,505.13	162.07	29.01	44.96	-146.28	316.81	5,368.04	5,298.85	69.20	77.573		
12,800.00	7,106.74	6,518.00	6,505.13	164.86	29.01	44.96	-146.28	316.81	5,466.40	5,397.14	69.26	78.931		
12,900.00	7,104.92	6,518.00	6,505.13	167.65	29.01	44.96	-146.28	316.81	5,564.81	5,495.50	69.31	80.287		
13,000.00	7,103.11	6,518.00	6,505.13	170.44	29.01	44.96	-146.28	316.81	5,663.28	5,593.91	69.37	81.642		
13,100.00	7,101.29	6,518.00	6,505.13	173.23	29.01	44.96	-146.28	316.81	5,761.80	5,692.38	69.42	82.995		
13,200.00	7,099.47	6,518.00	6,505.13	176.03	29.01	44.96	-146.28	316.81	5,860.37	5,790.89	69.48	84.346		
13,300.00	7,097.65	6,518.00	6,505.13	178.82	29.01	44.96	-146.28	316.81	5,958.99	5,889.46	69.54	85.696		
13,400.00	7,095.84	6,518.00	6,505.13	181.62	29.01	44.96	-146.28	316.81	6,057.66	5,988.06	69.59	87.044		
13,500.00	7,094.02	6,518.00	6,505.13	184.42	29.01	44.96	-146.28	316.81	6,156.36	6,086.71	69.65	88.389		
13,600.00	7,092.20	6,518.00	6,505.13	187.22	29.01	44.96	-146.28	316.81	6,255.11	6,185.41	69.71	89.733		
13,700.00	7,090.39	6,518.00	6,505.13	190.03	29.01	44.96	-146.28	316.81	6,353.90	6,284.14	69.77	91.075		
13,800.00	7,088.57	6,518.00	6,505.13	192.83	29.01	44.96	-146.28	316.81	6,452.73	6,382.90	69.82	92.414		
13,900.00	7,086.75	6,518.00	6,505.13	195.64	29.01	44.96	-146.28	316.81	6,551.59	6,481.70	69.88	93.751		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SRC Wiedeman #12-5-4CHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 39-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,000.00	7,084.93	6,518.00	6,505.13	198.44	29.01	44.96	-146.28	316.81	6,650.48	6,580.54	69.94	95.086	
14,100.00	7,083.12	6,518.00	6,505.13	201.25	29.01	44.96	-146.28	316.81	6,749.41	6,679.41	70.00	96.418	
14,200.00	7,081.30	6,518.00	6,505.13	204.06	29.01	44.96	-146.28	316.81	6,848.37	6,778.31	70.06	97.748	
14,300.00	7,079.48	6,518.00	6,505.13	206.87	29.01	44.96	-146.28	316.81	6,947.36	6,877.23	70.12	99.075	
14,400.00	7,077.67	6,518.00	6,505.13	209.68	29.01	44.96	-146.28	316.81	7,046.37	6,976.19	70.18	100.400	
14,500.00	7,075.85	6,518.00	6,505.13	212.49	29.01	44.96	-146.28	316.81	7,145.42	7,075.17	70.24	101.722	
14,600.00	7,074.03	6,518.00	6,505.13	215.31	29.01	44.96	-146.28	316.81	7,244.49	7,174.18	70.31	103.041	
14,700.00	7,072.21	6,518.00	6,505.13	218.12	29.01	44.96	-146.28	316.81	7,343.58	7,273.21	70.37	104.358	
14,800.00	7,070.40	6,518.00	6,505.13	220.93	29.01	44.96	-146.28	316.81	7,442.70	7,372.27	70.43	105.671	
14,900.00	7,068.58	6,518.00	6,505.13	223.75	29.01	44.96	-146.28	316.81	7,541.85	7,471.35	70.50	106.982	
15,000.00	7,066.76	6,518.00	6,505.13	226.57	29.01	44.96	-146.28	316.81	7,641.01	7,570.45	70.56	108.290	
15,100.00	7,064.95	6,518.00	6,505.13	229.38	29.01	44.96	-146.28	316.81	7,740.20	7,669.57	70.63	109.594	
15,200.00	7,063.13	6,518.00	6,505.13	232.20	29.01	44.96	-146.28	316.81	7,839.41	7,768.71	70.69	110.896	
15,300.00	7,061.31	6,518.00	6,505.13	235.02	29.01	44.96	-146.28	316.81	7,938.63	7,867.88	70.76	112.195	
15,400.00	7,059.49	6,518.00	6,505.13	237.84	29.01	44.96	-146.28	316.81	8,037.88	7,967.06	70.82	113.490	
15,500.00	7,057.68	6,518.00	6,505.13	240.66	29.01	44.96	-146.28	316.81	8,137.15	8,066.25	70.89	114.783	
15,600.00	7,055.86	6,518.00	6,505.13	243.48	29.01	44.96	-146.28	316.81	8,236.43	8,165.47	70.96	116.072	
15,647.29	7,055.00	6,518.00	6,505.13	244.81	29.01	44.96	-146.28	316.81	8,283.39	8,212.40	70.99	116.681	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	84.06	53.93	518.06	520.90					
100.00	100.00	97.26	97.25	3.28	3.30	84.10	53.53	517.54	520.32	513.74	6.58	79.041		
200.00	200.00	199.96	199.95	3.34	3.37	84.20	52.43	516.59	519.29	512.58	6.71	77.358		
300.00	300.00	304.07	304.03	3.44	3.51	84.33	51.10	514.93	517.58	510.62	6.96	74.379		
400.00	399.98	406.78	406.71	3.60	3.70	-51.77	49.87	512.53	514.05	506.76	7.30	70.445		
500.00	499.84	511.14	511.02	3.79	3.93	-52.30	49.11	509.38	507.75	500.02	7.72	65.728		
600.00	599.45	605.64	605.47	4.03	4.18	-53.14	48.34	506.45	499.29	491.09	8.20	60.913		
700.00	698.70	701.52	701.32	4.30	4.45	-54.27	47.05	504.43	489.78	481.04	8.74	56.049		
790.00	787.61	787.15	786.93	4.57	4.71	-55.55	45.43	503.25	480.22	470.95	9.27	51.794		
800.00	797.47	796.65	796.42	4.60	4.74	-55.69	45.24	503.16	479.12	469.79	9.33	51.326		
900.00	896.01	889.53	889.27	4.94	5.04	-57.00	42.77	502.97	468.93	458.97	9.96	47.065		
1,000.00	994.55	987.65	987.33	5.30	5.37	-58.33	39.43	503.68	459.78	449.13	10.65	43.180		
1,100.00	1,093.09	1,090.66	1,090.26	5.68	5.73	-59.73	35.52	504.15	450.54	439.15	11.39	39.573		
1,200.00	1,191.63	1,195.88	1,195.38	6.08	6.12	-61.26	31.24	502.75	439.74	427.58	12.16	36.162		
1,300.00	1,290.17	1,275.47	1,274.92	6.49	6.41	-62.49	28.60	503.26	431.36	418.49	12.86	33.533		
1,400.00	1,388.71	1,395.18	1,394.54	6.91	6.86	-64.40	25.01	505.20	424.56	410.84	13.72	30.942		
1,500.00	1,487.25	1,509.79	1,508.95	7.34	7.32	-66.41	20.07	500.75	412.28	397.70	14.58	28.282		
1,600.00	1,585.79	1,619.94	1,618.68	7.77	7.77	-68.61	14.88	492.72	397.14	381.72	15.42	25.756		
1,700.00	1,684.34	1,723.78	1,721.82	8.22	8.21	-70.71	7.96	482.93	379.78	363.52	16.26	23.363		
1,800.00	1,782.88	1,822.30	1,819.54	8.66	8.64	-72.52	-0.91	474.20	362.45	345.35	17.10	21.198		
1,900.00	1,881.42	1,918.91	1,915.19	9.12	9.08	-73.99	-12.28	466.73	345.24	327.29	17.95	19.228		
2,000.00	1,979.96	2,011.83	2,007.01	9.57	9.51	-74.95	-25.74	462.02	329.33	310.50	18.83	17.493		
2,100.00	2,078.50	2,103.85	2,098.10	10.03	9.94	-75.92	-38.48	459.12	315.49	295.79	19.71	16.010		
2,200.00	2,177.04	2,199.98	2,193.45	10.49	10.38	-77.12	-50.47	457.38	303.60	283.01	20.59	14.744		
2,300.00	2,275.58	2,299.66	2,292.50	10.95	10.84	-78.83	-61.30	454.67	291.96	270.48	21.48	13.593		
2,400.00	2,374.12	2,404.96	2,397.09	11.42	11.33	-80.90	-72.83	450.72	279.71	257.35	22.36	12.508		
2,500.00	2,472.66	2,506.74	2,498.03	11.89	11.82	-83.44	-84.07	444.03	265.47	242.23	23.24	11.425		
2,600.00	2,571.20	2,610.84	2,601.12	12.36	12.32	-86.47	-95.96	435.71	250.47	226.38	24.09	10.398		
2,700.00	2,669.74	2,709.87	2,698.93	12.83	12.82	-89.70	-108.47	426.65	234.48	209.52	24.96	9.395		
2,800.00	2,768.28	2,804.13	2,792.11	13.30	13.29	-93.15	-120.10	418.50	219.90	194.04	25.86	8.503		
2,900.00	2,866.83	2,898.29	2,885.43	13.78	13.76	-96.94	-130.68	411.72	208.04	181.28	26.76	7.774		
3,000.00	2,965.37	2,993.98	2,980.45	14.25	14.22	-101.00	-140.63	406.29	198.85	171.20	27.65	7.193		
3,100.00	3,063.91	3,093.05	3,078.88	14.73	14.70	-105.57	-150.48	400.97	191.38	162.87	28.51	6.712		
3,200.00	3,162.45	3,194.87	3,179.91	15.20	15.20	-110.69	-161.44	394.78	184.18	154.81	29.37	6.271		
3,300.00	3,260.99	3,295.33	3,279.40	15.68	15.71	-116.20	-173.59	387.87	176.99	146.75	30.24	5.853		
3,400.00	3,359.53	3,390.32	3,373.51	16.16	16.19	-121.86	-184.65	381.21	171.93	140.78	31.15	5.520		
3,469.61	3,428.12	3,455.34	3,438.09	16.49	16.50	-125.71	-191.15	377.39	170.80	139.02	31.77	5.375 CC		
3,500.00	3,458.07	3,484.29	3,466.89	16.64	16.65	-127.35	-193.70	376.00	170.99	138.95	32.05	5.336		
3,600.00	3,556.61	3,584.20	3,566.30	17.12	17.12	-132.89	-202.58	371.46	172.65	139.70	32.95	5.239		
3,700.00	3,655.15	3,688.35	3,669.72	17.60	17.64	-138.55	-213.89	366.60	173.94	140.07	33.88	5.135		
3,800.00	3,753.69	3,792.89	3,772.95	18.08	18.18	-144.63	-229.23	360.67	173.11	138.30	34.81	4.973		
3,900.00	3,852.23	3,892.78	3,871.27	18.56	18.72	-150.61	-245.90	354.92	172.16	136.36	35.80	4.809		
3,916.14	3,868.14	3,908.67	3,886.90	18.64	18.81	-151.56	-248.60	354.03	172.13	136.17	35.96	4.787		
4,000.00	3,950.77	3,990.16	3,967.11	19.04	19.24	-156.39	-262.28	349.54	172.90	136.07	36.82	4.695 ES		
4,100.00	4,049.31	4,085.73	4,061.47	19.52	19.75	-161.46	-276.73	345.18	176.58	138.74	37.85	4.666 SF		
4,200.00	4,147.86	4,182.00	4,156.91	20.00	20.23	-165.71	-288.89	341.73	183.40	144.56	38.84	4.722		
4,300.00	4,246.40	4,280.32	4,254.54	20.49	20.72	-169.37	-300.18	338.87	191.78	151.95	39.82	4.816		
4,400.00	4,344.94	4,378.14	4,351.65	20.97	21.21	-172.82	-311.42	335.50	201.21	160.41	40.81	4.931		
4,500.00	4,443.48	4,474.61	4,447.28	21.45	21.70	-176.40	-322.96	330.26	212.23	170.44	41.79	5.078		
4,600.00	4,542.02	4,571.72	4,543.65	21.94	22.19	-179.53	-333.60	324.72	224.93	182.15	42.78	5.258		
4,700.00	4,640.56	4,670.52	4,641.61	22.42	22.69	-177.47	-344.76	318.43	238.49	194.70	43.79	5.446		
4,800.00	4,739.10	4,773.91	4,744.21	22.91	23.21	-174.86	-356.44	313.12	251.71	206.86	44.85	5.612		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,837.64	4,874.08	4,843.64	23.39	23.71	172.84	-368.13	310.18	263.44	217.59	45.85	5.746		
5,000.00	4,936.18	4,969.91	4,938.99	23.87	24.17	171.46	-377.50	308.04	276.03	229.27	46.77	5.903		
5,100.00	5,034.72	5,064.57	5,033.36	24.36	24.61	170.56	-384.56	305.98	290.12	242.49	47.64	6.090		
5,200.00	5,133.26	5,162.56	5,131.24	24.84	25.04	170.26	-388.96	304.66	305.34	256.82	48.51	6.294		
5,300.00	5,231.80	5,257.10	5,225.76	25.33	25.42	170.55	-390.55	304.86	320.97	271.67	49.30	6.511		
5,400.00	5,330.34	5,349.35	5,318.01	25.82	25.78	170.94	-390.45	304.20	338.41	288.39	50.02	6.766		
5,500.00	5,428.89	5,443.28	5,411.91	26.30	26.12	171.47	-388.58	302.92	357.49	306.75	50.74	7.046		
5,600.00	5,527.43	5,536.79	5,505.36	26.79	26.45	172.00	-385.82	301.11	377.63	326.18	51.44	7.340		
5,700.00	5,625.97	5,639.39	5,607.88	27.27	26.82	172.51	-382.62	298.68	398.24	345.91	52.33	7.610		
5,800.00	5,724.51	5,755.50	5,723.97	27.76	27.24	173.07	-380.88	298.92	415.94	362.54	53.39	7.790		
5,900.00	5,823.05	5,845.19	5,813.64	28.24	27.56	173.54	-379.97	300.34	432.28	378.22	54.07	7.995		
6,000.00	5,921.59	5,946.57	5,915.01	28.73	27.95	173.83	-379.48	300.27	449.56	394.63	54.94	8.183		
6,100.00	6,020.13	6,037.08	6,005.52	29.22	28.31	174.00	-379.31	299.53	467.23	411.57	55.66	8.395		
6,200.00	6,118.67	6,143.76	6,112.19	29.70	28.71	174.27	-378.39	299.09	485.03	428.43	56.60	8.569		
6,300.00	6,217.21	6,229.15	6,197.57	30.19	29.04	174.49	-377.32	298.50	503.27	446.04	57.23	8.793		
6,400.00	6,315.75	6,334.34	6,302.73	30.68	29.43	174.83	-375.04	297.82	522.11	463.96	58.15	8.979		
6,500.00	6,414.29	6,443.67	6,412.02	31.16	29.82	175.33	-372.46	299.40	539.56	480.47	59.09	9.132		
6,582.51	6,495.60	6,633.55	6,599.37	31.57	30.45	177.86	-367.51	326.41	548.34	488.53	59.80	9.169		
6,600.00	6,512.86	6,745.86	6,703.53	31.65	30.78	173.55	-370.11	367.77	545.95	487.75	58.20	9.380		
6,650.00	6,562.39	6,829.34	6,776.01	31.88	31.00	147.50	-375.56	408.77	531.96	474.38	57.58	9.239		
6,700.00	6,611.96	6,877.25	6,815.93	32.08	31.11	118.73	-377.77	435.16	515.26	457.27	57.99	8.885		
6,750.00	6,661.26	6,930.30	6,858.49	32.27	31.22	103.53	-378.89	466.78	497.24	438.98	58.26	8.535		
6,800.00	6,709.99	6,981.56	6,897.23	32.44	31.32	98.75	-379.55	500.32	478.10	419.45	58.65	8.152		
6,850.00	6,757.84	7,016.07	6,921.88	32.61	31.37	97.67	-379.80	524.47	459.60	400.02	59.58	7.714		
6,900.00	6,804.53	7,040.35	6,938.57	32.77	31.41	97.92	-379.81	542.09	443.50	382.77	60.73	7.303		
6,950.00	6,849.77	7,057.45	6,950.01	32.92	31.44	98.41	-379.74	554.81	431.03	369.19	61.83	6.971		
7,000.00	6,893.27	7,068.52	6,957.27	33.07	31.45	98.55	-379.66	563.16	423.17	360.48	62.69	6.750		
7,048.18	6,933.30	7,074.39	6,961.07	33.22	31.46	98.10	-379.60	567.64	420.59	357.44	63.15	6.660		
7,050.00	6,934.77	7,074.53	6,961.16	33.23	31.46	98.07	-379.60	567.75	420.60	357.44	63.16	6.659		
7,100.00	6,974.01	7,076.32	6,962.31	33.39	31.47	96.88	-379.58	569.11	423.61	360.45	63.17	6.706		
7,150.00	7,010.75	7,074.55	6,961.17	33.55	31.46	94.96	-379.60	567.76	432.13	369.39	62.73	6.888		
7,200.00	7,044.77	7,069.78	6,958.09	33.72	31.46	92.33	-379.65	564.12	445.73	383.76	61.97	7.192		
7,250.00	7,075.85	7,062.47	6,953.32	33.92	31.45	89.06	-379.71	558.59	463.80	402.77	61.03	7.600		
7,300.00	7,103.80	7,053.00	6,947.07	34.13	31.43	85.24	-379.77	551.48	485.57	425.54	60.03	8.088		
7,350.00	7,128.45	7,041.69	6,939.48	34.38	31.41	81.01	-379.81	543.08	510.27	451.16	59.11	8.633		
7,400.00	7,149.65	7,028.78	6,930.69	34.67	31.39	76.50	-379.82	533.63	537.16	478.84	58.32	9.211		
7,450.00	7,167.26	7,014.51	6,920.78	35.00	31.37	71.89	-379.79	523.35	565.58	507.87	57.71	9.800		
7,500.00	7,181.19	6,994.00	6,906.24	35.38	31.34	66.84	-379.67	508.90	594.99	537.95	57.04	10.431		
7,550.00	7,191.34	6,994.00	6,906.24	35.81	31.34	63.87	-379.67	508.90	624.96	567.34	57.62	10.846		
7,600.00	7,197.65	6,965.97	6,885.72	36.28	31.29	58.85	-379.39	489.81	654.69	597.62	57.08	11.471		
7,650.00	7,200.08	6,948.48	6,872.52	36.80	31.25	55.11	-379.16	478.34	684.32	627.11	57.21	11.961		
7,667.87	7,200.00	6,942.09	6,867.63	36.99	31.24	53.86	-379.07	474.24	694.79	637.49	57.29	12.127		
7,700.00	7,199.42	6,930.77	6,858.86	37.35	31.22	53.18	-378.90	467.07	713.84	656.38	57.46	12.423		
7,800.00	7,197.60	6,899.00	6,833.63	38.62	31.16	51.29	-378.34	447.77	776.86	718.74	58.12	13.366		
7,900.00	7,195.78	6,867.75	6,808.11	40.06	31.09	49.49	-377.44	429.77	844.78	786.03	58.75	14.379		
8,000.00	7,193.97	6,839.77	6,784.80	41.66	31.02	47.97	-376.15	414.35	916.75	857.34	59.41	15.431		
8,100.00	7,192.15	6,804.00	6,754.42	43.40	30.94	46.13	-373.84	395.62	992.19	932.44	59.75	16.605		
8,200.00	7,190.33	6,804.00	6,754.42	45.25	30.94	46.13	-373.84	395.62	1,070.43	1,009.45	60.98	17.555		
8,300.00	7,188.51	6,763.18	6,718.89	47.20	30.83	44.15	-371.09	375.71	1,150.57	1,089.52	61.05	18.845		
8,400.00	7,186.70	6,740.56	6,698.80	49.25	30.77	43.08	-369.83	365.40	1,232.88	1,171.38	61.51	20.045		
8,500.00	7,184.88	6,709.00	6,670.31	51.37	30.68	41.61	-368.39	351.90	1,317.00	1,255.28	61.71	21.341		
8,600.00	7,183.06	6,709.00	6,670.31	53.56	30.68	41.61	-368.39	351.90	1,402.44	1,339.99	62.45	22.457		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,181.24	6,692.42	6,655.08	55.81	30.63	40.85	-367.86	345.36	1,489.36	1,426.55	62.81	23.714		
8,800.00	7,179.43	6,682.24	6,645.61	58.11	30.60	40.38	-367.65	341.62	1,577.58	1,514.38	63.20	24.961		
8,900.00	7,177.61	6,664.00	6,628.45	60.46	30.55	39.54	-367.50	335.46	1,667.03	1,603.60	63.43	26.281		
9,000.00	7,175.79	6,664.00	6,628.45	62.85	30.55	39.54	-367.50	335.46	1,757.24	1,693.39	63.85	27.520		
9,100.00	7,173.98	6,664.00	6,628.45	65.28	30.55	39.54	-367.50	335.46	1,848.46	1,784.25	64.21	28.786		
9,200.00	7,172.16	6,664.00	6,628.45	67.74	30.55	39.54	-367.50	335.46	1,940.55	1,876.02	64.53	30.074		
9,300.00	7,170.34	6,639.29	6,604.89	70.23	30.47	38.42	-367.51	328.01	2,032.79	1,968.22	64.57	31.483		
9,400.00	7,168.52	6,631.93	6,597.83	72.74	30.45	38.09	-367.51	325.97	2,125.88	2,061.12	64.76	32.828		
9,500.00	7,166.71	6,614.00	6,580.51	75.28	30.39	37.31	-367.52	321.30	2,219.59	2,154.75	64.84	34.231		
9,600.00	7,164.89	6,614.00	6,580.51	77.84	30.39	37.31	-367.52	321.30	2,313.55	2,248.49	65.06	35.563		
9,700.00	7,163.07	6,614.00	6,580.51	80.43	30.39	37.31	-367.52	321.30	2,407.99	2,342.74	65.25	36.906		
9,800.00	7,161.26	6,614.00	6,580.51	83.02	30.39	37.31	-367.52	321.30	2,502.86	2,437.45	65.42	38.260		
9,900.00	7,159.44	6,614.00	6,580.51	85.64	30.39	37.31	-367.52	321.30	2,598.12	2,532.55	65.57	39.623		
10,000.00	7,157.62	6,614.00	6,580.51	88.27	30.39	37.31	-367.52	321.30	2,693.73	2,628.01	65.71	40.993		
10,100.00	7,155.80	6,614.00	6,580.51	90.91	30.39	37.31	-367.52	321.30	2,789.64	2,723.80	65.84	42.370		
10,200.00	7,153.99	6,614.00	6,580.51	93.56	30.39	37.31	-367.52	321.30	2,885.82	2,819.87	65.96	43.753		
10,300.00	7,152.17	6,614.00	6,580.51	96.23	30.39	37.31	-367.52	321.30	2,982.26	2,916.20	66.07	45.141		
10,400.00	7,150.35	6,614.00	6,580.51	98.90	30.39	37.31	-367.52	321.30	3,078.93	3,012.76	66.17	46.533		
10,500.00	7,148.54	6,575.09	6,542.54	101.59	30.26	35.67	-367.90	312.83	3,174.47	3,108.38	66.09	48.032		
10,600.00	7,146.72	6,571.50	6,539.01	104.28	30.25	35.52	-367.97	312.17	3,271.28	3,205.11	66.17	49.436		
10,700.00	7,144.90	6,568.09	6,535.66	106.98	30.24	35.38	-368.05	311.55	3,368.25	3,302.00	66.25	50.841		
10,800.00	7,143.08	6,564.85	6,532.47	109.69	30.23	35.25	-368.12	310.99	3,465.38	3,399.05	66.33	52.248		
10,900.00	7,141.27	6,561.77	6,529.44	112.41	30.22	35.12	-368.19	310.46	3,562.65	3,496.25	66.40	53.656		
11,000.00	7,139.45	6,558.84	6,526.55	115.13	30.21	35.00	-368.27	309.97	3,660.05	3,593.58	66.47	55.065		
11,100.00	7,137.63	6,519.00	6,487.09	117.86	30.08	33.41	-369.67	304.68	3,758.76	3,692.37	66.40	56.612		
11,200.00	7,135.82	6,519.00	6,487.09	120.59	30.08	33.41	-369.67	304.68	3,856.23	3,789.76	66.48	58.009		
11,300.00	7,134.00	6,519.00	6,487.09	123.33	30.08	33.41	-369.67	304.68	3,953.83	3,887.28	66.55	59.407		
11,400.00	7,132.18	6,519.00	6,487.09	126.07	30.08	33.41	-369.67	304.68	4,051.55	3,984.91	66.63	60.806		
11,500.00	7,130.36	6,519.00	6,487.09	128.82	30.08	33.41	-369.67	304.68	4,149.37	4,082.67	66.70	62.206		
11,600.00	7,128.55	6,519.00	6,487.09	131.57	30.08	33.41	-369.67	304.68	4,247.29	4,180.52	66.77	63.606		
11,700.00	7,126.73	6,519.00	6,487.09	134.33	30.08	33.41	-369.67	304.68	4,345.31	4,278.47	66.84	65.006		
11,800.00	7,124.91	6,519.00	6,487.09	137.09	30.08	33.41	-369.67	304.68	4,443.42	4,376.51	66.91	66.406		
11,900.00	7,123.10	6,519.00	6,487.09	139.85	30.08	33.41	-369.67	304.68	4,541.61	4,474.63	66.98	67.806		
12,000.00	7,121.28	6,519.00	6,487.09	142.62	30.08	33.41	-369.67	304.68	4,639.88	4,572.83	67.05	69.205		
12,100.00	7,119.46	6,519.00	6,487.09	145.39	30.08	33.41	-369.67	304.68	4,738.22	4,671.11	67.11	70.603		
12,200.00	7,117.64	6,519.00	6,487.09	148.16	30.08	33.41	-369.67	304.68	4,836.63	4,769.45	67.17	72.001		
12,300.00	7,115.83	6,519.00	6,487.09	150.94	30.08	33.41	-369.67	304.68	4,935.10	4,867.86	67.24	73.397		
12,400.00	7,114.01	6,519.00	6,487.09	153.72	30.08	33.41	-369.67	304.68	5,033.63	4,966.33	67.30	74.792		
12,500.00	7,112.19	6,519.00	6,487.09	156.50	30.08	33.41	-369.67	304.68	5,132.22	5,064.85	67.36	76.186		
12,600.00	7,110.37	6,519.00	6,487.09	159.28	30.08	33.41	-369.67	304.68	5,230.86	5,163.43	67.43	77.578		
12,700.00	7,108.56	6,519.00	6,487.09	162.07	30.08	33.41	-369.67	304.68	5,329.56	5,262.07	67.49	78.968		
12,800.00	7,106.74	6,519.00	6,487.09	164.86	30.08	33.41	-369.67	304.68	5,428.30	5,360.74	67.55	80.357		
12,900.00	7,104.92	6,519.00	6,487.09	167.65	30.08	33.41	-369.67	304.68	5,527.08	5,459.47	67.61	81.744		
13,000.00	7,103.11	6,519.00	6,487.09	170.44	30.08	33.41	-369.67	304.68	5,625.91	5,558.24	67.68	83.129		
13,100.00	7,101.29	6,519.00	6,487.09	173.23	30.08	33.41	-369.67	304.68	5,724.78	5,657.04	67.74	84.512		
13,200.00	7,099.47	6,519.00	6,487.09	176.03	30.08	33.41	-369.67	304.68	5,823.69	5,755.89	67.80	85.893		
13,300.00	7,097.65	6,519.00	6,487.09	178.82	30.08	33.41	-369.67	304.68	5,922.64	5,854.77	67.86	87.272		
13,400.00	7,095.84	6,519.00	6,487.09	181.62	30.08	33.41	-369.67	304.68	6,021.62	5,953.69	67.93	88.648		
13,500.00	7,094.02	6,519.00	6,487.09	184.42	30.08	33.41	-369.67	304.68	6,120.63	6,052.64	67.99	90.022		
13,600.00	7,092.20	6,519.00	6,487.09	187.22	30.08	33.41	-369.67	304.68	6,219.67	6,151.62	68.05	91.393		
13,700.00	7,090.39	6,519.00	6,487.09	190.03	30.08	33.41	-369.67	304.68	6,318.75	6,250.63	68.12	92.762		
13,800.00	7,088.57	6,519.00	6,487.09	192.83	30.08	33.41	-369.67	304.68	6,417.85	6,349.67	68.18	94.128		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SRC Wiedeman #12-5-4NCHZ - OH - OH												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
13,900.00	7,086.75	6,519.00	6,487.09	195.64	30.08	33.41	-369.67	304.68	6,516.98	6,448.74	68.25	95.491	
14,000.00	7,084.93	6,519.00	6,487.09	198.44	30.08	33.41	-369.67	304.68	6,616.14	6,547.83	68.31	96.852	
14,100.00	7,083.12	6,519.00	6,487.09	201.25	30.08	33.41	-369.67	304.68	6,715.32	6,646.94	68.38	98.209	
14,200.00	7,081.30	6,519.00	6,487.09	204.06	30.08	33.41	-369.67	304.68	6,814.53	6,746.08	68.44	99.564	
14,300.00	7,079.48	6,519.00	6,487.09	206.87	30.08	33.41	-369.67	304.68	6,913.76	6,845.25	68.51	100.916	
14,400.00	7,077.67	6,519.00	6,487.09	209.68	30.08	33.41	-369.67	304.68	7,013.01	6,944.43	68.58	102.264	
14,500.00	7,075.85	6,519.00	6,487.09	212.49	30.08	33.41	-369.67	304.68	7,112.28	7,043.63	68.64	103.610	
14,600.00	7,074.03	6,519.00	6,487.09	215.31	30.08	33.41	-369.67	304.68	7,211.57	7,142.86	68.71	104.952	
14,700.00	7,072.21	6,519.00	6,487.09	218.12	30.08	33.41	-369.67	304.68	7,310.88	7,242.10	68.78	106.291	
14,800.00	7,070.40	6,519.00	6,487.09	220.93	30.08	33.41	-369.67	304.68	7,410.21	7,341.36	68.85	107.627	
14,900.00	7,068.58	6,519.00	6,487.09	223.75	30.08	33.41	-369.67	304.68	7,509.56	7,440.64	68.92	108.960	
15,000.00	7,066.76	6,519.00	6,487.09	226.57	30.08	33.41	-369.67	304.68	7,608.92	7,539.93	68.99	110.289	
15,100.00	7,064.95	6,519.00	6,487.09	229.38	30.08	33.41	-369.67	304.68	7,708.30	7,639.24	69.06	111.615	
15,200.00	7,063.13	6,519.00	6,487.09	232.20	30.08	33.41	-369.67	304.68	7,807.70	7,738.57	69.13	112.938	
15,300.00	7,061.31	6,519.00	6,487.09	235.02	30.08	33.41	-369.67	304.68	7,907.11	7,837.91	69.20	114.257	
15,400.00	7,059.49	6,519.00	6,487.09	237.84	30.08	33.41	-369.67	304.68	8,006.54	7,937.26	69.28	115.572	
15,500.00	7,057.68	6,519.00	6,487.09	240.66	30.08	33.41	-369.67	304.68	8,105.98	8,036.63	69.35	116.884	
15,600.00	7,055.86	6,519.00	6,487.09	243.48	30.08	33.41	-369.67	304.68	8,205.44	8,136.01	69.42	118.192	
15,647.29	7,055.00	6,519.00	6,487.09	244.81	30.08	33.41	-369.67	304.68	8,252.47	8,183.01	69.46	118.810	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SRC Wiedeman #21-5-3CHZ - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
0.00	0.00	0.00	0.00	3.28	3.28	76.25	128.61	525.57	541.12							
100.00	100.00	99.65	99.64	3.28	3.29	76.26	128.38	525.00	540.50	533.93	6.57	82.235				
200.00	200.00	202.81	202.79	3.34	3.32	76.28	127.75	523.29	538.75	532.09	6.66	80.894				
300.00	300.00	298.24	298.21	3.44	3.41	76.22	128.01	521.81	537.31	530.45	6.86	78.366				
400.00	399.98	392.98	392.93	3.60	3.55	-60.15	129.60	520.98	535.99	528.85	7.14	75.047				
500.00	499.84	486.38	486.26	3.79	3.72	-61.02	133.20	520.53	533.92	526.41	7.51	71.123				
600.00	599.45	578.81	578.43	4.03	3.93	-62.53	140.05	520.61	531.88	523.93	7.95	66.889				
700.00	698.70	675.43	674.68	4.30	4.18	-64.56	148.47	520.88	529.34	520.87	8.48	62.435				
790.00	787.61	761.84	760.76	4.57	4.43	-66.66	155.97	521.42	526.73	517.72	9.01	58.474				
800.00	797.47	771.47	770.35	4.60	4.46	-66.92	156.86	521.47	526.43	517.36	9.07	58.041				
900.00	896.01	865.09	863.46	4.94	4.77	-69.49	166.62	521.69	524.29	514.58	9.71	53.969				
941.55	936.96	902.28	900.34	5.09	4.90	-70.61	171.42	521.66	524.06	514.06	9.99	52.442	CC			
1,000.00	994.55	956.46	953.92	5.30	5.10	-72.35	179.43	521.43	524.47	514.06	10.41	50.399	ES			
1,100.00	1,093.09	1,049.51	1,045.60	5.68	5.48	-75.55	195.23	520.16	526.77	515.62	11.15	47.245				
1,200.00	1,191.63	1,142.21	1,136.67	6.08	5.88	-78.86	212.50	518.56	531.54	519.61	11.93	44.568				
1,300.00	1,290.17	1,236.76	1,229.58	6.49	6.31	-82.16	229.96	516.92	538.23	525.50	12.73	42.273				
1,400.00	1,388.71	1,330.68	1,321.86	6.91	6.75	-85.34	247.41	515.56	547.11	533.56	13.55	40.385				
1,500.00	1,487.25	1,433.23	1,422.72	7.34	7.24	-88.69	265.84	513.71	557.18	542.77	14.41	38.663				
1,600.00	1,585.79	1,531.87	1,519.96	7.77	7.72	-91.75	282.11	511.05	567.32	552.06	15.26	37.172				
1,700.00	1,684.34	1,629.19	1,615.86	8.22	8.20	-94.67	298.49	508.56	579.39	563.28	16.11	35.969				
1,800.00	1,782.88	1,724.73	1,710.15	8.66	8.67	-97.43	313.60	505.32	591.67	574.73	16.95	34.915				
1,900.00	1,881.42	1,810.95	1,795.12	9.12	9.11	-99.80	328.06	503.30	606.65	588.92	17.72	34.226				
2,000.00	1,979.96	1,900.86	1,883.75	9.57	9.56	-102.05	343.17	502.66	623.75	605.23	18.52	33.682				
2,100.00	2,078.50	1,988.18	1,969.73	10.03	10.02	-104.12	358.39	502.69	642.81	623.52	19.29	33.325				
2,200.00	2,177.04	2,077.03	2,056.96	10.49	10.49	-106.15	375.29	502.83	664.20	644.13	20.07	33.096				
2,300.00	2,275.58	2,189.10	2,167.05	10.95	11.09	-108.68	396.14	501.11	685.50	664.47	21.03	32.604				
2,400.00	2,374.12	2,283.95	2,260.41	11.42	11.60	-110.81	412.54	497.54	705.70	683.84	21.86	32.289				
2,500.00	2,472.66	2,366.07	2,340.91	11.89	12.05	-112.61	428.45	494.43	728.64	706.06	22.59	32.262				
2,600.00	2,571.20	2,465.51	2,438.52	12.36	12.60	-114.58	447.25	491.67	752.41	728.96	23.45	32.082				
2,700.00	2,669.74	2,553.41	2,524.88	12.83	13.08	-116.15	463.48	490.07	776.82	752.60	24.22	32.071				
2,800.00	2,768.28	2,632.07	2,601.98	13.30	13.52	-117.41	479.07	490.07	803.53	778.62	24.91	32.261				
2,900.00	2,866.83	2,726.97	2,694.86	13.78	14.06	-118.84	498.57	490.22	831.49	805.75	25.74	32.305				
3,000.00	2,965.37	2,824.19	2,790.01	14.25	14.62	-120.26	518.49	489.59	859.68	833.08	26.59	32.325				
3,100.00	3,063.91	2,921.95	2,885.71	14.73	15.18	-121.68	538.36	487.76	887.92	860.46	27.46	32.338				
3,200.00	3,162.45	3,020.19	2,981.99	15.20	15.75	-122.99	557.86	486.09	916.19	887.86	28.33	32.344				
3,300.00	3,260.99	3,120.59	3,080.45	15.68	16.32	-124.29	577.33	483.78	944.34	915.13	29.22	32.323				
3,400.00	3,359.53	3,221.05	3,179.16	16.16	16.88	-125.46	595.94	482.10	972.13	942.02	30.11	32.290				
3,500.00	3,458.07	3,318.61	3,275.08	16.64	17.42	-126.55	613.67	480.20	999.88	968.91	30.97	32.286				
3,600.00	3,556.61	3,415.70	3,370.65	17.12	17.96	-127.48	630.79	479.93	1,027.60	995.77	31.83	32.282				
3,700.00	3,655.15	3,512.65	3,466.10	17.60	18.49	-128.35	647.75	479.80	1,055.43	1,022.73	32.69	32.282				
3,800.00	3,753.69	3,615.56	3,567.49	18.08	19.05	-129.23	665.33	479.43	1,083.06	1,049.45	33.61	32.225				
3,900.00	3,852.23	3,699.64	3,650.38	18.56	19.51	-129.94	679.42	478.77	1,110.58	1,076.22	34.36	32.321				
4,000.00	3,950.77	3,775.46	3,724.87	19.04	19.93	-130.54	693.55	478.41	1,140.04	1,105.01	35.03	32.540				
4,100.00	4,049.31	3,863.79	3,811.49	19.52	20.44	-131.23	710.83	477.85	1,170.60	1,134.77	35.83	32.674				
4,200.00	4,147.86	3,959.00	3,904.80	20.00	20.99	-131.95	729.71	476.77	1,201.56	1,164.87	36.69	32.751				
4,300.00	4,246.40	4,063.14	4,006.98	20.49	21.59	-132.73	749.74	474.84	1,232.08	1,194.45	37.64	32.737				
4,400.00	4,344.94	4,163.94	4,105.97	20.97	22.16	-133.47	768.66	472.68	1,262.35	1,223.80	38.55	32.746				
4,500.00	4,443.48	4,259.97	4,200.38	21.45	22.70	-134.18	785.97	469.78	1,292.05	1,252.63	39.42	32.778				
4,600.00	4,542.02	4,344.43	4,283.32	21.94	23.18	-134.68	801.91	469.13	1,322.69	1,282.51	40.18	32.918				
4,700.00	4,640.56	4,448.52	4,385.59	22.42	23.77	-135.27	821.27	468.61	1,353.18	1,312.05	41.13	32.898				
4,800.00	4,739.10	4,548.04	4,483.45	22.91	24.33	-135.83	839.35	467.43	1,383.40	1,341.36	42.04	32.908				
4,900.00	4,837.64	4,642.24	4,576.13	23.39	24.86	-136.37	856.09	465.71	1,413.36	1,370.46	42.90	32.949				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,000.00	4,936.18	4,733.25	4,665.60	23.87	25.37	-136.82	872.76	465.30	1,443.90	1,400.17	43.73	33.022		
5,100.00	5,034.72	4,836.03	4,766.72	24.36	25.94	-137.30	891.13	464.80	1,474.08	1,429.41	44.67	33.002		
5,200.00	5,133.26	4,935.94	4,865.06	24.84	26.50	-137.77	908.71	463.73	1,504.13	1,458.55	45.58	33.000		
5,300.00	5,231.80	5,046.68	4,974.21	25.33	27.10	-138.30	927.35	462.02	1,533.56	1,486.97	46.59	32.917		
5,400.00	5,330.34	5,130.15	5,056.56	25.82	27.56	-138.66	941.01	461.35	1,562.60	1,515.25	47.35	32.999		
5,500.00	5,428.89	5,216.57	5,141.61	26.30	28.04	-139.04	956.25	460.13	1,592.91	1,544.77	48.14	33.087		
5,600.00	5,527.43	5,309.43	5,233.06	26.79	28.56	-139.45	972.23	458.24	1,622.98	1,573.99	48.99	33.126		
5,700.00	5,625.97	5,388.94	5,311.22	27.27	29.00	-139.81	986.67	456.03	1,654.06	1,604.34	49.72	33.268		
5,800.00	5,724.51	5,496.66	5,417.11	27.76	29.61	-140.21	1,006.40	454.85	1,685.27	1,634.55	50.72	33.230		
5,900.00	5,823.05	5,617.33	5,536.01	28.24	30.28	-140.65	1,026.92	453.51	1,715.24	1,663.41	51.82	33.098		
6,000.00	5,921.59	5,796.77	5,713.68	28.73	31.20	-141.32	1,051.80	450.76	1,742.34	1,688.96	53.37	32.644		
6,100.00	6,020.13	6,120.27	6,036.46	29.22	32.51	-142.52	1,068.44	446.77	1,761.39	1,705.99	55.40	31.795		
6,200.00	6,118.67	6,205.70	6,121.89	29.70	32.78	-142.81	1,067.58	447.06	1,773.98	1,717.79	56.18	31.575		
6,300.00	6,217.21	6,315.67	6,231.85	30.19	33.13	-143.15	1,066.80	447.72	1,786.87	1,729.83	57.04	31.325		
6,400.00	6,315.75	6,398.83	6,314.98	30.68	33.41	-143.37	1,066.39	449.44	1,799.81	1,741.98	57.83	31.121		
6,500.00	6,414.29	6,496.18	6,411.96	31.16	33.74	-143.44	1,067.19	457.11	1,813.31	1,754.62	58.68	30.900		
6,582.51	6,495.60	6,553.80	6,468.20	31.57	33.94	-143.24	1,069.02	469.24	1,824.92	1,765.60	59.31	30.767		
6,600.00	6,512.86	6,565.03	6,478.90	31.65	33.98	-150.91	1,069.62	472.60	1,827.51	1,768.07	59.44	30.744		
6,650.00	6,562.39	6,600.00	6,511.46	31.88	34.11	178.37	1,071.95	485.10	1,835.04	1,775.23	59.81	30.681		
6,700.00	6,611.96	6,641.28	6,510.65	32.08	35.11	150.48	1,074.89	643.71	1,841.87	1,780.67	61.20	30.097		
6,750.00	6,661.26	6,697.86	6,630.39	32.27	35.17	130.28	1,073.42	661.45	1,842.91	1,781.25	61.67	29.886		
6,800.00	6,709.99	6,996.11	6,850.68	32.44	35.23	119.52	1,072.04	681.06	1,844.84	1,782.71	62.13	29.693		
6,850.00	6,757.84	7,023.55	6,869.58	32.61	35.29	113.42	1,070.72	700.90	1,847.68	1,785.10	62.58	29.524		
6,900.00	6,804.53	7,040.59	6,880.90	32.77	35.33	109.36	1,069.91	713.61	1,851.64	1,788.66	62.98	29.399		
6,950.00	6,849.77	7,052.04	6,888.31	32.92	35.35	106.38	1,069.40	722.34	1,856.86	1,793.53	63.33	29.320		
7,000.00	6,893.27	7,059.30	6,892.92	33.07	35.37	103.97	1,069.08	727.94	1,863.37	1,799.74	63.63	29.284 SF		
7,050.00	6,934.77	7,063.01	6,895.25	33.23	35.38	101.85	1,068.91	730.82	1,871.18	1,807.29	63.89	29.287		
7,100.00	6,974.01	7,063.73	6,895.69	33.39	35.38	99.88	1,068.88	731.37	1,880.25	1,816.14	64.12	29.325		
7,150.00	7,010.75	7,061.90	6,894.55	33.55	35.38	97.97	1,068.96	729.95	1,890.51	1,826.19	64.32	29.393		
7,200.00	7,044.77	7,057.92	6,892.04	33.72	35.37	96.08	1,069.14	726.86	1,901.87	1,837.36	64.51	29.484		
7,250.00	7,075.85	7,052.10	6,888.34	33.92	35.35	94.19	1,069.39	722.38	1,914.21	1,849.52	64.69	29.591		
7,300.00	7,103.80	7,044.71	6,883.58	34.13	35.34	92.28	1,069.73	716.73	1,927.42	1,862.54	64.88	29.707		
7,350.00	7,128.45	7,035.96	6,877.86	34.38	35.32	90.36	1,070.13	710.13	1,941.35	1,876.27	65.09	29.827		
7,400.00	7,149.65	7,027.00	6,871.90	34.67	35.30	88.46	1,070.55	703.45	1,955.87	1,890.55	65.33	29.940		
7,450.00	7,167.26	7,013.09	6,862.47	35.00	35.26	86.47	1,071.22	693.25	1,970.83	1,905.25	65.57	30.056		
7,500.00	7,181.19	6,999.31	6,852.92	35.38	35.23	84.54	1,071.88	683.34	1,986.05	1,920.19	65.86	30.157		
7,550.00	7,191.34	6,980.00	6,839.20	35.81	35.19	82.53	1,072.81	669.78	2,001.40	1,935.26	66.13	30.263		
7,600.00	7,197.65	6,980.00	6,839.20	36.28	35.19	81.06	1,072.81	669.78	2,016.76	1,950.13	66.63	30.268		
7,650.00	7,200.08	6,957.39	6,822.69	36.80	35.15	79.16	1,073.98	654.39	2,031.89	1,964.93	66.97	30.341		
7,667.87	7,200.00	6,952.35	6,818.95	36.99	35.13	78.57	1,074.25	651.02	2,037.26	1,970.14	67.12	30.351		
7,700.00	7,199.42	6,932.00	6,803.62	37.35	35.09	78.14	1,075.44	637.68	2,047.14	1,979.82	67.32	30.411		
7,800.00	7,197.60	6,915.78	6,791.16	38.62	35.06	77.80	1,076.46	627.34	2,079.86	2,011.45	68.42	30.400		
7,900.00	7,195.78	6,885.00	6,766.97	40.06	35.00	77.13	1,078.53	608.43	2,116.08	2,046.60	69.48	30.457		
8,000.00	7,193.97	6,854.04	6,741.75	41.66	34.93	76.44	1,080.43	590.58	2,155.45	2,084.84	70.61	30.528		
8,100.00	7,192.15	6,803.28	6,698.17	43.40	34.79	75.24	1,081.90	564.68	2,197.65	2,126.05	71.61	30.691		
8,200.00	7,190.33	6,770.75	6,668.81	45.25	34.69	74.43	1,081.23	550.68	2,242.47	2,169.75	72.72	30.837		
8,300.00	7,188.51	8,300.00	6,642.87	47.20	46.77	73.71	1,080.11	539.93	2,290.34	2,217.14	73.20	31.288		
8,400.00	7,186.70	6,625.99	6,535.23	49.25	34.20	70.76	1,073.85	495.45	2,340.82	2,266.58	74.24	31.530		
8,500.00	7,184.88	6,600.00	6,511.46	51.37	34.11	70.11	1,071.95	485.10	2,392.40	2,317.01	75.39	31.734		
8,600.00	7,183.06	6,600.00	6,511.46	53.56	34.11	70.11	1,071.95	485.10	2,446.98	2,370.25	76.72	31.894		
8,700.00	7,181.24	6,600.00	6,511.46	55.81	34.11	70.11	1,071.95	485.10	2,504.35	2,426.36	77.99	32.111		
8,800.00	7,179.43	6,600.00	6,511.46	58.11	34.11	70.11	1,071.95	485.10	2,564.35	2,485.16	79.19	32.382		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,900.00	7,177.61	6,600.00	6,511.46	60.46	34.11	70.11	1,071.95	485.10	2,626.78	2,546.46	80.33	32.702		
9,000.00	7,175.79	6,600.00	6,511.46	62.85	34.11	70.11	1,071.95	485.10	2,691.48	2,610.09	81.39	33.068		
9,100.00	7,173.98	6,600.00	6,511.46	65.28	34.11	70.11	1,071.95	485.10	2,758.29	2,675.90	82.39	33.477		
9,200.00	7,172.16	6,556.68	6,470.95	67.74	33.95	69.02	1,069.17	470.07	2,824.51	2,741.46	83.05	34.011		
9,300.00	7,170.34	6,552.78	6,467.23	70.23	33.94	68.93	1,068.97	468.95	2,894.59	2,810.67	83.91	34.494		
9,400.00	7,168.52	6,549.13	6,463.72	72.74	33.93	68.83	1,068.80	467.93	2,966.35	2,881.62	84.73	35.010		
9,500.00	7,166.71	6,505.00	6,420.68	75.28	33.77	67.71	1,067.35	458.44	3,041.98	2,956.76	85.22	35.696		
9,600.00	7,164.89	6,505.00	6,420.68	77.84	33.77	67.71	1,067.35	458.44	3,116.42	3,030.46	85.96	36.252		
9,700.00	7,163.07	6,505.00	6,420.68	80.43	33.77	67.71	1,067.35	458.44	3,192.25	3,105.59	86.66	36.836		
9,800.00	7,161.26	6,505.00	6,420.68	83.02	33.77	67.71	1,067.35	458.44	3,269.39	3,182.08	87.31	37.445		
9,900.00	7,159.44	6,505.00	6,420.68	85.64	33.77	67.71	1,067.35	458.44	3,347.74	3,259.82	87.92	38.077		
10,000.00	7,157.62	6,505.00	6,420.68	88.27	33.77	67.71	1,067.35	458.44	3,427.21	3,338.72	88.49	38.731		
10,100.00	7,155.80	6,505.00	6,420.68	90.91	33.77	67.71	1,067.35	458.44	3,507.73	3,418.71	89.02	39.404		
10,200.00	7,153.99	6,505.00	6,420.68	93.56	33.77	67.71	1,067.35	458.44	3,589.23	3,499.72	89.52	40.096		
10,300.00	7,152.17	6,505.00	6,420.68	96.23	33.77	67.71	1,067.35	458.44	3,671.65	3,581.67	89.98	40.805		
10,400.00	7,150.35	6,505.00	6,420.68	98.90	33.77	67.71	1,067.35	458.44	3,754.92	3,664.50	90.42	41.529		
10,500.00	7,148.54	6,505.00	6,420.68	101.59	33.77	67.71	1,067.35	458.44	3,838.99	3,748.17	90.83	42.268		
10,600.00	7,146.72	6,505.00	6,420.68	104.28	33.77	67.71	1,067.35	458.44	3,923.81	3,832.60	91.21	43.020		
10,700.00	7,144.90	6,505.00	6,420.68	106.98	33.77	67.71	1,067.35	458.44	4,009.33	3,917.76	91.57	43.784		
10,800.00	7,143.08	6,505.00	6,420.68	109.69	33.77	67.71	1,067.35	458.44	4,095.50	4,003.59	91.91	44.560		
10,900.00	7,141.27	6,505.00	6,420.68	112.41	33.77	67.71	1,067.35	458.44	4,182.29	4,090.06	92.23	45.347		
11,000.00	7,139.45	6,505.00	6,420.68	115.13	33.77	67.71	1,067.35	458.44	4,269.66	4,177.13	92.53	46.144		
11,100.00	7,137.63	6,505.00	6,420.68	117.86	33.77	67.71	1,067.35	458.44	4,357.57	4,264.75	92.81	46.949		
11,200.00	7,135.82	6,505.00	6,420.68	120.59	33.77	67.71	1,067.35	458.44	4,445.99	4,352.91	93.08	47.764		
11,300.00	7,134.00	6,505.00	6,420.68	123.33	33.77	67.71	1,067.35	458.44	4,534.89	4,441.55	93.34	48.587		
11,400.00	7,132.18	6,505.00	6,420.68	126.07	33.77	67.71	1,067.35	458.44	4,624.25	4,530.67	93.58	49.417		
11,500.00	7,130.36	6,505.00	6,420.68	128.82	33.77	67.71	1,067.35	458.44	4,714.03	4,620.22	93.80	50.254		
11,600.00	7,128.55	6,505.00	6,420.68	131.57	33.77	67.71	1,067.35	458.44	4,804.22	4,710.19	94.02	51.097		
11,700.00	7,126.73	6,505.00	6,420.68	134.33	33.77	67.71	1,067.35	458.44	4,894.78	4,800.56	94.23	51.947		
11,800.00	7,124.91	6,505.00	6,420.68	137.09	33.77	67.71	1,067.35	458.44	4,985.71	4,891.29	94.42	52.802		
11,900.00	7,123.10	6,505.00	6,420.68	139.85	33.77	67.71	1,067.35	458.44	5,076.98	4,982.37	94.61	53.662		
12,000.00	7,121.28	6,505.00	6,420.68	142.62	33.77	67.71	1,067.35	458.44	5,168.58	5,073.79	94.79	54.528		
12,100.00	7,119.46	6,505.00	6,420.68	145.39	33.77	67.71	1,067.35	458.44	5,260.48	5,165.52	94.96	55.398		
12,200.00	7,117.64	6,505.00	6,420.68	148.16	33.77	67.71	1,067.35	458.44	5,352.66	5,257.54	95.12	56.272		
12,300.00	7,115.83	6,505.00	6,420.68	150.94	33.77	67.71	1,067.35	458.44	5,445.13	5,349.85	95.28	57.150		
12,400.00	7,114.01	6,505.00	6,420.68	153.72	33.77	67.71	1,067.35	458.44	5,537.86	5,442.43	95.43	58.032		
12,500.00	7,112.19	6,505.00	6,420.68	156.50	33.77	67.71	1,067.35	458.44	5,630.83	5,535.26	95.57	58.918		
12,600.00	7,110.37	6,505.00	6,420.68	159.28	33.77	67.71	1,067.35	458.44	5,724.05	5,628.34	95.71	59.807		
12,700.00	7,108.56	6,505.00	6,420.68	162.07	33.77	67.71	1,067.35	458.44	5,817.48	5,721.64	95.84	60.699		
12,800.00	7,106.74	6,505.00	6,420.68	164.86	33.77	67.71	1,067.35	458.44	5,911.14	5,815.17	95.97	61.593		
12,900.00	7,104.92	6,505.00	6,420.68	167.65	33.77	67.71	1,067.35	458.44	6,005.00	5,908.90	96.09	62.491		
13,000.00	7,103.11	6,505.00	6,420.68	170.44	33.77	67.71	1,067.35	458.44	6,099.05	6,002.83	96.21	63.390		
13,100.00	7,101.29	6,505.00	6,420.68	173.23	33.77	67.71	1,067.35	458.44	6,193.29	6,096.96	96.33	64.292		
13,200.00	7,099.47	6,505.00	6,420.68	176.03	33.77	67.71	1,067.35	458.44	6,287.70	6,191.26	96.44	65.197		
13,300.00	7,097.65	6,505.00	6,420.68	178.82	33.77	67.71	1,067.35	458.44	6,382.29	6,285.74	96.55	66.103		
13,400.00	7,095.84	6,505.00	6,420.68	181.62	33.77	67.71	1,067.35	458.44	6,477.04	6,380.39	96.66	67.011		
13,500.00	7,094.02	6,505.00	6,420.68	184.42	33.77	67.71	1,067.35	458.44	6,571.95	6,475.19	96.76	67.921		
13,600.00	7,092.20	6,505.00	6,420.68	187.22	33.77	67.71	1,067.35	458.44	6,667.00	6,570.14	96.86	68.832		
13,700.00	7,090.39	6,505.00	6,420.68	190.03	33.77	67.71	1,067.35	458.44	6,762.20	6,665.24	96.96	69.744		
13,800.00	7,088.57	6,505.00	6,420.68	192.83	33.77	67.71	1,067.35	458.44	6,857.53	6,760.48	97.05	70.658		
13,900.00	7,086.75	6,505.00	6,420.68	195.64	33.77	67.71	1,067.35	458.44	6,953.00	6,855.85	97.14	71.574		
14,000.00	7,084.93	6,505.00	6,420.68	198.44	33.77	67.71	1,067.35	458.44	7,048.59	6,951.35	97.24	72.490		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	
14,100.00	7,083.12	6,462.46	6,378.50	201.25	33.63	66.62	1,066.71	453.00	7,142.92	7,045.70	97.22	73.472	
14,200.00	7,081.30	6,461.39	6,377.44	204.06	33.62	66.60	1,066.70	452.90	7,238.68	7,141.38	97.31	74.391	
14,300.00	7,079.48	6,460.36	6,376.41	206.87	33.62	66.57	1,066.69	452.80	7,334.55	7,237.16	97.39	75.312	
14,400.00	7,077.67	6,459.35	6,375.40	209.68	33.62	66.55	1,066.68	452.70	7,430.53	7,333.06	97.47	76.233	
14,500.00	7,075.85	6,458.36	6,374.42	212.49	33.61	66.52	1,066.67	452.61	7,526.61	7,429.06	97.55	77.155	
14,600.00	7,074.03	6,457.40	6,373.46	215.31	33.61	66.50	1,066.66	452.52	7,622.79	7,525.16	97.63	78.077	
14,700.00	7,072.21	6,456.46	6,372.52	218.12	33.61	66.47	1,066.65	452.43	7,719.07	7,621.36	97.71	79.000	
14,800.00	7,070.40	6,455.54	6,371.61	220.93	33.60	66.45	1,066.64	452.35	7,815.44	7,717.65	97.79	79.923	
14,900.00	7,068.58	6,454.64	6,370.71	223.75	33.60	66.43	1,066.63	452.27	7,911.89	7,814.03	97.86	80.846	
15,000.00	7,066.76	6,453.76	6,369.84	226.57	33.60	66.40	1,066.63	452.20	8,008.44	7,910.50	97.94	81.770	
15,100.00	7,064.95	6,452.91	6,368.99	229.38	33.59	66.38	1,066.62	452.12	8,105.06	8,007.05	98.01	82.693	
15,200.00	7,063.13	6,410.00	6,326.15	232.20	33.45	65.31	1,066.39	449.73	8,203.10	8,105.12	97.99	83.718	
15,300.00	7,061.31	6,410.00	6,326.15	235.02	33.45	65.31	1,066.39	449.73	8,299.83	8,201.77	98.06	84.640	
15,400.00	7,059.49	6,410.00	6,326.15	237.84	33.45	65.31	1,066.39	449.73	8,396.64	8,298.50	98.14	85.562	
15,500.00	7,057.68	6,410.00	6,326.15	240.66	33.45	65.31	1,066.39	449.73	8,493.52	8,395.31	98.21	86.484	
15,600.00	7,055.86	6,410.00	6,326.15	243.48	33.45	65.31	1,066.39	449.73	8,590.47	8,492.19	98.28	87.406	
15,647.29	7,055.00	6,410.00	6,326.15	244.81	33.45	65.31	1,066.39	449.73	8,636.35	8,538.03	98.32	87.842	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	77.76	113.67	523.90	536.14					
100.00	100.00	93.68	93.68	3.28	3.29	77.77	113.54	523.87	536.03	529.46	6.57	81.573		
200.00	200.00	195.43	195.43	3.34	3.32	77.82	113.07	523.73	535.81	529.15	6.65	80.519		
300.00	300.00	299.35	299.34	3.44	3.42	77.89	112.20	523.03	534.97	528.11	6.86	77.972		
400.00	399.98	398.68	398.66	3.60	3.56	-58.26	111.55	521.94	532.84	525.68	7.16	74.442		
500.00	499.84	502.30	502.27	3.79	3.76	-58.79	110.91	520.67	528.78	521.23	7.55	70.031		
600.00	599.45	602.49	602.45	4.03	3.99	-59.69	110.19	518.90	522.42	514.40	8.02	65.163		
700.00	698.70	695.92	695.86	4.30	4.24	-60.94	110.12	517.58	514.96	506.43	8.53	60.377		
790.00	787.61	786.84	786.78	4.57	4.49	-62.56	110.70	516.50	507.42	498.36	9.06	56.004		
800.00	797.47	796.96	796.90	4.60	4.52	-62.75	110.79	516.35	506.51	497.38	9.12	55.519		
900.00	896.01	891.30	891.21	4.94	4.81	-64.62	112.44	514.99	498.01	488.26	9.74	51.118		
1,000.00	994.55	985.34	985.18	5.30	5.11	-66.72	115.77	513.82	490.91	480.51	10.40	47.203		
1,100.00	1,093.09	1,077.86	1,077.58	5.68	5.41	-68.95	120.30	513.13	485.53	474.45	11.09	43.788		
1,200.00	1,191.63	1,169.56	1,169.13	6.08	5.73	-71.26	125.70	513.21	482.17	470.37	11.80	40.853		
1,300.00	1,290.17	1,269.51	1,268.86	6.49	6.09	-73.87	132.26	513.41	480.17	467.60	12.57	38.194		
1,394.37	1,383.16	1,357.78	1,356.87	6.89	6.42	-76.32	138.98	512.95	479.13	465.83	13.30	36.031 CC		
1,400.00	1,388.71	1,362.85	1,361.92	6.91	6.44	-76.47	139.45	512.91	479.13	465.79	13.34	35.915 ES		
1,500.00	1,487.25	1,452.72	1,451.20	7.34	6.79	-79.33	149.63	511.86	480.66	466.55	14.12	34.052		
1,600.00	1,585.79	1,547.76	1,545.25	7.77	7.18	-82.63	163.15	509.99	484.75	469.82	14.93	32.469		
1,700.00	1,684.34	1,648.05	1,644.41	8.22	7.60	-86.17	177.86	506.88	490.05	474.26	15.78	31.045		
1,800.00	1,782.88	1,749.18	1,744.44	8.66	8.04	-89.70	192.14	502.65	496.05	479.39	16.66	29.781		
1,900.00	1,881.42	1,848.38	1,842.63	9.12	8.49	-93.05	205.36	497.88	502.87	485.35	17.52	28.696		
2,000.00	1,979.96	1,933.29	1,926.73	9.57	8.87	-95.78	216.57	494.56	511.84	493.53	18.31	27.959		
2,100.00	2,078.50	2,031.39	2,023.84	10.03	9.32	-98.77	230.23	491.93	523.56	504.39	19.17	27.316		
2,200.00	2,177.04	2,131.94	2,123.53	10.49	9.78	-101.65	243.05	489.01	535.60	515.56	20.04	26.725		
2,300.00	2,275.58	2,232.83	2,223.68	10.95	10.24	-104.35	254.88	486.10	548.03	527.12	20.92	26.201		
2,400.00	2,374.12	2,319.89	2,310.02	11.42	10.65	-106.64	265.62	483.17	561.88	540.18	21.70	25.897		
2,500.00	2,472.66	2,402.59	2,391.78	11.89	11.05	-108.83	277.71	480.16	578.68	556.25	22.43	25.796		
2,600.00	2,571.20	2,506.08	2,493.98	12.36	11.56	-111.43	293.62	476.73	597.40	574.07	23.34	25.600		
2,700.00	2,669.74	2,585.77	2,572.69	12.83	11.95	-113.31	305.74	474.01	616.97	592.94	24.03	25.674		
2,800.00	2,768.28	2,673.04	2,658.60	13.30	12.39	-115.24	320.95	472.10	639.76	614.97	24.78	25.812		
2,900.00	2,866.83	2,771.73	2,755.67	13.78	12.90	-117.36	338.50	469.01	663.44	637.79	25.65	25.865		
3,000.00	2,965.37	2,863.33	2,845.84	14.25	13.38	-119.18	354.35	466.19	687.48	661.04	26.44	25.999		
3,100.00	3,063.91	2,957.64	2,938.72	14.73	13.86	-120.76	370.68	465.52	712.70	685.43	27.26	26.141		
3,200.00	3,162.45	3,058.94	3,038.54	15.20	14.39	-122.39	387.87	464.20	737.98	709.83	28.16	26.210		
3,300.00	3,260.99	3,161.60	3,139.83	15.68	14.92	-123.99	404.42	461.77	762.76	733.70	29.06	26.246		
3,400.00	3,359.53	3,263.18	3,240.16	16.16	15.44	-125.52	420.01	458.47	787.14	757.18	29.96	26.276		
3,500.00	3,458.07	3,355.82	3,331.69	16.64	15.91	-126.83	433.94	455.48	811.68	780.91	30.77	26.382		
3,600.00	3,556.61	3,456.73	3,431.43	17.12	16.43	-128.14	448.98	452.79	836.57	804.91	31.66	26.426		
3,700.00	3,655.15	3,558.63	3,512.36	17.60	16.85	-129.14	461.41	450.72	862.08	829.72	32.36	26.638		
3,800.00	3,753.69	3,636.23	3,608.69	18.08	17.36	-130.18	477.05	449.59	888.82	855.60	33.23	26.750		
3,900.00	3,852.23	3,731.22	3,702.49	18.56	17.85	-131.19	491.90	447.66	915.39	881.32	34.07	26.871		
4,000.00	3,950.77	3,821.18	3,791.26	19.04	18.32	-132.13	506.29	445.14	942.53	907.67	34.86	27.041		
4,100.00	4,049.31	3,914.67	3,883.41	19.52	18.82	-133.12	521.67	441.65	970.35	934.66	35.68	27.194		
4,200.00	4,147.86	4,012.83	3,980.15	20.00	19.34	-134.13	537.69	437.29	998.31	961.75	36.56	27.306		
4,300.00	4,246.40	4,121.68	4,087.57	20.49	19.92	-135.21	554.57	432.24	1,025.77	988.22	37.54	27.322		
4,400.00	4,344.94	4,231.84	4,196.51	20.97	20.49	-136.24	570.00	427.04	1,052.02	1,013.49	38.53	27.302		
4,500.00	4,443.48	4,333.94	4,297.62	21.45	21.00	-137.18	583.19	421.70	1,077.48	1,038.04	39.44	27.319		
4,600.00	4,542.02	4,433.19	4,396.00	21.94	21.50	-137.93	595.98	418.74	1,103.03	1,062.70	40.33	27.353		
4,700.00	4,640.56	4,520.23	4,532.25	22.42	22.16	-138.85	610.32	415.98	1,126.22	1,084.70	41.52	27.125		
4,800.00	4,739.10	4,694.69	4,656.31	22.91	22.72	-139.60	619.97	414.74	1,146.95	1,104.37	42.58	26.937		
4,900.00	4,837.64	4,851.94	4,813.40	23.39	23.37	-140.56	626.29	412.29	1,164.25	1,120.46	43.78	26.591		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,000.00	4,936.18	4,960.75	4,922.20	23.87	23.80	-141.20	626.72	410.81	1,178.01	1,133.32	44.68	26.363		
5,100.00	5,034.72	5,056.36	5,017.80	24.36	24.17	-141.76	627.32	409.57	1,192.15	1,146.63	45.53	26.186		
5,200.00	5,133.26	5,158.21	5,119.64	24.84	24.56	-142.34	627.90	407.98	1,206.38	1,159.99	46.40	26.001		
5,300.00	5,231.80	5,254.88	5,216.29	25.33	24.94	-142.91	628.23	406.11	1,220.56	1,173.32	47.24	25.835		
5,400.00	5,330.34	5,360.27	5,321.66	25.82	25.34	-143.51	628.46	404.01	1,234.74	1,186.61	48.13	25.654		
5,500.00	5,428.89	5,453.94	5,415.32	26.30	25.71	-144.03	628.49	402.23	1,248.85	1,199.89	48.96	25.506		
5,600.00	5,527.43	5,538.19	5,499.55	26.79	26.04	-144.48	629.15	400.65	1,263.79	1,214.04	49.75	25.403		
5,700.00	5,625.97	5,649.95	5,611.29	27.27	26.48	-145.00	630.57	400.12	1,279.10	1,228.43	50.68	25.240		
5,800.00	5,724.51	5,733.84	5,695.15	27.76	26.81	-145.27	631.88	401.92	1,294.31	1,242.85	51.46	25.153		
5,900.00	5,823.05	5,820.67	5,781.91	28.24	27.16	-145.52	634.24	404.42	1,310.55	1,258.30	52.25	25.081		
6,000.00	5,921.59	5,953.36	5,914.56	28.73	27.69	-146.02	636.15	405.44	1,325.96	1,272.66	53.30	24.879		
6,100.00	6,020.13	6,040.88	6,002.07	29.22	28.03	-146.42	636.36	404.56	1,340.58	1,286.49	54.10	24.780		
6,200.00	6,118.67	6,138.53	6,099.71	29.70	28.42	-146.86	637.28	403.16	1,356.05	1,301.09	54.96	24.674		
6,300.00	6,217.21	6,269.08	6,230.23	30.19	28.92	-147.39	635.33	403.22	1,368.57	1,312.61	55.96	24.456		
6,400.00	6,315.75	6,363.34	6,324.40	30.68	29.27	-147.59	635.47	407.04	1,382.28	1,325.49	56.79	24.340		
6,500.00	6,414.29	6,523.97	6,481.66	31.16	29.85	-146.94	636.89	437.60	1,393.84	1,335.94	57.90	24.073		
6,582.51	6,495.60	6,660.11	6,607.61	31.57	30.27	-145.37	636.06	488.90	1,398.71	1,339.91	58.80	23.788		
6,600.00	6,512.86	6,676.99	6,622.60	31.65	30.32	-152.71	636.03	496.67	1,399.66	1,340.70	58.96	23.738		
6,650.00	6,562.39	6,758.85	6,692.50	31.88	30.54	178.32	635.93	539.18	1,401.88	1,342.34	59.53	23.548		
6,700.00	6,611.96	6,821.31	6,742.10	32.08	30.70	146.99	635.23	577.10	1,402.98	1,342.90	60.08	23.353		
6,750.00	6,661.26	6,861.70	6,772.44	32.27	30.80	127.37	634.81	603.75	1,404.34	1,343.76	60.57	23.185		
6,800.00	6,709.99	6,894.29	6,795.89	32.44	30.90	116.96	634.52	626.38	1,406.42	1,345.39	61.03	23.045		
6,850.00	6,757.84	6,913.49	6,809.29	32.61	30.94	110.77	634.43	640.13	1,409.63	1,348.20	61.43	22.947		
6,900.00	6,804.53	6,929.81	6,820.42	32.77	30.99	106.78	634.41	652.06	1,414.15	1,352.38	61.77	22.894		
6,950.00	6,849.77	6,941.87	6,828.50	32.92	31.02	103.86	634.42	661.01	1,420.11	1,358.07	62.05	22.888 SF		
7,000.00	6,893.27	6,950.09	6,833.94	33.07	31.05	101.46	634.45	667.18	1,427.57	1,365.31	62.26	22.929		
7,050.00	6,934.77	6,954.89	6,837.09	33.23	31.06	99.32	634.47	670.80	1,436.52	1,374.10	62.42	23.014		
7,100.00	6,974.01	6,956.64	6,838.23	33.39	31.07	97.27	634.48	672.13	1,446.93	1,384.40	62.53	23.139		
7,150.00	7,010.75	6,955.68	6,837.60	33.55	31.07	95.23	634.47	671.40	1,458.72	1,396.11	62.61	23.299		
7,200.00	7,044.77	6,952.33	6,835.41	33.72	31.06	93.17	634.46	668.87	1,471.77	1,409.11	62.66	23.487		
7,250.00	7,075.85	6,946.86	6,831.81	33.92	31.04	91.06	634.43	664.75	1,485.96	1,423.25	62.71	23.696		
7,300.00	7,103.80	6,939.51	6,826.94	34.13	31.02	88.89	634.42	659.25	1,501.12	1,438.36	62.76	23.918		
7,350.00	7,128.45	6,930.50	6,820.89	34.38	30.99	86.69	634.41	652.57	1,517.08	1,454.25	62.83	24.147		
7,400.00	7,149.65	6,920.02	6,813.77	34.67	30.96	84.47	634.42	644.88	1,533.66	1,470.74	62.92	24.375		
7,450.00	7,167.26	6,908.22	6,805.64	35.00	30.93	82.25	634.45	636.33	1,550.69	1,487.65	63.04	24.597		
7,500.00	7,181.19	6,885.00	6,789.30	35.38	30.87	79.72	634.60	619.83	1,568.04	1,504.97	63.07	24.863		
7,550.00	7,191.34	6,885.00	6,789.30	35.81	30.87	78.03	634.60	619.83	1,585.35	1,521.88	63.47	24.979		
7,600.00	7,197.65	6,864.91	6,774.80	36.28	30.81	75.80	634.78	605.93	1,602.60	1,538.91	63.68	25.165		
7,650.00	7,200.08	6,848.10	6,762.38	36.80	30.77	73.81	634.95	594.60	1,619.56	1,555.58	63.98	25.313		
7,667.87	7,200.00	6,841.92	6,757.76	36.99	30.75	73.12	635.01	590.50	1,625.52	1,561.43	64.10	25.361		
7,700.00	7,199.42	6,830.92	6,749.45	37.35	30.73	72.84	635.13	583.30	1,636.40	1,572.08	64.31	25.444		
7,800.00	7,197.60	6,790.00	6,717.65	38.62	30.63	71.74	635.61	557.55	1,672.93	1,607.98	64.95	25.758		
7,900.00	7,195.78	6,768.38	6,700.29	40.06	30.57	71.14	635.85	544.67	1,713.29	1,647.38	65.91	25.995		
8,000.00	7,193.97	6,740.75	6,677.50	41.66	30.49	70.37	636.03	529.05	1,757.46	1,690.64	66.82	26.302		
8,100.00	7,192.15	6,695.00	6,638.41	43.40	30.37	69.05	636.06	505.30	1,805.57	1,738.05	67.52	26.742		
8,200.00	7,190.33	6,695.00	6,638.41	45.25	30.37	69.05	636.06	505.30	1,856.60	1,787.86	68.74	27.010		
8,300.00	7,188.51	6,695.00	6,638.41	47.20	30.37	69.05	636.06	505.30	1,911.50	1,841.61	69.89	27.349		
8,400.00	7,186.70	6,659.41	6,606.99	49.25	30.26	68.00	636.06	488.58	1,969.02	1,898.39	70.63	27.880		
8,500.00	7,184.88	6,643.95	6,593.12	51.37	30.22	67.55	636.14	481.76	2,029.71	1,958.19	71.52	28.380		
8,600.00	7,183.06	6,629.60	6,580.12	53.56	30.18	67.12	636.25	475.67	2,093.11	2,020.74	72.37	28.924		
8,700.00	7,181.24	6,600.00	6,553.00	55.81	30.09	66.25	636.62	463.85	2,159.19	2,086.17	73.02	29.568		
8,800.00	7,179.43	6,600.00	6,553.00	58.11	30.09	66.25	636.62	463.85	2,227.19	2,153.31	73.89	30.143		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,900.00	7,177.61	6,600.00	6,553.00	60.46	30.09	66.25	636.62	463.85	2,297.54	2,222.86	74.68	30.766		
9,000.00	7,175.79	6,572.65	6,527.58	62.85	30.00	65.44	636.93	453.75	2,369.62	2,294.42	75.20	31.511		
9,100.00	7,173.98	6,558.02	6,513.87	65.28	29.95	65.00	636.99	448.65	2,443.51	2,367.74	75.77	32.247		
9,200.00	7,172.16	6,544.46	6,501.09	67.74	29.91	64.60	637.00	444.11	2,519.00	2,442.69	76.31	33.010		
9,300.00	7,170.34	6,531.87	6,489.17	70.23	29.87	64.22	636.95	440.06	2,595.97	2,519.16	76.81	33.797		
9,400.00	7,168.52	6,505.00	6,463.56	72.74	29.78	63.42	636.68	431.94	2,674.44	2,597.27	77.17	34.656		
9,500.00	7,166.71	6,505.00	6,463.56	75.28	29.78	63.42	636.68	431.94	2,753.94	2,676.26	77.68	35.452		
9,600.00	7,164.89	6,505.00	6,463.56	77.84	29.78	63.42	636.68	431.94	2,834.75	2,756.60	78.15	36.274		
9,700.00	7,163.07	6,505.00	6,463.56	80.43	29.78	63.42	636.68	431.94	2,916.74	2,838.16	78.58	37.120		
9,800.00	7,161.26	6,505.00	6,463.56	83.02	29.78	63.42	636.68	431.94	2,999.82	2,920.85	78.97	37.986		
9,900.00	7,159.44	6,505.00	6,463.56	85.64	29.78	63.42	636.68	431.94	3,083.91	3,004.58	79.33	38.872		
10,000.00	7,157.62	6,505.00	6,463.56	88.27	29.78	63.42	636.68	431.94	3,168.93	3,089.26	79.67	39.776		
10,100.00	7,155.80	6,505.00	6,463.56	90.91	29.78	63.42	636.68	431.94	3,254.79	3,174.81	79.98	40.696		
10,200.00	7,153.99	6,505.00	6,463.56	93.56	29.78	63.42	636.68	431.94	3,341.44	3,261.18	80.26	41.630		
10,300.00	7,152.17	6,505.00	6,463.56	96.23	29.78	63.42	636.68	431.94	3,428.82	3,348.29	80.53	42.578		
10,400.00	7,150.35	6,464.68	6,424.59	98.90	29.64	62.23	636.18	421.64	3,515.36	3,434.77	80.59	43.619		
10,500.00	7,148.54	6,461.10	6,421.09	101.59	29.63	62.12	636.15	420.85	3,603.76	3,522.94	80.81	44.593		
10,600.00	7,146.72	6,457.69	6,417.76	104.28	29.62	62.02	636.11	420.13	3,692.72	3,611.70	81.02	45.578		
10,700.00	7,144.90	6,454.44	6,414.59	106.98	29.60	61.92	636.08	419.45	3,782.22	3,701.00	81.21	46.571		
10,800.00	7,143.08	6,451.34	6,411.55	109.69	29.59	61.83	636.05	418.82	3,872.21	3,790.81	81.39	47.573		
10,900.00	7,141.27	6,410.00	6,370.79	112.41	29.45	60.61	635.74	411.99	3,964.03	3,882.64	81.40	48.700		
11,000.00	7,139.45	6,410.00	6,370.79	115.13	29.45	60.61	635.74	411.99	4,054.72	3,973.15	81.57	49.706		
11,100.00	7,137.63	6,410.00	6,370.79	117.86	29.45	60.61	635.74	411.99	4,145.85	4,064.10	81.74	50.718		
11,200.00	7,135.82	6,410.00	6,370.79	120.59	29.45	60.61	635.74	411.99	4,237.37	4,155.47	81.90	51.738		
11,300.00	7,134.00	6,410.00	6,370.79	123.33	29.45	60.61	635.74	411.99	4,329.26	4,247.21	82.05	52.764		
11,400.00	7,132.18	6,410.00	6,370.79	126.07	29.45	60.61	635.74	411.99	4,421.51	4,339.32	82.19	53.795		
11,500.00	7,130.36	6,410.00	6,370.79	128.82	29.45	60.61	635.74	411.99	4,514.09	4,431.77	82.33	54.832		
11,600.00	7,128.55	6,410.00	6,370.79	131.57	29.45	60.61	635.74	411.99	4,606.98	4,524.53	82.45	55.874		
11,700.00	7,126.73	6,410.00	6,370.79	134.33	29.45	60.61	635.74	411.99	4,700.16	4,617.59	82.57	56.921		
11,800.00	7,124.91	6,410.00	6,370.79	137.09	29.45	60.61	635.74	411.99	4,793.62	4,710.93	82.69	57.971		
11,900.00	7,123.10	6,410.00	6,370.79	139.85	29.45	60.61	635.74	411.99	4,887.33	4,804.53	82.80	59.026		
12,000.00	7,121.28	6,410.00	6,370.79	142.62	29.45	60.61	635.74	411.99	4,981.29	4,898.39	82.91	60.084		
12,100.00	7,119.46	6,410.00	6,370.79	145.39	29.45	60.61	635.74	411.99	5,075.48	4,992.47	83.01	61.145		
12,200.00	7,117.64	6,410.00	6,370.79	148.16	29.45	60.61	635.74	411.99	5,169.89	5,086.79	83.10	62.209		
12,300.00	7,115.83	6,410.00	6,370.79	150.94	29.45	60.61	635.74	411.99	5,264.50	5,181.31	83.20	63.276		
12,400.00	7,114.01	6,410.00	6,370.79	153.72	29.45	60.61	635.74	411.99	5,359.31	5,276.03	83.29	64.346		
12,500.00	7,112.19	6,410.00	6,370.79	156.50	29.45	60.61	635.74	411.99	5,454.31	5,370.93	83.38	65.417		
12,600.00	7,110.37	6,410.00	6,370.79	159.28	29.45	60.61	635.74	411.99	5,549.48	5,466.02	83.46	66.491		
12,700.00	7,108.56	6,410.00	6,370.79	162.07	29.45	60.61	635.74	411.99	5,644.82	5,561.28	83.54	67.566		
12,800.00	7,106.74	6,410.00	6,370.79	164.86	29.45	60.61	635.74	411.99	5,740.32	5,656.69	83.63	68.643		
12,900.00	7,104.92	6,410.00	6,370.79	167.65	29.45	60.61	635.74	411.99	5,835.97	5,752.26	83.70	69.722		
13,000.00	7,103.11	6,410.00	6,370.79	170.44	29.45	60.61	635.74	411.99	5,931.76	5,847.98	83.78	70.802		
13,100.00	7,101.29	6,410.00	6,370.79	173.23	29.45	60.61	635.74	411.99	6,027.69	5,943.83	83.85	71.883		
13,200.00	7,099.47	6,410.00	6,370.79	176.03	29.45	60.61	635.74	411.99	6,123.74	6,039.82	83.93	72.965		
13,300.00	7,097.65	6,410.00	6,370.79	178.82	29.45	60.61	635.74	411.99	6,219.93	6,135.93	84.00	74.048		
13,400.00	7,095.84	6,410.00	6,370.79	181.62	29.45	60.61	635.74	411.99	6,316.23	6,232.16	84.07	75.132		
13,500.00	7,094.02	6,410.00	6,370.79	184.42	29.45	60.61	635.74	411.99	6,412.64	6,328.50	84.14	76.216		
13,600.00	7,092.20	6,410.00	6,370.79	187.22	29.45	60.61	635.74	411.99	6,509.16	6,424.96	84.21	77.301		
13,700.00	7,090.39	6,410.00	6,370.79	190.03	29.45	60.61	635.74	411.99	6,605.79	6,521.52	84.27	78.386		
13,800.00	7,088.57	6,410.00	6,370.79	192.83	29.45	60.61	635.74	411.99	6,702.52	6,618.18	84.34	79.472		
13,900.00	7,086.75	6,410.00	6,370.79	195.64	29.45	60.61	635.74	411.99	6,799.34	6,714.93	84.40	80.557		
14,000.00	7,084.93	6,410.00	6,370.79	198.44	29.45	60.61	635.74	411.99	6,896.25	6,811.78	84.47	81.643		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SRC Wiedeman #21-5-3NBHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 165-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	7,083.12	6,410.00	6,370.79	201.25	29.45	60.61	635.74	411.99	6,993.24	6,908.71	84.53	82.729	
14,200.00	7,081.30	6,410.00	6,370.79	204.06	29.45	60.61	635.74	411.99	7,090.33	7,005.73	84.60	83.815	
14,300.00	7,079.48	6,410.00	6,370.79	206.87	29.45	60.61	635.74	411.99	7,187.49	7,102.83	84.66	84.900	
14,400.00	7,077.67	6,410.00	6,370.79	209.68	29.45	60.61	635.74	411.99	7,284.72	7,200.00	84.72	85.985	
14,500.00	7,075.85	6,410.00	6,370.79	212.49	29.45	60.61	635.74	411.99	7,382.04	7,297.25	84.78	87.070	
14,600.00	7,074.03	6,410.00	6,370.79	215.31	29.45	60.61	635.74	411.99	7,479.42	7,394.57	84.84	88.154	
14,700.00	7,072.21	6,410.00	6,370.79	218.12	29.45	60.61	635.74	411.99	7,576.87	7,491.96	84.91	89.238	
14,800.00	7,070.40	6,410.00	6,370.79	220.93	29.45	60.61	635.74	411.99	7,674.39	7,589.42	84.97	90.322	
14,900.00	7,068.58	6,410.00	6,370.79	223.75	29.45	60.61	635.74	411.99	7,771.97	7,686.94	85.03	91.405	
15,000.00	7,066.76	6,410.00	6,370.79	226.57	29.45	60.61	635.74	411.99	7,869.61	7,784.52	85.09	92.487	
15,100.00	7,064.95	6,410.00	6,370.79	229.38	29.45	60.61	635.74	411.99	7,967.30	7,882.15	85.15	93.568	
15,200.00	7,063.13	6,410.00	6,370.79	232.20	29.45	60.61	635.74	411.99	8,065.06	7,979.85	85.21	94.649	
15,300.00	7,061.31	6,410.00	6,370.79	235.02	29.45	60.61	635.74	411.99	8,162.87	8,077.60	85.27	95.728	
15,400.00	7,059.49	6,410.00	6,370.79	237.84	29.45	60.61	635.74	411.99	8,260.73	8,175.40	85.33	96.807	
15,500.00	7,057.68	6,368.34	6,329.38	240.66	29.29	59.40	635.50	407.46	8,357.65	8,272.35	85.30	97.980	
15,600.00	7,055.86	6,367.26	6,328.30	243.48	29.29	59.37	635.49	407.37	8,455.56	8,370.20	85.36	99.060	
15,647.29	7,055.00	6,366.76	6,327.80	244.81	29.28	59.36	635.49	407.33	8,501.88	8,416.49	85.39	99.570	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	87.33	24.05	515.27	515.88					
100.00	100.00	101.43	101.42	3.28	3.30	87.37	23.60	514.28	514.89	508.30	6.59	78.172		
200.00	200.00	206.27	206.23	3.34	3.38	87.49	22.43	512.09	512.75	506.03	6.72	76.260		
300.00	300.00	305.75	305.66	3.44	3.52	87.68	20.67	509.51	510.09	503.12	6.96	73.255		
400.00	399.98	398.41	398.27	3.60	3.68	-48.20	17.95	507.86	507.04	499.77	7.28	69.676		
500.00	499.84	492.88	492.66	3.79	3.89	-48.26	14.21	507.63	503.15	495.47	7.67	65.567		
600.00	599.45	591.94	591.59	4.03	4.14	-48.49	9.08	508.02	497.54	489.38	8.16	60.975		
700.00	698.70	707.39	706.70	4.30	4.48	-48.88	0.50	507.06	488.35	479.58	8.78	55.643		
790.00	787.61	813.91	812.53	4.57	4.84	-49.28	-10.56	502.33	474.76	465.34	9.42	50.409		
800.00	797.47	821.46	820.02	4.60	4.87	-49.29	-11.49	501.92	473.04	463.56	9.48	49.904		
900.00	896.01	918.01	915.50	4.94	5.24	-49.22	-24.74	496.75	455.87	445.70	10.16	44.849		
1,000.00	994.55	1,018.08	1,014.13	5.30	5.66	-48.82	-40.83	491.57	438.76	427.84	10.92	40.172		
1,100.00	1,093.09	1,117.19	1,111.64	5.68	6.11	-48.28	-57.66	485.87	421.08	409.35	11.72	35.916		
1,200.00	1,191.63	1,209.74	1,202.65	6.08	6.54	-47.65	-73.88	481.42	404.36	391.82	12.54	32.257		
1,300.00	1,290.17	1,306.33	1,297.50	6.49	7.02	-46.80	-91.75	477.74	388.66	375.26	13.40	29.001		
1,400.00	1,388.71	1,398.12	1,387.66	6.91	7.48	-45.92	-108.78	475.35	374.26	359.99	14.27	26.219		
1,500.00	1,487.25	1,497.11	1,485.41	7.34	7.96	-45.36	-124.28	473.71	360.83	345.66	15.17	23.781		
1,600.00	1,585.79	1,600.22	1,587.57	7.77	8.45	-45.14	-138.05	471.22	346.63	330.55	16.08	21.555		
1,700.00	1,684.34	1,701.29	1,687.76	8.22	8.94	-44.99	-151.03	468.51	332.17	315.18	16.99	19.552		
1,800.00	1,782.88	1,806.30	1,791.56	8.66	9.47	-44.57	-165.78	462.80	314.96	297.04	17.92	17.576		
1,900.00	1,881.42	1,902.36	1,886.54	9.12	9.96	-44.08	-179.60	458.67	298.95	280.10	18.85	15.860		
2,000.00	1,979.96	2,004.58	1,987.29	9.57	10.49	-43.20	-195.68	452.54	281.34	261.53	19.81	14.205		
2,100.00	2,078.50	2,098.65	2,079.82	10.03	11.00	-41.98	-211.89	447.52	264.59	243.82	20.77	12.737		
2,200.00	2,177.04	2,194.90	2,174.62	10.49	11.53	-40.69	-228.11	443.86	249.45	227.70	21.75	11.468		
2,300.00	2,275.58	2,293.44	2,271.37	10.95	12.08	-38.77	-246.44	440.20	234.76	212.01	22.75	10.318		
2,400.00	2,374.12	2,389.25	2,364.95	11.42	12.63	-36.04	-266.68	436.65	220.82	197.05	23.77	9.290		
2,500.00	2,472.66	2,487.88	2,461.50	11.89	13.21	-33.19	-286.68	434.43	208.67	183.88	24.79	8.419		
2,600.00	2,571.20	2,594.00	2,565.14	12.36	13.84	-29.32	-308.95	429.67	195.22	169.42	25.80	7.567		
2,700.00	2,669.74	2,692.17	2,660.76	12.83	14.44	-24.75	-329.84	422.04	179.70	152.89	26.80	6.704		
2,800.00	2,768.28	2,792.17	2,758.13	13.30	15.05	-19.24	-351.30	414.39	165.74	137.97	27.77	5.969		
2,900.00	2,866.83	2,889.38	2,853.34	13.78	15.62	-13.88	-369.50	407.22	152.25	123.57	28.68	5.309		
3,000.00	2,965.37	2,987.22	2,949.56	14.25	16.18	-8.46	-386.37	401.73	140.82	111.29	29.53	4.768		
3,100.00	3,063.91	3,085.87	3,046.81	14.73	16.72	-2.78	-402.26	397.24	130.86	100.54	30.32	4.316		
3,200.00	3,162.45	3,185.56	3,145.48	15.20	17.24	2.60	-416.21	394.28	121.82	90.75	31.07	3.921		
3,300.00	3,260.99	3,285.04	3,244.03	15.68	17.76	8.60	-429.33	391.14	113.22	81.46	31.76	3.565		
3,400.00	3,359.53	3,381.88	3,339.62	16.16	18.29	16.66	-444.00	386.20	106.91	74.55	32.36	3.303		
3,500.00	3,458.07	3,479.57	3,435.85	16.64	18.83	25.72	-460.15	381.37	104.44	71.51	32.93	3.172		
3,540.02	3,497.50	3,519.32	3,475.02	16.83	19.06	29.31	-466.70	379.73	104.29	71.12	33.17	3.144		
3,600.00	3,556.61	3,578.98	3,533.86	17.12	19.39	34.59	-476.28	377.38	104.61	71.06	33.55	3.118		
3,700.00	3,655.15	3,677.89	3,631.44	17.60	19.93	43.65	-491.69	372.55	106.64	72.38	34.26	3.113		
3,800.00	3,753.69	3,773.98	3,726.02	18.08	20.48	52.12	-507.79	367.32	112.50	77.46	35.04	3.211		
3,900.00	3,852.23	3,871.08	3,821.34	18.56	21.05	59.55	-525.51	361.98	122.17	86.21	35.96	3.397		
4,000.00	3,950.77	3,968.56	3,916.86	19.04	21.63	65.69	-544.23	356.65	134.52	97.54	36.97	3.638		
4,100.00	4,049.31	4,067.25	4,013.57	19.52	22.22	70.74	-563.23	351.49	148.09	110.03	38.06	3.891		
4,200.00	4,147.86	4,165.27	4,109.57	20.00	22.80	74.91	-582.31	346.20	162.88	123.72	39.16	4.160		
4,300.00	4,246.40	4,263.89	4,206.29	20.49	23.39	78.39	-600.89	341.35	177.59	137.32	40.27	4.410		
4,400.00	4,344.94	4,357.99	4,298.19	20.97	23.97	81.16	-620.27	335.60	194.95	153.69	41.26	4.725		
4,500.00	4,443.48	4,457.88	4,395.85	21.45	24.58	83.64	-640.46	329.74	212.28	169.87	42.41	5.005		
4,600.00	4,542.02	4,555.05	4,490.73	21.94	25.18	85.79	-660.38	323.18	230.74	187.25	43.49	5.306		
4,700.00	4,640.56	4,655.86	4,589.53	22.42	25.79	87.90	-679.34	316.84	247.94	203.28	44.65	5.552		
4,800.00	4,739.10	4,754.04	4,685.69	22.91	26.37	89.78	-697.91	309.95	266.02	220.28	45.74	5.815		
4,900.00	4,837.64	4,853.33	4,783.31	23.39	26.96	91.77	-714.61	302.93	283.00	236.13	46.87	6.038		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,936.18	4,951.09	4,879.07	23.87	27.54	93.06	-733.31	296.83	301.10	253.17	47.93	6.282		
5,100.00	5,034.72	5,053.75	4,979.83	24.36	28.15	94.26	-752.21	291.36	318.19	269.10	49.09	6.482		
5,200.00	5,133.26	5,153.28	5,077.64	24.84	28.73	95.29	-770.03	286.82	334.48	284.31	50.17	6.667		
5,300.00	5,231.80	5,252.03	5,174.68	25.33	29.31	96.20	-787.77	282.38	350.85	299.61	51.24	6.848		
5,400.00	5,330.34	5,350.04	5,271.00	25.82	29.88	97.01	-805.46	278.10	367.24	314.96	52.28	7.024		
5,500.00	5,428.89	5,457.36	5,376.43	26.30	30.50	97.67	-825.15	274.55	383.04	329.57	53.47	7.164		
5,600.00	5,527.43	5,567.94	5,485.57	26.79	31.11	98.43	-842.83	273.08	395.90	341.24	54.65	7.244		
5,700.00	5,625.97	5,673.68	5,590.54	27.27	31.64	99.62	-855.45	271.53	406.64	350.87	55.77	7.291		
5,800.00	5,724.51	5,782.33	5,698.81	27.76	32.13	101.28	-864.20	269.88	415.50	358.61	56.89	7.303		
5,900.00	5,823.05	5,887.60	5,803.96	28.24	32.55	103.28	-868.69	268.13	422.84	364.86	57.98	7.293		
6,000.00	5,921.59	5,988.63	5,904.97	28.73	32.92	105.49	-870.06	266.19	429.50	370.47	59.03	7.275		
6,100.00	6,020.13	6,085.79	6,002.09	29.22	33.26	107.73	-870.23	263.65	436.88	376.82	60.06	7.274		
6,200.00	6,118.67	6,186.20	6,102.47	29.70	33.61	109.93	-870.59	261.11	444.91	383.84	61.07	7.285		
6,300.00	6,217.21	6,294.37	6,210.61	30.19	33.97	112.31	-869.78	259.34	452.38	390.29	62.09	7.286		
6,400.00	6,315.75	6,396.91	6,313.15	30.68	34.29	114.40	-868.95	259.98	458.33	395.28	63.05	7.269		
6,500.00	6,414.29	6,507.01	6,423.20	31.16	34.61	116.78	-866.18	261.24	463.91	399.92	63.99	7.249		
6,582.51	6,495.60	6,629.46	6,545.22	31.57	34.95	119.40	-860.83	269.36	464.34	399.87	64.48	7.202		
6,600.00	6,512.86	6,652.92	6,568.49	31.65	35.01	112.32	-859.81	272.17	463.36	398.80	64.56	7.177		
6,650.00	6,562.39	6,762.06	6,675.61	31.88	35.29	83.31	-857.20	292.33	456.01	392.43	63.58	7.172		
6,700.00	6,611.96	6,876.78	6,782.47	32.08	35.59	50.28	-859.72	333.60	435.54	374.63	60.90	7.151		
6,750.00	6,661.26	6,941.61	6,839.91	32.27	35.74	28.23	-863.32	363.42	407.93	348.14	59.79	6.823		
6,800.00	6,709.99	6,994.55	6,885.82	32.44	35.86	15.07	-865.49	389.69	375.64	316.68	58.96	6.371		
6,850.00	6,757.84	7,094.82	6,966.52	32.61	36.04	2.67	-866.92	448.91	336.56	284.33	52.24	6.443		
6,900.00	6,804.53	7,153.56	7,007.63	32.77	36.10	-13.74	-867.17	490.81	291.58	244.37	47.21	6.177		
6,950.00	6,849.77	7,181.46	7,025.17	32.92	36.14	-36.81	-867.51	512.49	244.16	199.27	44.89	5.439		
7,000.00	6,893.27	7,193.48	7,032.32	33.07	36.16	-62.22	-867.71	522.16	196.15	151.72	44.43	4.415		
7,050.00	6,934.77	7,196.52	7,034.08	33.23	36.16	-80.06	-867.76	524.63	148.81	103.23	45.58	3.265		
7,100.00	6,974.01	7,194.06	7,032.65	33.39	36.16	-87.89	-867.71	522.62	104.02	54.81	49.21	2.114		
7,150.00	7,010.75	7,188.00	7,029.09	33.55	36.15	-87.66	-867.61	517.72	67.26	9.17	58.09	1.158 Level 2		
7,188.76	7,037.37	7,181.56	7,025.24	33.68	36.14	-82.86	-867.51	512.57	55.27	-9.80	65.08	0.849 Level 1, CC, ES, SF		
7,200.00	7,044.77	7,179.47	7,023.97	33.72	36.14	-80.79	-867.48	510.91	56.37	-8.38	64.75	0.871 Level 1		
7,250.00	7,075.85	7,169.19	7,017.62	33.92	36.12	-68.50	-867.34	502.82	81.49	24.98	56.51	1.442 Level 3		
7,300.00	7,103.80	7,157.60	7,010.25	34.13	36.11	-53.59	-867.21	493.88	121.34	69.15	52.19	2.325		
7,350.00	7,128.45	7,145.04	7,002.01	34.38	36.09	-39.82	-867.09	484.41	164.93	113.72	51.21	3.221		
7,400.00	7,149.65	7,131.73	6,992.98	34.67	36.08	-29.16	-867.00	474.62	209.32	157.83	51.49	4.065		
7,450.00	7,167.26	7,117.81	6,983.25	35.00	36.06	-21.54	-866.94	464.68	253.54	201.24	52.30	4.848		
7,500.00	7,181.19	7,103.43	6,972.87	35.38	36.04	-16.17	-866.92	454.71	297.14	243.80	53.34	5.571		
7,550.00	7,191.34	7,089.00	6,962.15	35.81	36.03	-12.35	-866.93	445.06	339.88	285.34	54.54	6.232		
7,600.00	7,197.65	7,072.42	6,949.49	36.28	36.00	-9.43	-866.92	434.36	381.55	325.96	55.59	6.864		
7,650.00	7,200.08	7,055.83	6,936.49	36.80	35.97	-7.22	-866.80	424.06	422.00	365.29	56.71	7.441		
7,667.87	7,200.00	7,049.82	6,931.70	36.99	35.96	-6.56	-866.73	420.43	436.14	379.03	57.11	7.636		
7,700.00	7,199.42	7,039.27	6,923.19	37.35	35.94	-6.30	-866.58	414.19	461.62	403.80	57.82	7.984		
7,800.00	7,197.60	6,994.00	6,885.34	38.62	35.86	-5.27	-865.47	389.40	543.68	484.97	58.70	9.262		
7,900.00	7,195.78	6,979.27	6,872.65	40.06	35.83	-4.95	-864.95	381.94	627.65	566.72	60.93	10.301		
8,000.00	7,193.97	6,943.87	6,841.88	41.66	35.75	-4.23	-863.43	364.51	713.62	652.02	61.59	11.586		
8,100.00	7,192.15	6,911.17	6,813.12	43.40	35.67	-3.61	-861.70	349.04	800.73	738.54	62.19	12.876		
8,200.00	7,190.33	6,899.00	6,802.34	45.25	35.64	-3.40	-860.97	343.45	889.15	825.86	63.29	14.049		
8,300.00	7,188.51	6,865.31	6,772.09	47.20	35.56	-2.88	-859.18	328.73	978.38	914.83	63.55	15.395		
8,400.00	7,186.70	6,846.94	6,755.33	49.25	35.51	-2.66	-858.45	321.25	1,068.92	1,004.79	64.13	16.668		
8,500.00	7,184.88	6,830.27	6,739.97	51.37	35.47	-2.49	-857.93	314.79	1,160.39	1,095.76	64.63	17.954		
8,600.00	7,183.06	6,803.00	6,714.55	53.56	35.40	-2.27	-857.40	304.94	1,252.81	1,187.96	64.84	19.320		
8,700.00	7,181.24	6,803.00	6,714.55	55.81	35.40	-2.27	-857.40	304.94	1,345.63	1,280.16	65.47	20.553		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	7,179.43	6,803.00	6,714.55	58.11	35.40	-2.27	-857.40	304.94	1,439.41	1,373.44	65.98	21.816		
8,900.00	7,177.61	6,803.00	6,714.55	60.46	35.40	-2.27	-857.40	304.94	1,533.98	1,467.59	66.40	23.103		
9,000.00	7,175.79	6,803.00	6,714.55	62.85	35.40	-2.27	-857.40	304.94	1,629.20	1,562.46	66.74	24.410		
9,100.00	7,173.98	6,768.04	6,681.36	65.28	35.31	-2.08	-857.19	293.98	1,723.45	1,656.75	66.70	25.841		
9,200.00	7,172.16	6,761.34	6,674.92	67.74	35.29	-2.05	-857.21	292.13	1,819.05	1,752.13	66.92	27.183		
9,300.00	7,170.34	6,755.16	6,668.96	70.23	35.28	-2.03	-857.24	290.50	1,915.01	1,847.89	67.12	28.532		
9,400.00	7,168.52	6,749.45	6,663.43	72.74	35.26	-2.01	-857.28	289.06	2,011.28	1,943.98	67.30	29.887		
9,500.00	7,166.71	6,744.16	6,658.30	75.28	35.25	-1.99	-857.32	287.78	2,107.83	2,040.37	67.46	31.247		
9,600.00	7,164.89	6,708.00	6,622.92	77.84	35.15	-1.92	-857.95	280.40	2,205.77	2,138.37	67.40	32.724		
9,700.00	7,163.07	6,708.00	6,622.92	80.43	35.15	-1.92	-857.95	280.40	2,302.47	2,234.89	67.58	34.070		
9,800.00	7,161.26	6,708.00	6,622.92	83.02	35.15	-1.92	-857.95	280.40	2,399.45	2,331.71	67.74	35.422		
9,900.00	7,159.44	6,708.00	6,622.92	85.64	35.15	-1.92	-857.95	280.40	2,496.66	2,428.77	67.88	36.779		
10,000.00	7,157.62	6,708.00	6,622.92	88.27	35.15	-1.92	-857.95	280.40	2,594.08	2,526.07	68.01	38.141		
10,100.00	7,155.80	6,708.00	6,622.92	90.91	35.15	-1.92	-857.95	280.40	2,691.69	2,623.56	68.13	39.508		
10,200.00	7,153.99	6,708.00	6,622.92	93.56	35.15	-1.92	-857.95	280.40	2,789.47	2,721.23	68.24	40.877		
10,300.00	7,152.17	6,708.00	6,622.92	96.23	35.15	-1.92	-857.95	280.40	2,887.40	2,819.06	68.34	42.250		
10,400.00	7,150.35	6,708.00	6,622.92	98.90	35.15	-1.92	-857.95	280.40	2,985.47	2,917.04	68.44	43.624		
10,500.00	7,148.54	6,708.00	6,622.92	101.59	35.15	-1.92	-857.95	280.40	3,083.67	3,015.14	68.52	45.001		
10,600.00	7,146.72	6,708.00	6,622.92	104.28	35.15	-1.92	-857.95	280.40	3,181.97	3,113.36	68.61	46.378		
10,700.00	7,144.90	6,708.00	6,622.92	106.98	35.15	-1.92	-857.95	280.40	3,280.38	3,211.69	68.69	47.757		
10,800.00	7,143.08	6,708.00	6,622.92	109.69	35.15	-1.92	-857.95	280.40	3,378.88	3,310.12	68.77	49.136		
10,900.00	7,141.27	6,708.00	6,622.92	112.41	35.15	-1.92	-857.95	280.40	3,477.47	3,408.63	68.84	50.516		
11,000.00	7,139.45	6,708.00	6,622.92	115.13	35.15	-1.92	-857.95	280.40	3,576.14	3,507.23	68.91	51.896		
11,100.00	7,137.63	6,708.00	6,622.92	117.86	35.15	-1.92	-857.95	280.40	3,674.87	3,605.90	68.98	53.276		
11,200.00	7,135.82	6,672.02	6,587.39	120.59	35.06	-1.90	-859.04	274.76	3,773.01	3,704.04	68.98	54.701		
11,300.00	7,134.00	6,667.93	6,583.35	123.33	35.05	-1.90	-859.20	274.19	3,871.73	3,802.69	69.04	56.082		
11,400.00	7,132.18	6,663.99	6,579.45	126.07	35.04	-1.90	-859.35	273.64	3,970.49	3,901.39	69.10	57.461		
11,500.00	7,130.36	6,660.20	6,575.70	128.82	35.03	-1.90	-859.50	273.13	4,069.29	4,000.13	69.16	58.839		
11,600.00	7,128.55	6,656.54	6,572.08	131.57	35.02	-1.90	-859.65	272.64	4,168.14	4,098.92	69.22	60.216		
11,700.00	7,126.73	6,653.02	6,568.59	134.33	35.01	-1.91	-859.80	272.19	4,267.03	4,197.75	69.28	61.591		
11,800.00	7,124.91	6,649.61	6,565.21	137.09	35.00	-1.91	-859.95	271.75	4,365.96	4,296.62	69.34	62.964		
11,900.00	7,123.10	6,613.00	6,528.88	139.85	34.90	-1.96	-861.81	267.66	4,465.47	4,396.12	69.36	64.384		
12,000.00	7,121.28	6,613.00	6,528.88	142.62	34.90	-1.96	-861.81	267.66	4,564.37	4,494.95	69.42	65.747		
12,100.00	7,119.46	6,613.00	6,528.88	145.39	34.90	-1.96	-861.81	267.66	4,663.32	4,593.83	69.49	67.109		
12,200.00	7,117.64	6,613.00	6,528.88	148.16	34.90	-1.96	-861.81	267.66	4,762.31	4,692.76	69.55	68.469		
12,300.00	7,115.83	6,613.00	6,528.88	150.94	34.90	-1.96	-861.81	267.66	4,861.34	4,791.72	69.62	69.827		
12,400.00	7,114.01	6,613.00	6,528.88	153.72	34.90	-1.96	-861.81	267.66	4,960.41	4,890.73	69.68	71.184		
12,500.00	7,112.19	6,613.00	6,528.88	156.50	34.90	-1.96	-861.81	267.66	5,059.52	4,989.77	69.75	72.539		
12,600.00	7,110.37	6,613.00	6,528.88	159.28	34.90	-1.96	-861.81	267.66	5,158.66	5,088.85	69.81	73.892		
12,700.00	7,108.56	6,613.00	6,528.88	162.07	34.90	-1.96	-861.81	267.66	5,257.84	5,187.96	69.88	75.244		
12,800.00	7,106.74	6,613.00	6,528.88	164.86	34.90	-1.96	-861.81	267.66	5,357.04	5,287.10	69.94	76.593		
12,900.00	7,104.92	6,613.00	6,528.88	167.65	34.90	-1.96	-861.81	267.66	5,456.27	5,386.27	70.01	77.939		
13,000.00	7,103.11	6,613.00	6,528.88	170.44	34.90	-1.96	-861.81	267.66	5,555.54	5,485.46	70.07	79.284		
13,100.00	7,101.29	6,613.00	6,528.88	173.23	34.90	-1.96	-861.81	267.66	5,654.82	5,584.69	70.14	80.626		
13,200.00	7,099.47	6,613.00	6,528.88	176.03	34.90	-1.96	-861.81	267.66	5,754.13	5,683.93	70.20	81.965		
13,300.00	7,097.65	6,613.00	6,528.88	178.82	34.90	-1.96	-861.81	267.66	5,853.47	5,783.20	70.27	83.302		
13,400.00	7,095.84	6,613.00	6,528.88	181.62	34.90	-1.96	-861.81	267.66	5,952.83	5,882.49	70.33	84.637		
13,500.00	7,094.02	6,613.00	6,528.88	184.42	34.90	-1.96	-861.81	267.66	6,052.21	5,981.81	70.40	85.969		
13,600.00	7,092.20	6,613.00	6,528.88	187.22	34.90	-1.96	-861.81	267.66	6,151.61	6,081.14	70.47	87.298		
13,700.00	7,090.39	6,613.00	6,528.88	190.03	34.90	-1.96	-861.81	267.66	6,251.02	6,180.49	70.53	88.624		
13,800.00	7,088.57	6,613.00	6,528.88	192.83	34.90	-1.96	-861.81	267.66	6,350.46	6,279.86	70.60	89.947		
13,900.00	7,086.75	6,613.00	6,528.88	195.64	34.90	-1.96	-861.81	267.66	6,449.91	6,379.24	70.67	91.268		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SRC Wiedeman #22-5-4CHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 39-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	
14,000.00	7,084.93	6,613.00	6,528.88	198.44	34.90	-1.96	-861.81	267.66	6,549.38	6,478.65	70.74	92.585	
14,100.00	7,083.12	6,613.00	6,528.88	201.25	34.90	-1.96	-861.81	267.66	6,648.87	6,578.06	70.81	93.900	
14,200.00	7,081.30	6,613.00	6,528.88	204.06	34.90	-1.96	-861.81	267.66	6,748.37	6,677.49	70.88	95.211	
14,300.00	7,079.48	6,613.00	6,528.88	206.87	34.90	-1.96	-861.81	267.66	6,847.89	6,776.94	70.95	96.519	
14,400.00	7,077.67	6,613.00	6,528.88	209.68	34.90	-1.96	-861.81	267.66	6,947.42	6,876.40	71.02	97.824	
14,500.00	7,075.85	6,613.00	6,528.88	212.49	34.90	-1.96	-861.81	267.66	7,046.96	6,975.87	71.09	99.126	
14,600.00	7,074.03	6,613.00	6,528.88	215.31	34.90	-1.96	-861.81	267.66	7,146.52	7,075.36	71.16	100.425	
14,700.00	7,072.21	6,613.00	6,528.88	218.12	34.90	-1.96	-861.81	267.66	7,246.09	7,174.85	71.24	101.720	
14,800.00	7,070.40	6,613.00	6,528.88	220.93	34.90	-1.96	-861.81	267.66	7,345.67	7,274.36	71.31	103.012	
14,900.00	7,068.58	6,613.00	6,528.88	223.75	34.90	-1.96	-861.81	267.66	7,445.26	7,373.88	71.38	104.300	
15,000.00	7,066.76	6,613.00	6,528.88	226.57	34.90	-1.96	-861.81	267.66	7,544.86	7,473.40	71.46	105.586	
15,100.00	7,064.95	6,613.00	6,528.88	229.38	34.90	-1.96	-861.81	267.66	7,644.47	7,572.94	71.53	106.867	
15,200.00	7,063.13	6,613.00	6,528.88	232.20	34.90	-1.96	-861.81	267.66	7,744.09	7,672.49	71.61	108.145	
15,300.00	7,061.31	6,613.00	6,528.88	235.02	34.90	-1.96	-861.81	267.66	7,843.73	7,772.04	71.68	109.420	
15,400.00	7,059.49	6,573.68	6,489.75	237.84	34.80	-2.01	-863.82	264.36	7,942.72	7,870.97	71.75	110.702	
15,500.00	7,057.68	6,572.36	6,488.43	240.66	34.79	-2.01	-863.87	264.27	8,042.33	7,970.50	71.83	111.970	
15,600.00	7,055.86	6,571.07	6,487.15	243.48	34.79	-2.01	-863.93	264.18	8,141.94	8,070.04	71.90	113.233	
15,647.29	7,055.00	6,570.47	6,486.55	244.81	34.79	-2.01	-863.96	264.14	8,189.05	8,117.11	71.94	113.830	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	80.86	83.80	521.12	527.86					
100.00	100.00	97.47	97.46	3.28	3.30	80.87	83.63	520.38	527.07	520.49	6.58	80.066		
200.00	200.00	197.35	197.34	3.34	3.37	80.91	83.18	519.66	526.29	519.59	6.71	78.451		
300.00	300.00	300.42	300.41	3.44	3.50	80.91	83.01	518.59	525.24	518.29	6.95	75.583		
400.00	399.98	405.34	405.30	3.60	3.69	-55.34	82.99	516.61	522.38	515.09	7.29	71.657		
500.00	499.84	501.51	501.46	3.79	3.90	-55.94	83.19	514.52	517.32	509.63	7.69	67.264		
600.00	599.45	596.49	596.42	4.03	4.14	-56.79	82.85	513.40	511.26	503.09	8.16	62.635		
700.00	698.70	697.72	697.64	4.30	4.43	-57.98	81.63	512.70	503.74	495.02	8.72	57.794		
790.00	787.61	792.69	792.58	4.57	4.71	-59.37	79.44	511.44	494.82	485.54	9.28	53.326		
800.00	797.47	803.22	803.11	4.60	4.75	-59.52	79.15	511.24	493.70	484.35	9.35	52.827		
900.00	896.01	892.95	892.81	4.94	5.04	-60.91	77.43	510.24	483.58	473.62	9.97	48.523		
1,000.00	994.55	985.67	985.53	5.30	5.34	-62.49	76.65	510.28	475.24	464.61	10.63	44.715		
1,100.00	1,093.09	1,080.55	1,080.40	5.68	5.65	-64.21	76.55	511.13	468.34	457.02	11.32	41.375		
1,200.00	1,191.63	1,176.62	1,176.46	6.08	5.98	-65.98	76.60	512.62	462.59	450.55	12.04	38.419		
1,300.00	1,290.17	1,276.14	1,275.97	6.49	6.32	-67.89	76.90	514.29	457.53	444.73	12.80	35.749		
1,400.00	1,388.71	1,376.04	1,375.86	6.91	6.68	-69.94	77.84	515.46	452.79	439.21	13.58	33.349		
1,500.00	1,487.25	1,475.81	1,475.61	7.34	7.05	-72.10	79.15	516.12	448.35	433.97	14.37	31.191		
1,600.00	1,585.79	1,574.25	1,574.04	7.77	7.42	-74.33	80.84	516.40	444.41	429.23	15.18	29.272		
1,700.00	1,684.34	1,673.10	1,672.87	8.22	7.80	-76.63	82.63	516.58	441.15	425.14	16.00	27.563		
1,800.00	1,782.88	1,772.73	1,772.49	8.66	8.18	-79.00	84.53	516.46	438.41	421.57	16.84	26.031		
1,900.00	1,881.42	1,869.96	1,869.69	9.12	8.57	-81.35	86.38	516.30	436.42	418.74	17.68	24.687		
2,000.00	1,979.96	1,968.51	1,968.22	9.57	8.96	-83.79	88.56	516.02	435.28	416.75	18.53	23.495		
2,100.00	2,078.50	2,067.58	2,067.12	10.03	9.36	-86.71	93.56	513.39	435.01	415.63	19.38	22.441		
2,139.10	2,117.03	2,110.56	2,109.93	10.21	9.53	-88.16	96.55	511.04	434.91	415.17	19.74	22.033		
2,200.00	2,177.04	2,179.10	2,178.09	10.49	9.81	-90.62	101.38	505.74	434.31	414.01	20.30	21.399		
2,300.00	2,275.58	2,286.48	2,284.75	10.95	10.26	-94.58	106.99	494.69	431.67	410.47	21.19	20.367		
2,400.00	2,374.12	2,381.07	2,378.79	11.42	10.67	-97.96	110.78	485.29	430.19	408.13	22.06	19.504		
2,415.10	2,389.00	2,395.10	2,392.76	11.49	10.73	-98.45	111.33	483.99	430.16	407.97	22.19	19.389 CC, ES		
2,500.00	2,472.66	2,474.54	2,471.83	11.89	11.07	-101.19	114.49	477.09	430.99	408.08	22.91	18.811		
2,600.00	2,571.20	2,570.60	2,567.52	12.36	11.48	-104.39	118.28	469.57	433.81	410.04	23.77	18.248		
2,700.00	2,669.74	2,669.14	2,665.65	12.83	11.91	-107.66	122.13	461.48	437.88	413.23	24.65	17.767		
2,800.00	2,768.28	2,763.78	2,759.87	13.30	12.32	-110.77	125.72	453.40	443.15	417.65	25.50	17.380		
2,900.00	2,866.83	2,858.57	2,854.03	13.78	12.74	-114.06	130.94	443.81	450.79	424.45	26.35	17.111		
3,000.00	2,965.37	2,950.94	2,945.81	14.25	13.16	-117.13	135.83	434.58	459.87	432.70	27.17	16.925		
3,100.00	3,063.91	3,042.63	3,036.88	14.73	13.57	-120.04	142.14	426.04	472.03	444.05	27.98	16.869		
3,200.00	3,162.45	3,143.33	3,137.00	15.20	14.03	-123.00	148.42	417.20	485.03	456.17	28.86	16.804		
3,300.00	3,260.99	3,237.04	3,230.21	15.68	14.45	-125.58	153.75	409.18	498.74	469.05	29.68	16.802		
3,400.00	3,359.53	3,329.16	3,321.87	16.16	14.87	-127.89	159.97	402.33	514.61	484.13	30.48	16.882		
3,500.00	3,458.07	3,426.96	3,419.21	16.64	15.31	-130.14	166.57	395.62	531.42	500.09	31.33	16.960		
3,600.00	3,556.61	3,525.34	3,517.17	17.12	15.76	-132.24	172.88	389.12	548.67	516.49	32.19	17.045		
3,700.00	3,655.15	3,622.70	3,614.16	17.60	16.20	-134.15	178.84	382.99	566.31	533.28	33.04	17.142		
3,800.00	3,753.69	3,723.62	3,714.70	18.08	16.66	-136.01	185.00	376.75	584.54	550.63	33.92	17.235		
3,900.00	3,852.23	3,841.95	3,832.84	18.56	17.18	-137.93	187.67	370.75	599.21	564.27	34.94	17.148		
4,000.00	3,950.77	3,937.67	3,928.41	19.04	17.60	-139.42	189.58	365.82	614.36	578.58	35.78	17.171		
4,100.00	4,049.31	4,039.41	4,030.07	19.52	18.04	-140.73	191.68	362.62	629.80	593.14	36.66	17.181		
4,200.00	4,147.86	4,161.21	4,151.85	20.00	18.53	-141.85	191.60	363.29	642.99	605.34	37.65	17.080		
4,300.00	4,246.40	4,259.22	4,249.85	20.49	18.92	-142.73	190.14	363.74	654.99	616.52	38.47	17.025		
4,400.00	4,344.94	4,358.46	4,349.07	20.97	19.31	-143.62	188.23	364.00	666.76	627.45	39.31	16.962		
4,500.00	4,443.48	4,446.50	4,437.09	21.45	19.66	-144.24	187.82	365.68	679.84	639.76	40.08	16.962		
4,600.00	4,542.02	4,540.95	4,531.52	21.94	20.04	-144.84	188.27	367.86	693.89	652.99	40.89	16.969		
4,700.00	4,640.56	4,630.29	4,620.83	22.42	20.40	-145.42	189.62	369.36	709.11	667.45	41.67	17.019		
4,800.00	4,739.10	4,725.16	4,715.67	22.91	20.80	-146.04	191.78	370.42	725.27	682.78	42.49	17.070		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,837.64	4,822.59	4,813.07	23.39	21.21	-146.67	194.32	371.15	741.90	698.57	43.33	17.121		
5,000.00	4,936.18	4,932.29	4,922.74	23.87	21.67	-147.38	196.34	371.81	757.92	713.64	44.28	17.117		
5,100.00	5,034.72	5,037.37	5,027.82	24.36	22.11	-148.16	196.25	371.03	772.43	727.25	45.18	17.096		
5,200.00	5,133.26	5,130.52	5,120.95	24.84	22.50	-148.88	196.26	369.51	787.38	741.38	46.00	17.117		
5,300.00	5,231.80	5,226.16	5,216.58	25.33	22.91	-149.61	196.70	367.74	802.94	756.10	46.84	17.142		
5,400.00	5,330.34	5,321.96	5,312.35	25.82	23.32	-150.32	197.32	365.72	818.87	771.18	47.68	17.173		
5,500.00	5,428.89	5,432.05	5,422.42	26.30	23.79	-151.09	198.07	363.69	834.95	786.31	48.63	17.168		
5,600.00	5,527.43	5,537.59	5,527.95	26.79	24.23	-151.77	196.72	362.63	848.97	799.43	49.54	17.138		
5,700.00	5,625.97	5,630.08	5,620.43	27.27	24.62	-152.33	195.98	361.87	863.52	813.17	50.35	17.149		
5,800.00	5,724.51	5,720.88	5,711.22	27.76	25.00	-152.86	195.95	361.01	878.92	827.76	51.16	17.181		
5,900.00	5,823.05	5,825.34	5,815.68	28.24	25.44	-153.44	196.43	360.07	894.87	842.81	52.06	17.188		
6,000.00	5,921.59	5,920.33	5,910.66	28.73	25.83	-153.87	196.52	360.55	910.12	857.23	52.89	17.207		
6,100.00	6,020.13	6,008.99	5,999.32	29.22	26.21	-154.25	197.51	360.77	926.44	872.76	53.67	17.260		
6,200.00	6,118.67	6,116.06	6,106.38	29.70	26.66	-154.71	199.06	360.74	943.23	888.63	54.61	17.274		
6,300.00	6,217.21	6,206.49	6,196.80	30.19	27.04	-155.08	199.78	360.99	959.37	903.96	55.40	17.316		
6,400.00	6,315.75	6,424.00	6,412.05	30.68	27.90	-154.66	201.86	384.32	974.56	917.72	56.84	17.146		
6,500.00	6,414.29	6,537.05	6,518.72	31.16	28.30	-153.05	201.44	421.73	978.91	921.17	57.74	16.953		
6,582.51	6,495.60	6,640.65	6,611.68	31.57	28.68	-150.91	203.38	467.26	982.16	923.61	58.55	16.775		
6,600.00	6,512.86	6,709.41	6,671.23	31.65	28.96	-156.74	202.66	501.61	982.11	923.38	58.73	16.721		
6,650.00	6,562.39	6,800.13	6,745.30	31.88	29.38	-175.90	199.10	553.73	979.56	920.31	59.26	16.531		
6,700.00	6,611.96	6,848.14	6,781.62	32.08	29.65	145.25	196.93	585.05	976.16	916.28	59.88	16.302		
6,750.00	6,661.26	6,887.46	6,810.22	32.27	29.88	126.54	195.20	611.97	973.34	912.85	60.49	16.091		
6,800.00	6,709.99	6,915.05	6,829.61	32.44	30.06	116.73	194.05	631.57	971.71	910.64	61.07	15.910		
6,821.44	6,730.63	6,924.07	6,835.77	32.51	30.12	113.98	193.73	638.14	971.54	910.24	61.30	15.848		
6,850.00	6,757.84	6,934.58	6,842.84	32.61	30.20	111.14	193.40	645.92	971.86	910.28	61.58	15.782		
6,900.00	6,804.53	6,949.18	6,852.45	32.77	30.30	107.55	193.01	656.90	974.09	912.11	61.98	15.716		
6,950.00	6,849.77	6,959.48	6,859.08	32.92	30.38	104.88	192.78	664.78	978.58	916.31	62.27	15.715 SF		
7,000.00	6,893.27	6,966.05	6,863.24	33.07	30.42	102.60	192.65	669.86	985.42	922.98	62.44	15.781		
7,050.00	6,934.77	6,969.40	6,865.35	33.23	30.45	100.43	192.60	672.47	994.61	932.10	62.51	15.911		
7,100.00	6,974.01	6,969.98	6,865.71	33.39	30.45	98.24	192.59	672.92	1,006.06	943.57	62.49	16.100		
7,150.00	7,010.75	6,968.16	6,864.57	33.55	30.44	95.96	192.62	671.50	1,019.64	957.24	62.40	16.341		
7,200.00	7,044.77	6,964.29	6,862.13	33.72	30.41	93.55	192.68	668.49	1,035.16	972.90	62.26	16.626		
7,250.00	7,075.85	6,958.63	6,858.54	33.92	30.37	91.01	192.79	664.13	1,052.42	990.31	62.10	16.946		
7,300.00	7,103.80	6,951.43	6,853.90	34.13	30.32	88.35	192.95	658.61	1,071.15	1,009.20	61.95	17.291		
7,350.00	7,128.45	6,942.88	6,848.33	34.38	30.26	85.60	193.17	652.13	1,091.12	1,029.30	61.82	17.650		
7,400.00	7,149.65	6,933.16	6,841.89	34.67	30.19	82.79	193.44	644.86	1,112.07	1,050.34	61.73	18.016		
7,450.00	7,167.26	6,922.41	6,834.64	35.00	30.11	79.96	193.79	636.93	1,133.73	1,072.05	61.68	18.379		
7,500.00	7,181.19	6,899.00	6,818.41	35.38	29.94	76.62	194.70	620.08	1,156.01	1,094.54	61.46	18.808		
7,550.00	7,191.34	6,899.00	6,818.41	35.81	29.94	74.43	194.70	620.08	1,178.26	1,116.46	61.80	19.067		
7,600.00	7,197.65	6,879.33	6,804.39	36.28	29.83	71.52	195.55	606.31	1,200.57	1,138.75	61.83	19.419		
7,650.00	7,200.08	6,859.65	6,790.10	36.80	29.72	68.82	196.42	592.81	1,222.54	1,160.61	61.93	19.741		
7,667.87	7,200.00	6,852.41	6,784.78	36.99	29.68	67.90	196.74	587.91	1,230.26	1,168.28	61.98	19.849		
7,700.00	7,199.42	6,839.47	6,775.17	37.35	29.60	67.47	197.32	579.26	1,244.29	1,182.21	62.09	20.041		
7,800.00	7,197.60	6,804.00	6,748.29	38.62	29.40	66.26	198.92	556.19	1,290.78	1,228.25	62.53	20.642		
7,900.00	7,195.78	6,772.31	6,723.40	40.06	29.25	65.17	200.31	536.62	1,341.51	1,278.41	63.09	21.262		
8,000.00	7,193.97	6,746.02	6,702.02	41.66	29.13	64.24	201.35	521.35	1,396.34	1,332.60	63.74	21.908		
8,100.00	7,192.15	6,709.00	6,670.88	43.40	28.96	62.92	202.68	501.40	1,455.14	1,390.97	64.17	22.676		
8,200.00	7,190.33	6,685.20	6,650.40	45.25	28.86	62.06	203.28	489.29	1,517.06	1,452.26	64.80	23.411		
8,300.00	7,188.51	6,625.54	6,598.44	47.20	28.63	59.89	203.11	459.98	1,581.26	1,516.43	64.83	24.390		
8,400.00	7,186.70	6,614.00	6,588.29	49.25	28.58	59.48	202.80	454.49	1,647.83	1,582.25	65.58	25.128		
8,500.00	7,184.88	6,614.00	6,588.29	51.37	28.58	59.48	202.80	454.49	1,717.60	1,651.19	66.41	25.864		
8,600.00	7,183.06	6,574.03	6,552.57	53.56	28.44	58.03	201.86	436.59	1,788.72	1,722.08	66.64	26.842		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,181.24	6,561.67	6,541.33	55.81	28.39	57.59	201.68	431.47	1,862.81	1,795.62	67.19	27.724		
8,800.00	7,179.43	6,519.00	6,501.84	58.11	28.24	56.08	201.49	415.32	1,939.90	1,872.58	67.33	28.814		
8,900.00	7,177.61	6,519.00	6,501.84	60.46	28.24	56.08	201.49	415.32	2,017.40	1,949.46	67.93	29.696		
9,000.00	7,175.79	6,519.00	6,501.84	62.85	28.24	56.08	201.49	415.32	2,096.80	2,028.32	68.48	30.621		
9,100.00	7,173.98	6,519.00	6,501.84	65.28	28.24	56.08	201.49	415.32	2,177.90	2,108.94	68.96	31.582		
9,200.00	7,172.16	6,519.00	6,501.84	67.74	28.24	56.08	201.49	415.32	2,260.51	2,191.12	69.39	32.577		
9,300.00	7,170.34	6,486.74	6,471.53	70.23	28.12	54.96	201.60	404.29	2,344.01	2,274.50	69.51	33.723		
9,400.00	7,168.52	6,470.63	6,456.32	72.74	28.07	54.41	201.66	398.97	2,428.61	2,358.87	69.74	34.822		
9,500.00	7,166.71	6,455.25	6,441.76	75.28	28.01	53.89	201.72	394.02	2,514.13	2,444.17	69.96	35.934		
9,600.00	7,164.89	6,424.00	6,412.05	77.84	27.90	52.84	201.86	384.32	2,600.62	2,530.57	70.05	37.127		
9,700.00	7,163.07	6,424.00	6,412.05	80.43	27.90	52.84	201.86	384.32	2,687.63	2,617.28	70.35	38.206		
9,800.00	7,161.26	6,424.00	6,412.05	83.02	27.90	52.84	201.86	384.32	2,775.52	2,704.90	70.62	39.304		
9,900.00	7,159.44	6,424.00	6,412.05	85.64	27.90	52.84	201.86	384.32	2,864.20	2,793.34	70.86	40.419		
10,000.00	7,157.62	6,424.00	6,412.05	88.27	27.90	52.84	201.86	384.32	2,953.61	2,882.52	71.09	41.549		
10,100.00	7,155.80	6,424.00	6,412.05	90.91	27.90	52.84	201.86	384.32	3,043.67	2,972.38	71.29	42.693		
10,200.00	7,153.99	6,424.00	6,412.05	93.56	27.90	52.84	201.86	384.32	3,134.34	3,062.86	71.48	43.849		
10,300.00	7,152.17	6,424.00	6,412.05	96.23	27.90	52.84	201.86	384.32	3,225.56	3,153.91	71.65	45.016		
10,400.00	7,150.35	6,424.00	6,412.05	98.90	27.90	52.84	201.86	384.32	3,317.29	3,245.47	71.81	46.192		
10,500.00	7,148.54	6,424.00	6,412.05	101.59	27.90	52.84	201.86	384.32	3,409.48	3,337.52	71.96	47.378		
10,600.00	7,146.72	6,424.00	6,412.05	104.28	27.90	52.84	201.86	384.32	3,502.10	3,430.00	72.10	48.572		
10,700.00	7,144.90	6,424.00	6,412.05	106.98	27.90	52.84	201.86	384.32	3,595.12	3,522.89	72.23	49.774		
10,800.00	7,143.08	6,424.00	6,412.05	109.69	27.90	52.84	201.86	384.32	3,688.50	3,616.15	72.35	50.982		
10,900.00	7,141.27	6,381.08	6,370.59	112.41	27.74	51.43	201.92	373.30	3,780.07	3,707.78	72.29	52.290		
11,000.00	7,139.45	6,378.55	6,368.12	115.13	27.73	51.35	201.91	372.78	3,873.85	3,801.45	72.39	53.511		
11,100.00	7,137.63	6,376.14	6,365.75	117.86	27.72	51.27	201.91	372.29	3,967.91	3,895.42	72.49	54.736		
11,200.00	7,135.82	6,373.84	6,363.49	120.59	27.72	51.20	201.90	371.83	4,062.25	3,989.66	72.58	55.965		
11,300.00	7,134.00	6,371.64	6,361.33	123.33	27.71	51.12	201.89	371.41	4,156.83	4,084.16	72.67	57.199		
11,400.00	7,132.18	6,329.00	6,319.16	126.07	27.55	49.74	201.60	365.28	4,253.57	4,180.97	72.60	58.593		
11,500.00	7,130.36	6,329.00	6,319.16	128.82	27.55	49.74	201.60	365.28	4,348.43	4,275.74	72.69	59.822		
11,600.00	7,128.55	6,329.00	6,319.16	131.57	27.55	49.74	201.60	365.28	4,443.52	4,370.74	72.78	61.054		
11,700.00	7,126.73	6,329.00	6,319.16	134.33	27.55	49.74	201.60	365.28	4,538.82	4,465.95	72.87	62.290		
11,800.00	7,124.91	6,329.00	6,319.16	137.09	27.55	49.74	201.60	365.28	4,634.31	4,561.36	72.95	63.528		
11,900.00	7,123.10	6,329.00	6,319.16	139.85	27.55	49.74	201.60	365.28	4,730.00	4,656.97	73.03	64.768		
12,000.00	7,121.28	6,329.00	6,319.16	142.62	27.55	49.74	201.60	365.28	4,825.85	4,752.75	73.11	66.010		
12,100.00	7,119.46	6,329.00	6,319.16	145.39	27.55	49.74	201.60	365.28	4,921.88	4,848.69	73.18	67.254		
12,200.00	7,117.64	6,329.00	6,319.16	148.16	27.55	49.74	201.60	365.28	5,018.06	4,944.80	73.26	68.500		
12,300.00	7,115.83	6,329.00	6,319.16	150.94	27.55	49.74	201.60	365.28	5,114.38	5,041.05	73.33	69.747		
12,400.00	7,114.01	6,329.00	6,319.16	153.72	27.55	49.74	201.60	365.28	5,210.84	5,137.45	73.40	70.996		
12,500.00	7,112.19	6,329.00	6,319.16	156.50	27.55	49.74	201.60	365.28	5,307.44	5,233.97	73.46	72.245		
12,600.00	7,110.37	6,329.00	6,319.16	159.28	27.55	49.74	201.60	365.28	5,404.16	5,330.62	73.53	73.495		
12,700.00	7,108.56	6,329.00	6,319.16	162.07	27.55	49.74	201.60	365.28	5,500.99	5,427.39	73.60	74.745		
12,800.00	7,106.74	6,329.00	6,319.16	164.86	27.55	49.74	201.60	365.28	5,597.94	5,524.28	73.66	75.996		
12,900.00	7,104.92	6,329.00	6,319.16	167.65	27.55	49.74	201.60	365.28	5,694.99	5,621.27	73.72	77.247		
13,000.00	7,103.11	6,329.00	6,319.16	170.44	27.55	49.74	201.60	365.28	5,792.14	5,718.36	73.79	78.498		
13,100.00	7,101.29	6,329.00	6,319.16	173.23	27.55	49.74	201.60	365.28	5,889.39	5,815.54	73.85	79.748		
13,200.00	7,099.47	6,329.00	6,319.16	176.03	27.55	49.74	201.60	365.28	5,986.73	5,912.82	73.91	80.999		
13,300.00	7,097.65	6,329.00	6,319.16	178.82	27.55	49.74	201.60	365.28	6,084.15	6,010.18	73.97	82.249		
13,400.00	7,095.84	6,329.00	6,319.16	181.62	27.55	49.74	201.60	365.28	6,181.66	6,107.63	74.03	83.499		
13,500.00	7,094.02	6,329.00	6,319.16	184.42	27.55	49.74	201.60	365.28	6,279.25	6,205.15	74.09	84.749		
13,600.00	7,092.20	6,329.00	6,319.16	187.22	27.55	49.74	201.60	365.28	6,376.91	6,302.76	74.15	85.997		
13,700.00	7,090.39	6,329.00	6,319.16	190.03	27.55	49.74	201.60	365.28	6,474.64	6,400.43	74.21	87.245		
13,800.00	7,088.57	6,329.00	6,319.16	192.83	27.55	49.74	201.60	365.28	6,572.44	6,498.17	74.27	88.492		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.75	6,329.00	6,319.16	195.64	27.55	49.74	201.60	365.28	6,670.31	6,595.97	74.33	89.738		
14,000.00	7,084.93	6,329.00	6,319.16	198.44	27.55	49.74	201.60	365.28	6,768.23	6,693.84	74.39	90.982		
14,100.00	7,083.12	6,329.00	6,319.16	201.25	27.55	49.74	201.60	365.28	6,866.22	6,791.77	74.45	92.226		
14,200.00	7,081.30	6,329.00	6,319.16	204.06	27.55	49.74	201.60	365.28	6,964.26	6,889.76	74.51	93.468		
14,300.00	7,079.48	6,329.00	6,319.16	206.87	27.55	49.74	201.60	365.28	7,062.36	6,987.80	74.57	94.709		
14,400.00	7,077.67	6,329.00	6,319.16	209.68	27.55	49.74	201.60	365.28	7,160.52	7,085.89	74.63	95.948		
14,500.00	7,075.85	6,329.00	6,319.16	212.49	27.55	49.74	201.60	365.28	7,258.72	7,184.03	74.69	97.186		
14,600.00	7,074.03	6,329.00	6,319.16	215.31	27.55	49.74	201.60	365.28	7,356.97	7,282.22	74.75	98.423		
14,700.00	7,072.21	6,329.00	6,319.16	218.12	27.55	49.74	201.60	365.28	7,455.27	7,380.46	74.81	99.658		
14,800.00	7,070.40	6,329.00	6,319.16	220.93	27.55	49.74	201.60	365.28	7,553.61	7,478.74	74.87	100.891		
14,900.00	7,068.58	6,329.00	6,319.16	223.75	27.55	49.74	201.60	365.28	7,651.99	7,577.06	74.93	102.122		
15,000.00	7,066.76	6,329.00	6,319.16	226.57	27.55	49.74	201.60	365.28	7,750.42	7,675.43	74.99	103.352		
15,100.00	7,064.95	6,329.00	6,319.16	229.38	27.55	49.74	201.60	365.28	7,848.89	7,773.84	75.05	104.579		
15,200.00	7,063.13	6,329.00	6,319.16	232.20	27.55	49.74	201.60	365.28	7,947.39	7,872.28	75.11	105.805		
15,300.00	7,061.31	6,329.00	6,319.16	235.02	27.55	49.74	201.60	365.28	8,045.93	7,970.76	75.18	107.029		
15,400.00	7,059.49	6,329.00	6,319.16	237.84	27.55	49.74	201.60	365.28	8,144.51	8,069.27	75.24	108.250		
15,500.00	7,057.68	6,329.00	6,319.16	240.66	27.55	49.74	201.60	365.28	8,243.12	8,167.82	75.30	109.470		
15,600.00	7,055.86	6,329.00	6,319.16	243.48	27.55	49.74	201.60	365.28	8,341.77	8,266.40	75.36	110.687		
15,647.29	7,055.00	6,329.00	6,319.16	244.81	27.55	49.74	201.60	365.28	8,388.43	8,313.03	75.39	111.262		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-71.78	301.66	-916.68	4,886.25					
100.00	100.00	0.00	0.00	3.28	0.00	-71.78	301.66	-916.68	4,788.26	4,781.35	6.91	693.419		
200.00	200.00	0.00	0.00	3.34	0.00	-71.78	301.66	-916.68	4,690.35	4,683.57	6.78	691.708		
300.00	300.00	0.00	0.00	3.44	0.00	-71.78	301.66	-916.68	4,592.54	4,585.88	6.66	689.657		
400.00	399.98	0.00	0.00	3.60	0.00	155.95	301.66	-916.68	4,495.17	4,488.63	6.54	687.707		
500.00	499.84	0.00	0.00	3.79	0.00	158.77	301.66	-916.68	4,398.72	4,392.31	6.41	685.927		
600.00	599.45	0.00	0.00	4.03	0.00	160.95	301.66	-916.68	4,303.37	4,297.08	6.29	683.805		
700.00	698.70	0.00	0.00	4.30	0.00	162.68	301.66	-916.68	4,209.32	4,203.14	6.18	681.135		
790.00	787.61	0.00	0.00	4.57	0.00	163.95	301.66	-916.68	4,125.96	4,119.87	6.08	678.108		
800.00	797.47	0.00	0.00	4.60	0.00	163.95	301.66	-916.68	4,116.77	4,110.70	6.07	678.306		
900.00	896.01	0.00	0.00	4.94	0.00	163.95	301.66	-916.68	4,025.11	4,019.12	5.99	671.903		
1,000.00	994.55	0.00	0.00	5.30	0.00	163.95	301.66	-916.68	3,933.85	3,927.92	5.92	663.991		
1,100.00	1,093.09	0.00	0.00	5.68	0.00	163.95	301.66	-916.68	3,843.03	3,837.15	5.87	654.387		
1,200.00	1,191.63	0.00	0.00	6.08	0.00	163.95	301.66	-916.68	3,752.67	3,746.84	5.84	642.923		
1,300.00	1,290.17	0.00	0.00	6.49	0.00	163.95	301.66	-916.68	3,662.82	3,657.00	5.82	629.453		
1,400.00	1,388.71	0.00	0.00	6.91	0.00	163.95	301.66	-916.68	3,573.50	3,567.68	5.82	613.873		
1,500.00	1,487.25	0.00	0.00	7.34	0.00	163.95	301.66	-916.68	3,484.77	3,478.92	5.85	596.139		
1,600.00	1,585.79	0.00	0.00	7.77	0.00	163.95	301.66	-916.68	3,396.66	3,390.77	5.89	576.274		
1,700.00	1,684.34	0.00	0.00	8.22	0.00	163.95	301.66	-916.68	3,309.23	3,303.26	5.97	554.387		
1,800.00	1,782.88	0.00	0.00	8.66	0.00	163.95	301.66	-916.68	3,222.53	3,216.46	6.07	530.669		
1,900.00	1,881.42	0.00	0.00	9.12	0.00	163.95	301.66	-916.68	3,136.62	3,130.41	6.21	505.390		
2,000.00	1,979.96	0.00	0.00	9.57	0.00	163.95	301.66	-916.68	3,051.57	3,045.20	6.37	478.889		
2,100.00	2,078.50	0.00	0.00	10.03	0.00	163.95	301.66	-916.68	2,967.45	2,960.88	6.57	451.549		
2,200.00	2,177.04	0.00	0.00	10.49	0.00	163.95	301.66	-916.68	2,884.35	2,877.54	6.81	423.776		
2,300.00	2,275.58	0.00	0.00	10.95	0.00	163.95	301.66	-916.68	2,802.35	2,795.27	7.08	395.970		
2,400.00	2,374.12	0.00	0.00	11.42	0.00	163.95	301.66	-916.68	2,721.55	2,714.17	7.39	368.510		
2,500.00	2,472.66	0.00	0.00	11.89	0.00	163.95	301.66	-916.68	2,642.07	2,634.34	7.73	341.727		
2,600.00	2,571.20	0.00	0.00	12.36	0.00	163.95	301.66	-916.68	2,564.02	2,555.91	8.12	315.902		
2,700.00	2,669.74	0.00	0.00	12.83	0.00	163.95	301.66	-916.68	2,487.55	2,479.01	8.54	291.257		
2,800.00	2,768.28	0.00	0.00	13.30	0.00	163.95	301.66	-916.68	2,412.80	2,403.80	9.00	267.953		
2,900.00	2,866.83	0.00	0.00	13.78	0.00	163.95	301.66	-916.68	2,339.93	2,330.43	9.51	246.102		
3,000.00	2,965.37	0.00	0.00	14.25	0.00	163.95	301.66	-916.68	2,269.14	2,259.09	10.05	225.766		
3,100.00	3,063.91	0.00	0.00	14.73	0.00	163.95	301.66	-916.68	2,200.61	2,189.98	10.63	206.970		
3,200.00	3,162.45	0.00	0.00	15.20	0.00	163.95	301.66	-916.68	2,134.56	2,123.31	11.25	189.707		
3,300.00	3,260.99	0.00	0.00	15.68	0.00	163.95	301.66	-916.68	2,071.24	2,059.34	11.91	173.946		
3,400.00	3,359.53	0.00	0.00	16.16	0.00	163.95	301.66	-916.68	2,010.91	1,998.31	12.60	159.639		
3,500.00	3,458.07	0.00	0.00	16.64	0.00	163.95	301.66	-916.68	1,953.83	1,940.51	13.32	146.726		
3,600.00	3,556.61	0.00	0.00	17.12	0.00	163.95	301.66	-916.68	1,900.30	1,886.24	14.06	135.142		
3,700.00	3,655.15	0.00	0.00	17.60	0.00	163.95	301.66	-916.68	1,850.63	1,835.80	14.83	124.815		
3,800.00	3,753.69	0.00	0.00	18.08	0.00	163.95	301.66	-916.68	1,805.13	1,789.53	15.61	115.673		
3,900.00	3,852.23	0.00	0.00	18.56	0.00	163.95	301.66	-916.68	1,764.14	1,747.75	16.39	107.645		
4,000.00	3,950.77	0.00	0.00	19.04	0.00	163.95	301.66	-916.68	1,727.97	1,710.81	17.17	100.662		
4,100.00	4,049.31	0.00	0.00	19.52	0.00	163.95	301.66	-916.68	1,696.93	1,679.01	17.93	94.655		
4,200.00	4,147.86	0.00	0.00	20.00	0.00	163.95	301.66	-916.68	1,671.31	1,652.65	18.66	89.562		
4,300.00	4,246.40	0.00	0.00	20.49	0.00	163.95	301.66	-916.68	1,651.35	1,632.00	19.35	85.323		
4,400.00	4,344.94	0.00	0.00	20.97	0.00	163.95	301.66	-916.68	1,637.27	1,617.27	20.00	81.881		
4,500.00	4,443.48	0.00	0.00	21.45	0.00	163.95	301.66	-916.68	1,629.22	1,608.64	20.57	79.185		
4,581.55	4,523.83	0.00	0.00	21.85	0.00	163.95	301.66	-916.68	1,627.17	1,606.18	20.99	77.505		
4,600.00	4,542.02	0.00	0.00	21.94	0.00	163.95	301.66	-916.68	1,627.28	1,606.20	21.08	77.186		
4,700.00	4,640.56	0.00	0.00	22.42	0.00	163.95	301.66	-916.68	1,631.48	1,609.97	21.51	75.838		
4,800.00	4,739.10	0.00	0.00	22.91	0.00	163.95	301.66	-916.68	1,641.77	1,619.91	21.86	75.099		
4,900.00	4,837.64	46.37	46.37	23.39	0.12	164.02	301.50	-916.78	1,657.37	1,635.03	22.34	74.176		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	4,936.18	136.44	136.44	23.87	0.51	164.14	300.97	-917.44	1,674.08	1,650.91	23.18	72.234				
5,100.00	5,034.72	230.49	230.47	24.36	0.93	164.25	300.21	-918.67	1,691.19	1,667.15	24.03	70.366				
5,200.00	5,133.26	324.33	324.30	24.84	1.34	164.34	299.35	-920.24	1,708.55	1,683.66	24.89	68.640				
5,300.00	5,231.80	439.00	438.93	25.33	1.85	164.44	297.64	-922.14	1,725.63	1,699.74	25.89	66.664				
5,400.00	5,330.34	548.46	548.33	25.82	2.33	164.48	294.35	-924.07	1,742.03	1,715.19	26.85	64.883				
5,500.00	5,428.89	667.52	667.26	26.30	2.86	164.48	288.97	-925.71	1,757.33	1,729.46	27.88	63.042				
5,600.00	5,527.43	778.04	777.53	26.79	3.36	164.41	281.91	-927.38	1,771.81	1,742.96	28.85	61.405				
5,700.00	5,625.97	878.89	878.04	27.27	3.83	164.31	273.86	-929.37	1,785.88	1,756.10	29.78	59.966				
5,800.00	5,724.51	965.25	964.04	27.76	4.23	164.19	266.32	-931.73	1,800.24	1,769.61	30.62	58.787				
5,900.00	5,823.05	1,049.34	1,047.71	28.24	4.63	164.04	258.59	-935.07	1,815.42	1,783.97	31.45	57.718				
6,000.00	5,921.59	1,139.40	1,137.26	28.73	5.06	163.87	250.15	-939.47	1,831.32	1,798.99	32.33	56.648				
6,100.00	6,020.13	1,225.41	1,222.79	29.22	5.48	163.72	242.27	-943.96	1,847.63	1,814.45	33.17	55.695				
6,200.00	6,118.67	1,306.65	1,303.62	29.70	5.87	163.58	235.56	-948.68	1,864.88	1,830.89	33.98	54.875				
6,300.00	6,217.21	1,420.19	1,416.61	30.19	6.41	163.41	226.52	-955.11	1,882.18	1,847.15	35.03	53.735				
6,400.00	6,315.75	1,563.26	1,558.73	30.68	7.12	163.12	211.97	-962.82	1,898.31	1,862.02	36.29	52.309				
6,500.00	6,414.29	1,762.81	1,756.01	31.16	8.14	162.57	182.74	-968.18	1,909.39	1,871.46	37.93	50.345				
6,582.51	6,495.60	1,865.09	1,857.10	31.57	8.66	162.31	167.15	-968.08	1,916.71	1,877.86	38.85	49.338				
6,600.00	6,512.86	1,878.59	1,870.45	31.65	8.73	154.71	165.18	-967.96	1,917.98	1,878.99	38.99	49.186				
6,650.00	6,562.39	1,916.27	1,907.72	31.88	8.92	124.19	159.60	-967.83	1,919.55	1,880.15	39.40	48.719				
6,700.00	6,611.96	1,953.98	1,945.00	32.08	9.12	91.40	153.91	-968.03	1,918.02	1,878.23	39.79	48.204				
6,750.00	6,661.26	1,995.68	1,986.20	32.27	9.34	70.92	147.52	-968.58	1,913.38	1,873.19	40.19	47.609				
6,800.00	6,709.99	2,037.80	2,027.80	32.44	9.56	60.05	140.95	-969.37	1,905.55	1,864.98	40.57	46.965				
6,850.00	6,757.84	2,088.82	2,078.17	32.61	9.83	54.14	132.96	-970.48	1,894.53	1,853.53	41.00	46.209				
6,900.00	6,804.53	2,145.02	2,133.73	32.77	10.12	50.92	124.46	-971.28	1,880.08	1,838.63	41.44	45.367				
6,950.00	6,849.77	2,175.51	2,163.89	32.92	10.28	49.18	120.00	-971.67	1,862.58	1,820.87	41.70	44.663				
7,000.00	6,893.27	2,203.31	2,191.39	33.07	10.43	48.46	116.00	-972.28	1,842.50	1,800.57	41.93	43.940				
7,050.00	6,934.77	2,230.17	2,217.96	33.23	10.57	48.53	112.20	-973.10	1,819.96	1,777.82	42.14	43.185				
7,100.00	6,974.01	2,263.19	2,250.63	33.39	10.74	49.34	107.57	-974.38	1,795.06	1,752.66	42.39	42.344				
7,150.00	7,010.75	2,301.30	2,288.30	33.55	10.95	50.87	102.04	-976.03	1,767.71	1,725.03	42.68	41.420				
7,200.00	7,044.77	2,337.07	2,323.62	33.72	11.14	53.01	96.64	-977.71	1,738.08	1,695.13	42.95	40.468				
7,250.00	7,075.85	2,376.69	2,362.73	33.92	11.35	55.93	90.57	-979.53	1,706.35	1,663.09	43.26	39.445				
7,300.00	7,103.80	2,412.36	2,397.96	34.13	11.54	59.51	85.19	-980.98	1,672.73	1,629.18	43.56	38.405				
7,350.00	7,128.45	2,443.70	2,428.93	34.38	11.71	63.73	80.51	-982.09	1,637.55	1,593.70	43.84	37.351				
7,400.00	7,149.65	2,459.34	2,444.39	34.67	11.80	68.07	78.18	-982.71	1,601.23	1,557.18	44.05	36.350				
7,450.00	7,167.26	2,475.79	2,460.64	35.00	11.88	73.00	75.72	-983.38	1,564.06	1,519.76	44.30	35.307				
7,500.00	7,181.19	2,489.39	2,474.07	35.38	11.96	78.29	73.69	-983.97	1,526.33	1,481.76	44.57	34.245				
7,550.00	7,191.34	2,499.99	2,484.54	35.81	12.01	83.79	72.10	-984.45	1,488.34	1,443.47	44.87	33.170				
7,600.00	7,197.65	2,507.48	2,491.93	36.28	12.05	89.29	70.98	-984.80	1,450.41	1,405.20	45.20	32.087				
7,650.00	7,200.08	2,511.74	2,496.14	36.80	12.08	94.63	70.34	-985.00	1,412.82	1,367.25	45.57	31.003				
7,667.87	7,200.00	2,512.46	2,496.86	36.99	12.08	96.46	70.23	-985.04	1,399.53	1,353.82	45.71	30.617				
7,700.00	7,199.42	2,513.38	2,497.77	37.35	12.09	96.52	70.10	-985.08	1,375.89	1,329.91	45.98	29.922				
7,800.00	7,197.60	2,516.30	2,500.65	38.62	12.10	96.69	69.66	-985.22	1,304.64	1,257.64	47.00	27.759				
7,900.00	7,195.78	2,519.31	2,503.62	40.06	12.12	96.88	69.21	-985.37	1,237.36	1,189.06	48.30	25.618				
8,000.00	7,193.97	2,522.40	2,506.67	41.66	12.13	97.06	68.74	-985.52	1,174.74	1,124.82	49.91	23.536				
8,100.00	7,192.15	2,525.59	2,509.82	43.40	12.15	97.26	68.27	-985.68	1,117.56	1,065.71	51.85	21.554				
8,200.00	7,190.33	2,529.09	2,513.27	45.25	12.17	97.47	67.74	-985.86	1,066.70	1,012.60	54.10	19.718				
8,300.00	7,188.51	2,532.56	2,516.70	47.20	12.19	97.68	67.22	-986.03	1,023.10	966.49	56.61	18.074				
8,400.00	7,186.70	2,535.98	2,520.08	49.25	12.21	97.89	66.71	-986.20	987.72	928.42	59.30	16.657				
8,500.00	7,184.88	2,539.34	2,523.40	51.37	12.23	98.10	66.21	-986.37	961.47	899.43	62.05	15.496				
8,600.00	7,183.06	2,542.64	2,526.66	53.56	12.24	98.30	65.72	-986.53	945.11	880.40	64.71	14.605				
8,700.00	7,181.24	2,545.90	2,529.88	55.81	12.26	98.50	65.23	-986.69	939.17	872.02	67.15	13.986				
8,706.10	7,181.13	2,546.09	2,530.07	55.95	12.26	98.51	65.20	-986.70	939.15	871.86	67.29	13.957	CC, ES			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,179.43	2,549.10	2,533.04	58.11	12.28	98.69	64.76	-986.85	943.82	874.59	69.23	13.633		
8,900.00	7,177.61	2,552.25	2,536.15	60.46	12.30	98.88	64.29	-987.00	958.93	888.06	70.88	13.530 SF		
9,000.00	7,175.79	2,555.36	2,539.22	62.85	12.31	99.07	63.83	-987.15	984.01	911.95	72.06	13.656		
9,100.00	7,173.98	2,558.41	2,542.24	65.28	12.33	99.26	63.37	-987.30	1,018.33	945.53	72.80	13.988		
9,200.00	7,172.16	2,561.42	2,545.21	67.74	12.34	99.44	62.93	-987.44	1,060.98	987.83	73.15	14.504		
9,300.00	7,170.34	2,564.38	2,548.13	70.23	12.36	99.62	62.49	-987.58	1,111.01	1,037.82	73.19	15.180		
9,400.00	7,168.52	2,567.30	2,551.02	72.74	12.38	99.80	62.06	-987.72	1,167.47	1,094.49	72.99	15.996		
9,500.00	7,166.71	2,570.18	2,553.86	75.28	12.39	99.98	61.63	-987.85	1,229.48	1,156.87	72.61	16.933		
9,600.00	7,164.89	2,573.01	2,556.65	77.84	12.41	100.15	61.22	-987.99	1,296.24	1,224.12	72.12	17.974		
9,700.00	7,163.07	2,575.80	2,559.41	80.43	12.42	100.32	60.80	-988.12	1,367.05	1,295.50	71.56	19.105		
9,800.00	7,161.26	2,578.54	2,562.13	83.02	12.44	100.49	60.40	-988.24	1,441.32	1,370.37	70.95	20.314		
9,900.00	7,159.44	2,581.25	2,564.80	85.64	12.45	100.65	60.00	-988.37	1,518.54	1,448.20	70.34	21.589		
10,000.00	7,157.62	2,583.92	2,567.44	88.27	12.47	100.81	59.61	-988.49	1,598.28	1,528.56	69.73	22.923		
10,100.00	7,155.80	2,586.55	2,570.04	90.91	12.48	100.97	59.22	-988.61	1,680.19	1,611.06	69.13	24.306		
10,200.00	7,153.99	2,589.15	2,572.60	93.56	12.49	101.13	58.84	-988.73	1,763.96	1,695.41	68.55	25.733		
10,300.00	7,152.17	2,591.70	2,575.13	96.23	12.51	101.29	58.47	-988.84	1,849.34	1,781.34	68.00	27.197		
10,400.00	7,150.35	2,594.23	2,577.62	98.90	12.52	101.44	58.10	-988.96	1,936.11	1,868.64	67.47	28.694		
10,500.00	7,148.54	2,596.71	2,580.08	101.59	12.53	101.59	57.73	-989.07	2,024.10	1,957.12	66.98	30.220		
10,600.00	7,146.72	2,599.16	2,582.50	104.28	12.55	101.74	57.38	-989.18	2,113.16	2,046.65	66.51	31.770		
10,700.00	7,144.90	2,601.58	2,584.89	106.98	12.56	101.89	57.02	-989.28	2,203.15	2,137.08	66.08	33.343		
10,800.00	7,143.08	2,603.96	2,587.24	109.69	12.57	102.03	56.67	-989.39	2,293.97	2,228.31	65.67	34.934		
10,900.00	7,141.27	2,606.32	2,589.57	112.41	12.59	102.18	56.33	-989.49	2,385.52	2,320.24	65.28	36.542		
11,000.00	7,139.45	2,608.64	2,591.86	115.13	12.60	102.32	55.99	-989.59	2,477.72	2,412.80	64.92	38.165		
11,100.00	7,137.63	2,610.93	2,594.13	117.86	12.61	102.46	55.66	-989.69	2,570.50	2,505.92	64.59	39.800		
11,200.00	7,135.82	2,613.19	2,596.36	120.59	12.62	102.59	55.33	-989.79	2,663.81	2,599.54	64.27	41.447		
11,300.00	7,134.00	2,615.41	2,598.56	123.33	12.64	102.73	55.01	-989.89	2,757.58	2,693.60	63.98	43.103		
11,400.00	7,132.18	2,620.00	2,603.09	126.07	12.66	103.01	54.34	-990.08	2,851.77	2,788.07	63.70	44.769		
11,500.00	7,130.36	2,620.00	2,603.09	128.82	12.66	103.01	54.34	-990.08	2,946.34	2,882.89	63.44	46.441		
11,600.00	7,128.55	2,667.58	2,650.09	131.57	12.92	105.87	47.32	-992.45	3,041.23	2,978.03	63.20	48.119		
11,700.00	7,126.73	2,716.00	2,697.85	134.33	13.18	108.76	39.95	-995.54	3,136.36	3,073.38	62.98	49.799		
11,800.00	7,124.91	2,716.00	2,697.85	137.09	13.18	108.76	39.95	-995.54	3,231.76	3,168.98	62.78	51.480		
11,900.00	7,123.10	2,725.61	2,707.32	139.85	13.23	109.32	38.46	-996.21	3,327.41	3,264.82	62.59	53.164		
12,000.00	7,121.28	2,729.25	2,710.90	142.62	13.25	109.54	37.90	-996.46	3,423.31	3,360.90	62.41	54.851		
12,100.00	7,119.46	12,100.00	2,671.08	145.39	64.41	107.15	44.01	-994.00	3,519.39	3,408.84	110.55	31.837		
12,200.00	7,117.64	2,736.31	2,717.87	148.16	13.29	109.95	36.81	-996.94	3,615.76	3,553.67	62.09	58.233		
12,300.00	7,115.83	2,739.75	2,721.25	150.94	13.31	110.15	36.28	-997.18	3,712.28	3,650.33	61.95	59.926		
12,400.00	7,114.01	2,743.11	2,724.57	153.72	13.33	110.35	35.76	-997.40	3,808.97	3,747.16	61.81	61.620		
12,500.00	7,112.19	2,746.42	2,727.83	156.50	13.35	110.54	35.25	-997.62	3,905.83	3,844.14	61.69	63.315		
12,600.00	7,110.37	2,749.66	2,731.03	159.28	13.37	110.73	34.75	-997.84	4,002.83	3,941.26	61.57	65.009		
12,700.00	7,108.56	2,752.85	2,734.17	162.07	13.38	110.92	34.26	-998.05	4,099.98	4,038.51	61.47	66.704		
12,800.00	7,106.74	2,755.97	2,737.25	164.86	13.40	111.10	33.77	-998.25	4,197.25	4,135.89	61.36	68.398		
12,900.00	7,104.92	2,759.04	2,740.28	167.65	13.42	111.28	33.30	-998.45	4,294.65	4,233.38	61.27	70.092		
13,000.00	7,103.11	2,762.06	2,743.25	170.44	13.44	111.45	32.84	-998.64	4,392.16	4,330.97	61.19	71.784		
13,100.00	7,101.29	2,765.02	2,746.17	173.23	13.45	111.62	32.38	-998.83	4,489.78	4,428.67	61.11	73.475		
13,200.00	7,099.47	2,767.93	2,749.04	176.03	13.47	111.79	31.93	-999.02	4,587.49	4,526.46	61.03	75.165		
13,300.00	7,097.65	2,770.79	2,751.86	178.82	13.48	111.96	31.49	-999.20	4,685.30	4,624.34	60.96	76.853		
13,400.00	7,095.84	2,773.60	2,754.63	181.62	13.50	112.12	31.06	-999.37	4,783.20	4,722.30	60.90	78.539		
13,500.00	7,094.02	2,776.36	2,757.35	184.42	13.51	112.28	30.64	-999.55	4,881.18	4,820.33	60.85	80.223		
13,600.00	7,092.20	2,779.08	2,760.03	187.22	13.53	112.43	30.22	-999.71	4,979.24	4,918.44	60.79	81.904		
13,700.00	7,090.39	2,781.74	2,762.66	190.03	13.54	112.59	29.81	-999.88	5,077.37	5,016.62	60.75	83.583		
13,800.00	7,088.57	2,784.37	2,765.25	192.83	13.56	112.74	29.41	-1,000.04	5,175.57	5,114.86	60.70	85.259		
13,900.00	7,086.75	2,786.95	2,767.80	195.64	13.57	112.89	29.01	-1,000.19	5,273.83	5,213.17	60.67	86.933		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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-MWVD												Offset Well Error:	0.00 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	7,084.93	2,789.49	2,770.30	198.44	13.59	113.03	28.62	-1,000.35	5,372.16	5,311.53	60.63	88.603	
14,100.00	7,083.12	2,791.99	2,772.76	201.25	13.60	113.17	28.24	-1,000.50	5,470.55	5,409.94	60.60	90.270	
14,200.00	7,081.30	2,794.45	2,775.19	204.06	13.61	113.31	27.86	-1,000.64	5,568.99	5,508.41	60.58	91.935	
14,300.00	7,079.48	2,811.00	2,791.52	206.87	13.70	114.25	25.32	-1,001.61	5,667.51	5,606.94	60.57	93.565	
14,400.00	7,077.67	2,811.00	2,791.52	209.68	13.70	114.25	25.32	-1,001.61	5,766.05	5,705.50	60.55	95.226	
14,500.00	7,075.85	2,811.00	2,791.52	212.49	13.70	114.25	25.32	-1,001.61	5,864.63	5,804.10	60.53	96.884	
14,600.00	7,074.03	2,811.00	2,791.52	215.31	13.70	114.25	25.32	-1,001.61	5,963.26	5,902.74	60.52	98.539	
14,700.00	7,072.21	2,811.00	2,791.52	218.12	13.70	114.25	25.32	-1,001.61	6,061.94	6,001.43	60.50	100.191	
14,800.00	7,070.40	2,811.00	2,791.52	220.93	13.70	114.25	25.32	-1,001.61	6,160.65	6,100.16	60.49	101.839	
14,900.00	7,068.58	2,811.00	2,791.52	223.75	13.70	114.25	25.32	-1,001.61	6,259.41	6,198.93	60.49	103.483	
15,000.00	7,066.76	2,811.00	2,791.52	226.57	13.70	114.25	25.32	-1,001.61	6,358.21	6,297.73	60.48	105.124	
15,100.00	7,064.95	2,811.00	2,791.52	229.38	13.70	114.25	25.32	-1,001.61	6,457.05	6,396.56	60.48	106.761	
15,200.00	7,063.13	2,811.00	2,791.52	232.20	13.70	114.25	25.32	-1,001.61	6,555.92	6,495.43	60.48	108.394	
15,300.00	7,061.31	2,811.00	2,791.52	235.02	13.70	114.25	25.32	-1,001.61	6,654.82	6,594.33	60.49	110.023	
15,400.00	7,059.49	2,811.00	2,791.52	237.84	13.70	114.25	25.32	-1,001.61	6,753.76	6,693.26	60.49	111.648	
15,500.00	7,057.68	2,811.00	2,791.52	240.66	13.70	114.25	25.32	-1,001.61	6,852.72	6,792.22	60.50	113.268	
15,600.00	7,055.86	2,811.00	2,791.52	243.48	13.70	114.25	25.32	-1,001.61	6,951.72	6,891.21	60.51	114.885	
15,647.29	7,055.00	2,811.00	2,791.52	244.81	13.70	114.25	25.32	-1,001.61	6,998.55	6,938.03	60.52	115.648	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-70.28	331.90	-926.14	984.51					
100.00	100.00	58.91	58.91	3.28	3.29	-70.28	331.93	-926.22	983.91	977.34	6.57	149.702		
200.00	200.00	150.20	150.19	3.34	3.34	-70.28	332.22	-926.95	984.77	978.10	6.68	147.473		
300.00	300.00	260.43	260.43	3.44	3.46	-70.30	332.26	-927.96	985.66	978.75	6.91	142.734		
400.00	399.98	348.67	348.64	3.60	3.60	153.62	330.89	-929.35	988.16	980.96	7.20	137.245		
500.00	499.84	436.77	436.64	3.79	3.78	153.45	327.91	-932.32	994.89	987.31	7.57	131.349		
600.00	599.45	516.28	515.88	4.03	3.97	153.20	323.52	-936.92	1,006.30	998.29	8.01	125.630		
700.00	698.70	592.23	591.28	4.30	4.19	152.83	317.39	-943.67	1,022.87	1,014.37	8.50	120.267		
790.00	787.61	668.17	666.28	4.57	4.43	152.37	309.50	-952.52	1,042.05	1,033.03	9.02	115.545		
800.00	797.47	677.06	675.05	4.60	4.46	152.34	308.53	-953.61	1,044.37	1,035.28	9.08	114.971		
900.00	896.01	785.43	781.85	4.94	4.87	151.91	295.81	-966.88	1,067.26	1,057.48	9.78	109.151		
1,000.00	994.55	889.34	884.11	5.30	5.30	151.44	281.93	-979.03	1,089.18	1,078.66	10.53	103.476		
1,100.00	1,093.09	1,082.30	1,073.26	5.68	6.18	150.29	247.79	-995.22	1,107.05	1,095.30	11.75	94.205		
1,200.00	1,191.63	1,208.26	1,195.66	6.08	6.82	149.31	218.44	-999.78	1,118.69	1,105.92	12.77	87.581		
1,300.00	1,290.17	1,346.47	1,329.29	6.49	7.56	148.15	183.31	-1,002.26	1,128.48	1,114.56	13.92	81.072		
1,400.00	1,388.71	1,439.07	1,418.48	6.91	8.09	147.34	158.42	-1,002.58	1,136.65	1,121.79	14.86	76.482		
1,500.00	1,487.25	1,531.13	1,507.23	7.34	8.63	146.55	133.95	-1,003.21	1,145.48	1,129.66	15.83	72.383		
1,600.00	1,585.79	1,616.94	1,590.11	7.77	9.15	145.85	111.76	-1,004.55	1,155.53	1,138.76	16.77	68.922		
1,700.00	1,684.34	1,718.05	1,688.13	8.22	9.75	145.11	87.01	-1,006.12	1,166.09	1,148.28	17.80	65.497		
1,800.00	1,782.88	1,818.34	1,785.49	8.66	10.36	144.41	62.96	-1,007.36	1,176.62	1,157.78	18.84	62.442		
1,900.00	1,881.42	1,897.77	1,862.67	9.12	10.84	143.89	44.24	-1,008.45	1,187.63	1,167.87	19.75	60.118		
2,000.00	1,979.96	1,957.64	1,921.17	9.57	11.19	143.56	31.78	-1,010.79	1,201.59	1,181.06	20.53	58.543		
2,100.00	2,078.50	2,038.83	2,001.06	10.03	11.64	143.27	18.10	-1,015.28	1,217.88	1,196.49	21.39	56.931		
2,200.00	2,177.04	2,182.68	2,143.61	10.49	12.35	143.06	-0.63	-1,019.02	1,231.47	1,208.89	22.59	54.524		
2,300.00	2,275.58	2,269.84	2,230.43	10.95	12.74	143.12	-8.11	-1,020.71	1,245.61	1,222.20	23.41	53.197		
2,400.00	2,374.12	2,371.22	2,331.62	11.42	13.17	143.31	-14.01	-1,022.26	1,259.84	1,235.56	24.29	51.877		
2,500.00	2,472.66	2,474.09	2,434.44	11.89	13.56	143.65	-17.07	-1,023.09	1,273.88	1,248.75	25.13	50.687		
2,600.00	2,571.20	2,572.65	2,533.00	12.36	13.92	144.05	-18.10	-1,023.35	1,287.76	1,261.82	25.94	49.642		
2,700.00	2,669.74	2,671.76	2,632.10	12.83	14.25	144.50	-17.67	-1,023.32	1,301.70	1,274.98	26.72	48.715		
2,800.00	2,768.28	2,765.05	2,725.38	13.30	14.53	144.98	-16.04	-1,023.21	1,315.89	1,288.44	27.45	47.935		
2,900.00	2,866.83	2,856.14	2,816.43	13.78	14.82	145.47	-13.63	-1,023.45	1,330.72	1,302.54	28.17	47.231		
3,000.00	2,965.37	2,952.56	2,912.82	14.25	15.12	145.98	-10.99	-1,023.85	1,345.83	1,316.91	28.93	46.527		
3,100.00	3,063.91	3,042.09	3,002.31	14.73	15.41	146.43	-8.73	-1,024.74	1,361.55	1,331.90	29.65	45.913		
3,200.00	3,162.45	3,140.20	3,100.38	15.20	15.74	146.90	-6.45	-1,026.16	1,377.75	1,347.32	30.43	45.275		
3,300.00	3,260.99	3,239.19	3,199.30	15.68	16.06	147.43	-2.60	-1,026.88	1,393.73	1,362.52	31.21	44.662		
3,400.00	3,359.53	3,333.29	3,293.32	16.16	16.38	147.91	0.95	-1,027.93	1,410.16	1,378.20	31.96	44.120		
3,500.00	3,458.07	3,466.53	3,426.49	16.64	16.83	148.56	5.19	-1,028.46	1,425.99	1,393.08	32.91	43.325		
3,600.00	3,556.61	3,554.08	3,514.00	17.12	17.13	148.98	7.83	-1,027.85	1,440.70	1,407.05	33.65	42.814		
3,700.00	3,655.15	3,649.95	3,609.84	17.60	17.46	149.42	10.39	-1,027.61	1,455.85	1,421.42	34.43	42.282		
3,800.00	3,753.69	3,749.03	3,708.88	18.08	17.81	149.85	12.77	-1,027.61	1,471.25	1,436.02	35.24	41.754		
3,900.00	3,852.23	3,862.48	3,822.30	18.56	18.22	150.34	15.55	-1,026.66	1,485.93	1,449.82	36.11	41.146		
4,000.00	3,950.77	3,964.12	3,923.90	19.04	18.58	150.77	17.93	-1,025.32	1,500.22	1,463.29	36.93	40.619		
4,100.00	4,049.31	4,052.58	4,012.32	19.52	18.90	151.15	20.22	-1,024.14	1,514.68	1,476.99	37.69	40.186		
4,200.00	4,147.86	4,138.58	4,098.28	20.00	19.22	151.51	22.75	-1,023.77	1,530.13	1,491.69	38.44	39.809		
4,300.00	4,246.40	4,234.82	4,194.47	20.49	19.57	151.91	25.82	-1,023.77	1,546.15	1,506.91	39.24	39.405		
4,400.00	4,344.94	4,358.87	4,318.45	20.97	20.03	152.44	30.09	-1,022.74	1,561.60	1,521.41	40.19	38.858		
4,500.00	4,443.48	4,451.68	4,411.20	21.45	20.37	152.83	32.95	-1,021.32	1,576.31	1,535.34	40.97	38.471		
4,600.00	4,542.02	4,540.55	4,500.03	21.94	20.70	153.17	35.32	-1,020.51	1,591.55	1,549.81	41.74	38.126		
4,700.00	4,640.56	4,636.59	4,596.04	22.42	21.07	153.52	37.68	-1,020.05	1,607.18	1,564.62	42.56	37.765		
4,800.00	4,739.10	4,727.74	4,687.18	22.91	21.42	153.83	39.49	-1,020.03	1,623.13	1,579.79	43.35	37.445		
4,900.00	4,837.64	4,819.80	4,779.22	23.39	21.78	154.13	41.42	-1,020.58	1,639.74	1,595.60	44.14	37.145		
5,000.00	4,936.18	4,947.91	4,907.30	23.87	22.28	154.55	43.72	-1,020.25	1,655.51	1,610.36	45.15	36.664		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	5,069.61	5,028.97	24.36	22.75	154.94	45.63	-1,017.94	1,669.74	1,623.63	46.11	36.208		
5,200.00	5,133.26	5,160.39	5,119.72	24.84	23.11	155.23	46.69	-1,015.96	1,683.62	1,636.71	46.91	35.889		
5,300.00	5,231.80	5,249.63	5,208.94	25.33	23.46	155.48	47.17	-1,014.67	1,698.00	1,650.30	47.70	35.595		
5,400.00	5,330.34	5,323.56	5,282.88	25.82	23.76	155.67	47.52	-1,014.44	1,713.43	1,665.02	48.41	35.397		
5,500.00	5,428.89	5,500.00	5,457.44	26.30	24.47	156.07	46.16	-1,011.33	1,726.80	1,677.11	49.69	34.748		
5,600.00	5,527.43	5,603.00	5,562.12	26.79	24.89	156.29	43.55	-1,007.02	1,737.65	1,687.07	50.58	34.356		
5,700.00	5,625.97	5,663.70	5,622.79	27.27	25.14	156.43	42.81	-1,005.21	1,750.16	1,698.93	51.23	34.161		
5,800.00	5,724.51	5,735.91	5,694.99	27.76	25.43	156.62	43.46	-1,004.25	1,764.86	1,712.93	51.93	33.985		
5,900.00	5,823.05	5,813.97	5,773.04	28.24	25.74	156.84	44.85	-1,003.65	1,780.55	1,727.90	52.65	33.819		
6,000.00	5,921.59	5,873.00	5,832.03	28.73	25.98	157.02	46.75	-1,003.79	1,797.85	1,744.62	53.23	33.775		
6,100.00	6,020.13	5,937.39	5,896.34	29.22	26.23	157.23	49.62	-1,005.00	1,817.15	1,763.33	53.82	33.761		
6,200.00	6,118.67	6,034.50	5,993.27	29.70	26.62	157.54	54.68	-1,008.36	1,838.09	1,783.43	54.66	33.630		
6,300.00	6,217.21	6,241.24	6,199.91	30.19	27.45	158.09	59.48	-1,009.00	1,854.42	1,798.18	56.24	32.973		
6,400.00	6,315.75	6,312.88	6,271.54	30.68	27.74	158.24	59.83	-1,008.76	1,870.09	1,813.16	56.93	32.849		
6,500.00	6,414.29	6,393.08	6,351.73	31.16	28.07	158.42	60.82	-1,009.08	1,886.80	1,829.13	57.67	32.719		
6,582.51	6,495.60	6,460.99	6,419.62	31.57	28.35	158.59	62.37	-1,009.64	1,901.29	1,843.00	58.28	32.623		
6,600.00	6,512.86	6,475.44	6,434.06	31.65	28.40	150.99	62.78	-1,009.79	1,904.22	1,845.81	58.41	32.601		
6,650.00	6,562.39	6,552.40	6,511.00	31.88	28.72	120.62	64.71	-1,010.35	1,910.12	1,851.11	59.02	32.366		
6,700.00	6,611.96	6,633.86	6,592.46	32.08	29.05	88.05	65.37	-1,009.87	1,911.49	1,851.86	59.63	32.058		
6,750.00	6,661.26	6,687.08	6,645.66	32.27	29.27	67.69	65.24	-1,009.19	1,908.86	1,848.82	60.04	31.794		
6,800.00	6,709.99	6,717.66	6,676.25	32.44	29.40	56.81	65.21	-1,008.99	1,903.10	1,842.81	60.29	31.564		
6,850.00	6,757.84	6,747.77	6,706.36	32.61	29.52	50.80	65.30	-1,009.04	1,894.40	1,833.88	60.52	31.301		
6,900.00	6,804.53	6,787.16	6,745.75	32.77	29.68	47.46	65.59	-1,009.39	1,882.75	1,821.96	60.80	30.968		
6,950.00	6,849.77	6,834.21	6,792.79	32.92	29.88	45.77	66.07	-1,009.73	1,867.91	1,806.80	61.11	30.566		
7,000.00	6,893.27	6,881.18	6,839.76	33.07	30.07	45.17	66.59	-1,009.99	1,849.93	1,788.52	61.41	30.122		
7,050.00	6,934.77	6,927.45	6,886.03	33.23	30.27	45.38	66.72	-1,010.32	1,828.93	1,767.22	61.71	29.638		
7,100.00	6,974.01	6,965.39	6,923.96	33.39	30.43	46.18	66.55	-1,010.68	1,805.11	1,743.17	61.94	29.142		
7,150.00	7,010.75	6,997.97	6,956.55	33.55	30.56	47.50	66.42	-1,011.07	1,778.83	1,716.69	62.14	28.626		
7,200.00	7,044.77	7,028.33	6,986.90	33.72	30.69	49.38	66.32	-1,011.50	1,750.27	1,687.95	62.33	28.082		
7,250.00	7,075.85	7,056.20	7,014.76	33.92	30.81	51.80	66.30	-1,011.94	1,719.67	1,657.16	62.51	27.511		
7,300.00	7,103.80	7,081.32	7,039.89	34.13	30.91	54.76	66.38	-1,012.33	1,687.27	1,624.55	62.69	26.915		
7,350.00	7,128.45	7,103.56	7,062.12	34.38	31.00	58.26	66.52	-1,012.68	1,653.23	1,590.36	62.87	26.295		
7,400.00	7,149.65	7,123.25	7,081.81	34.67	31.09	62.28	66.71	-1,013.00	1,617.90	1,554.83	63.07	25.652		
7,450.00	7,167.26	7,143.49	7,102.04	35.00	31.17	66.96	66.92	-1,013.31	1,581.47	1,518.16	63.31	24.978		
7,500.00	7,181.19	7,159.59	7,118.14	35.38	31.24	72.01	67.07	-1,013.54	1,544.23	1,480.65	63.58	24.290		
7,550.00	7,191.34	7,171.49	7,130.04	35.81	31.29	77.32	67.17	-1,013.71	1,506.46	1,442.60	63.86	23.590		
7,600.00	7,197.65	7,179.14	7,137.69	36.28	31.32	82.71	67.24	-1,013.81	1,468.46	1,404.29	64.17	22.884		
7,650.00	7,200.08	7,182.52	7,141.06	36.80	31.33	88.01	67.27	-1,013.86	1,430.52	1,366.01	64.51	22.175		
7,667.87	7,200.00	7,182.69	7,141.24	36.99	31.33	89.85	67.27	-1,013.86	1,417.03	1,352.39	64.64	21.921		
7,700.00	7,199.42	7,182.51	7,141.06	37.35	31.33	89.84	67.27	-1,013.86	1,392.98	1,328.08	64.89	21.466		
7,800.00	7,197.60	7,181.95	7,140.50	38.62	31.33	89.81	67.26	-1,013.85	1,320.31	1,254.47	65.84	20.053		
7,900.00	7,195.78	7,181.40	7,139.95	40.06	31.33	89.78	67.26	-1,013.84	1,251.43	1,184.35	67.08	18.656		
8,000.00	7,193.97	7,180.85	7,139.40	41.66	31.33	89.74	67.25	-1,013.83	1,186.97	1,118.34	68.64	17.294		
8,100.00	7,192.15	7,180.31	7,138.86	43.40	31.32	89.71	67.25	-1,013.83	1,127.72	1,057.19	70.53	15.989		
8,200.00	7,190.33	7,179.78	7,138.32	45.25	31.32	89.68	67.24	-1,013.82	1,074.52	1,001.75	72.76	14.767		
8,300.00	7,188.51	7,179.25	7,137.79	47.20	31.32	89.64	67.24	-1,013.81	1,028.31	953.02	75.30	13.657		
8,400.00	7,186.70	7,178.72	7,137.27	49.25	31.32	89.61	67.23	-1,013.81	990.08	912.03	78.05	12.684		
8,500.00	7,184.88	7,178.20	7,136.75	51.37	31.32	89.58	67.23	-1,013.80	960.78	879.86	80.92	11.873		
8,600.00	7,183.06	7,177.68	7,136.23	53.56	31.31	89.55	67.23	-1,013.79	941.24	857.49	83.75	11.238		
8,700.00	7,181.24	7,177.17	7,135.72	55.81	31.31	89.52	67.22	-1,013.78	932.08	845.70	86.39	10.789		
8,735.82	7,180.59	7,176.99	7,135.53	56.63	31.31	89.50	67.22	-1,013.78	931.40	844.13	87.26	10.674 CC, ES		
8,800.00	7,179.43	7,176.66	7,135.21	58.11	31.31	89.48	67.22	-1,013.78	933.60	844.92	88.69	10.527		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	7,176.16	7,134.71	60.46	31.31	89.45	67.21	-1,013.77	945.76	855.21	90.54	10.446 SF		
9,000.00	7,175.79	7,175.66	7,134.21	62.85	31.30	89.42	67.21	-1,013.76	968.14	876.23	91.91	10.534		
9,100.00	7,173.98	7,175.17	7,133.71	65.28	31.30	89.39	67.20	-1,013.76	1,000.06	907.26	92.80	10.777		
9,200.00	7,172.16	7,174.68	7,133.22	67.74	31.30	89.36	67.20	-1,013.75	1,040.65	947.40	93.26	11.159		
9,300.00	7,170.34	7,174.19	7,132.74	70.23	31.30	89.33	67.20	-1,013.74	1,088.94	995.58	93.36	11.663		
9,400.00	7,168.52	7,173.71	7,132.26	72.74	31.30	89.30	67.19	-1,013.74	1,143.95	1,050.76	93.20	12.275		
9,500.00	7,166.71	7,173.23	7,131.78	75.28	31.29	89.27	67.19	-1,013.73	1,204.77	1,111.94	92.83	12.978		
9,600.00	7,164.89	7,172.76	7,131.31	77.84	31.29	89.24	67.18	-1,013.72	1,270.55	1,178.22	92.33	13.761		
9,700.00	7,163.07	7,172.29	7,130.84	80.43	31.29	89.22	67.18	-1,013.72	1,340.57	1,248.83	91.74	14.613		
9,800.00	7,161.26	7,171.83	7,130.37	83.02	31.29	89.19	67.18	-1,013.71	1,414.20	1,323.09	91.11	15.522		
9,900.00	7,159.44	7,171.37	7,129.91	85.64	31.29	89.16	67.17	-1,013.71	1,490.90	1,400.45	90.46	16.482		
10,000.00	7,157.62	7,170.91	7,129.46	88.27	31.28	89.13	67.17	-1,013.70	1,570.23	1,480.43	89.80	17.485		
10,100.00	7,155.80	7,170.46	7,129.00	90.91	31.28	89.10	67.16	-1,013.69	1,651.80	1,562.64	89.16	18.525		
10,200.00	7,153.99	7,170.01	7,128.56	93.56	31.28	89.07	67.16	-1,013.69	1,735.31	1,646.76	88.55	19.598		
10,300.00	7,152.17	7,169.56	7,128.11	96.23	31.28	89.05	67.16	-1,013.68	1,820.47	1,732.51	87.96	20.698		
10,400.00	7,150.35	7,169.12	7,127.67	98.90	31.28	89.02	67.15	-1,013.67	1,907.08	1,819.68	87.39	21.822		
10,500.00	7,148.54	7,168.68	7,127.23	101.59	31.28	88.99	67.15	-1,013.67	1,994.94	1,908.07	86.86	22.966		
10,600.00	7,146.72	7,168.25	7,126.80	104.28	31.27	88.97	67.15	-1,013.66	2,083.89	1,997.53	86.36	24.130		
10,700.00	7,144.90	7,167.82	7,126.37	106.98	31.27	88.94	67.14	-1,013.66	2,173.81	2,087.91	85.89	25.309		
10,800.00	7,143.08	7,167.39	7,125.94	109.69	31.27	88.91	67.14	-1,013.65	2,264.57	2,179.12	85.45	26.502		
10,900.00	7,141.27	7,166.97	7,125.52	112.41	31.27	88.89	67.13	-1,013.65	2,356.07	2,271.04	85.04	27.707		
11,000.00	7,139.45	7,166.55	7,125.10	115.13	31.27	88.86	67.13	-1,013.64	2,448.25	2,363.60	84.65	28.923		
11,100.00	7,137.63	7,166.13	7,124.68	117.86	31.27	88.84	67.13	-1,013.63	2,541.01	2,456.73	84.28	30.148		
11,200.00	7,135.82	7,165.72	7,124.27	120.59	31.26	88.81	67.12	-1,013.63	2,634.31	2,550.36	83.94	31.382		
11,300.00	7,134.00	7,165.31	7,123.86	123.33	31.26	88.79	67.12	-1,013.62	2,728.08	2,644.45	83.62	32.623		
11,400.00	7,132.18	7,164.90	7,123.45	126.07	31.26	88.76	67.12	-1,013.62	2,822.27	2,738.95	83.33	33.870		
11,500.00	7,130.36	7,164.50	7,123.05	128.82	31.26	88.74	67.11	-1,013.61	2,916.86	2,833.81	83.05	35.123		
11,600.00	7,128.55	7,164.10	7,122.65	131.57	31.26	88.71	67.11	-1,013.60	3,011.79	2,929.00	82.78	36.381		
11,700.00	7,126.73	7,163.70	7,122.25	134.33	31.25	88.69	67.10	-1,013.60	3,107.04	3,024.50	82.54	37.644		
11,800.00	7,124.91	7,163.31	7,121.86	137.09	31.25	88.66	67.10	-1,013.59	3,202.58	3,120.27	82.31	38.910		
11,900.00	7,123.10	7,162.92	7,121.47	139.85	31.25	88.64	67.10	-1,013.59	3,298.39	3,216.29	82.09	40.179		
12,000.00	7,121.28	7,162.53	7,121.08	142.62	31.25	88.61	67.09	-1,013.58	3,394.43	3,312.54	81.89	41.451		
12,100.00	7,119.46	7,162.15	7,120.69	145.39	31.25	88.59	67.09	-1,013.58	3,490.70	3,409.00	81.70	42.726		
12,200.00	7,117.64	7,161.76	7,120.31	148.16	31.25	88.57	67.09	-1,013.57	3,587.17	3,505.65	81.52	44.003		
12,300.00	7,115.83	7,161.39	7,119.93	150.94	31.25	88.54	67.08	-1,013.57	3,683.83	3,602.48	81.35	45.281		
12,400.00	7,114.01	7,161.01	7,119.56	153.72	31.24	88.52	67.08	-1,013.56	3,780.67	3,699.47	81.20	46.561		
12,500.00	7,112.19	7,160.64	7,119.19	156.50	31.24	88.50	67.08	-1,013.56	3,877.66	3,796.61	81.05	47.842		
12,600.00	7,110.37	7,160.27	7,118.82	159.28	31.24	88.48	67.07	-1,013.55	3,974.81	3,893.89	80.91	49.124		
12,700.00	7,108.56	7,159.90	7,118.45	162.07	31.24	88.45	67.07	-1,013.55	4,072.09	3,991.31	80.79	50.406		
12,800.00	7,106.74	7,159.54	7,118.09	164.86	31.24	88.43	67.07	-1,013.54	4,169.50	4,088.84	80.66	51.689		
12,900.00	7,104.92	7,159.17	7,117.72	167.65	31.24	88.41	67.06	-1,013.54	4,267.03	4,186.48	80.55	52.973		
13,000.00	7,103.11	7,158.82	7,117.37	170.44	31.23	88.39	67.06	-1,013.53	4,364.68	4,284.23	80.45	54.256		
13,100.00	7,101.29	7,158.46	7,117.01	173.23	31.23	88.36	67.06	-1,013.53	4,462.42	4,382.07	80.35	55.539		
13,200.00	7,099.47	7,158.11	7,116.66	176.03	31.23	88.34	67.05	-1,013.52	4,560.27	4,480.01	80.26	56.822		
13,300.00	7,097.65	7,157.76	7,116.31	178.82	31.23	88.32	67.05	-1,013.52	4,658.20	4,578.03	80.17	58.105		
13,400.00	7,095.84	7,157.41	7,115.96	181.62	31.23	88.30	67.05	-1,013.51	4,756.22	4,676.14	80.09	59.386		
13,500.00	7,094.02	7,157.06	7,115.61	184.42	31.23	88.28	67.04	-1,013.51	4,854.33	4,774.31	80.01	60.668		
13,600.00	7,092.20	7,156.72	7,115.27	187.22	31.23	88.26	67.04	-1,013.50	4,952.51	4,872.56	79.95	61.948		
13,700.00	7,090.39	7,156.38	7,114.93	190.03	31.22	88.24	67.04	-1,013.50	5,050.76	4,970.87	79.88	63.228		
13,800.00	7,088.57	7,156.04	7,114.59	192.83	31.22	88.22	67.04	-1,013.49	5,149.07	5,069.25	79.82	64.506		
13,900.00	7,086.75	7,155.71	7,114.26	195.64	31.22	88.20	67.03	-1,013.49	5,247.45	5,167.68	79.77	65.783		
14,000.00	7,084.93	7,155.37	7,113.92	198.44	31.22	88.17	67.03	-1,013.48	5,345.89	5,266.18	79.72	67.060		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,083.12	7,155.04	7,113.59	201.25	31.22	88.15	67.03	-1,013.48	5,444.39	5,364.72	79.67	68.334		
14,200.00	7,081.30	7,154.72	7,113.27	204.06	31.22	88.13	67.02	-1,013.47	5,542.94	5,463.31	79.63	69.608		
14,300.00	7,079.48	7,154.39	7,112.94	206.87	31.22	88.11	67.02	-1,013.47	5,641.55	5,561.95	79.59	70.879		
14,400.00	7,077.67	7,154.07	7,112.62	209.68	31.21	88.09	67.02	-1,013.46	5,740.20	5,660.64	79.56	72.150		
14,500.00	7,075.85	7,153.75	7,112.30	212.49	31.21	88.07	67.01	-1,013.46	5,838.89	5,759.36	79.53	73.418		
14,600.00	7,074.03	7,153.43	7,111.98	215.31	31.21	88.06	67.01	-1,013.45	5,937.63	5,858.13	79.50	74.685		
14,700.00	7,072.21	7,153.11	7,111.66	218.12	31.21	88.04	67.01	-1,013.45	6,036.41	5,956.94	79.48	75.950		
14,800.00	7,070.40	7,152.80	7,111.35	220.93	31.21	88.02	67.00	-1,013.44	6,135.24	6,055.78	79.46	77.213		
14,900.00	7,068.58	7,152.48	7,111.03	223.75	31.21	88.00	67.00	-1,013.44	6,234.09	6,154.65	79.44	78.475		
15,000.00	7,066.76	7,152.17	7,110.72	226.57	31.21	87.98	67.00	-1,013.43	6,332.99	6,253.56	79.43	79.734		
15,100.00	7,064.95	7,151.87	7,110.42	229.38	31.21	87.96	67.00	-1,013.43	6,431.92	6,352.50	79.42	80.991		
15,200.00	7,063.13	7,151.56	7,110.11	232.20	31.20	87.94	66.99	-1,013.43	6,530.88	6,451.47	79.41	82.246		
15,300.00	7,061.31	7,151.26	7,109.81	235.02	31.20	87.92	66.99	-1,013.42	6,629.87	6,550.47	79.40	83.499		
15,400.00	7,059.49	7,150.96	7,109.51	237.84	31.20	87.90	66.99	-1,013.42	6,728.89	6,649.50	79.40	84.750		
15,500.00	7,057.68	7,150.66	7,109.21	240.66	31.20	87.88	66.98	-1,013.41	6,827.94	6,748.55	79.40	85.998		
15,600.00	7,055.86	7,150.36	7,108.91	243.48	31.20	87.87	66.98	-1,013.41	6,927.02	6,847.62	79.40	87.244		
15,647.29	7,055.00	7,150.22	7,108.77	244.81	31.20	87.86	66.98	-1,013.41	6,973.89	6,894.49	79.40	87.833		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-71.01	316.96	-921.13	974.84					
100.00	100.00	57.67	57.67	3.28	3.29	-71.01	316.98	-921.25	974.27	967.70	6.57	148.239		
200.00	200.00	146.32	146.31	3.34	3.34	-71.02	317.14	-922.25	975.40	968.72	6.68	146.108		
300.00	300.00	272.37	272.36	3.44	3.47	-71.06	316.83	-923.25	976.14	969.22	6.92	141.054		
400.00	399.98	450.96	450.70	3.60	3.80	152.94	312.43	-916.26	973.57	966.13	7.45	130.751		
500.00	499.84	606.65	605.23	3.79	4.20	153.03	303.22	-899.86	966.32	958.23	8.09	119.465		
600.00	599.45	769.66	765.38	4.03	4.78	153.17	288.24	-873.60	955.64	946.75	8.89	107.459		
700.00	698.70	868.69	862.00	4.30	5.21	153.35	277.50	-854.78	944.88	935.42	9.46	99.896		
790.00	787.61	976.31	966.95	4.57	5.73	153.63	265.90	-833.98	937.66	927.54	10.12	92.684		
800.00	797.47	989.82	980.08	4.60	5.80	153.66	264.39	-831.18	936.84	926.64	10.20	91.861		
900.00	896.01	1,106.04	1,092.59	4.94	6.43	153.98	251.41	-805.11	926.95	915.99	10.96	84.548		
1,000.00	994.55	1,211.80	1,194.97	5.30	7.04	154.37	240.76	-780.82	917.07	905.35	11.71	78.292		
1,100.00	1,093.09	1,317.10	1,296.45	5.68	7.69	154.70	228.77	-755.41	905.58	893.08	12.49	72.480		
1,200.00	1,191.63	1,428.08	1,403.21	6.08	8.40	154.95	214.28	-728.75	893.65	880.33	13.33	67.045		
1,300.00	1,290.17	1,508.95	1,481.01	6.49	8.94	155.04	202.55	-710.09	882.08	868.02	14.06	62.733		
1,400.00	1,388.71	1,611.33	1,579.52	6.91	9.62	154.97	185.17	-688.30	871.32	856.41	14.91	58.430		
1,500.00	1,487.25	1,712.03	1,675.82	7.34	10.31	154.57	163.53	-668.41	860.33	844.53	15.80	54.462		
1,600.00	1,585.79	1,813.38	1,772.06	7.77	11.02	153.88	137.97	-649.55	849.05	832.33	16.73	50.761		
1,700.00	1,684.34	1,923.24	1,875.62	8.22	11.83	152.88	106.97	-630.03	837.63	819.88	17.75	47.201		
1,800.00	1,782.88	2,046.15	1,989.56	8.66	12.80	151.40	67.13	-606.91	823.86	804.96	18.90	43.588		
1,900.00	1,881.42	2,153.90	2,087.69	9.12	13.73	149.76	27.92	-585.89	808.42	788.34	20.08	40.254		
2,000.00	1,979.96	2,254.10	2,178.64	9.57	14.63	148.18	-8.73	-565.25	792.44	771.15	21.29	37.228		
2,100.00	2,078.50	2,351.21	2,267.14	10.03	15.51	146.66	-43.29	-545.21	777.32	754.81	22.51	34.530		
2,200.00	2,177.04	2,443.85	2,351.81	10.49	16.36	145.26	-75.12	-525.16	762.13	738.39	23.74	32.099		
2,300.00	2,275.58	2,529.72	2,430.55	10.95	17.13	143.87	-104.88	-508.24	749.24	724.27	24.98	30.000		
2,400.00	2,374.12	2,639.64	2,531.27	11.42	18.14	142.03	-143.20	-486.58	736.99	710.58	26.41	27.909		
2,500.00	2,472.66	2,752.43	2,631.91	11.89	19.27	139.61	-188.09	-462.67	722.94	694.93	28.01	25.808		
2,600.00	2,571.20	2,846.73	2,714.28	12.36	20.27	137.20	-229.28	-442.40	709.06	679.42	29.64	23.923		
2,700.00	2,669.74	2,928.33	2,786.59	12.83	21.11	135.22	-263.07	-425.44	697.49	666.33	31.16	22.384		
2,800.00	2,768.28	3,020.26	2,868.96	13.30	22.04	133.06	-299.52	-407.10	688.11	655.36	32.76	21.007		
2,900.00	2,866.83	3,107.31	2,946.61	13.78	22.92	130.88	-335.20	-390.53	680.78	646.42	34.36	19.813		
3,000.00	2,965.37	3,205.91	3,035.05	14.25	23.92	128.44	-374.71	-372.14	675.09	639.01	36.08	18.710		
3,100.00	3,063.91	3,303.93	3,124.54	14.73	24.85	126.32	-410.31	-353.97	670.47	632.76	37.71	17.778		
3,200.00	3,162.45	3,405.22	3,217.26	15.20	25.82	124.19	-445.82	-333.89	665.38	626.02	39.36	16.904		
3,300.00	3,260.99	3,493.87	3,298.83	15.68	26.65	122.37	-476.49	-317.65	662.57	621.70	40.87	16.210		
3,400.00	3,359.53	3,596.92	3,394.20	16.16	27.60	120.37	-510.53	-298.51	660.08	617.59	42.50	15.532		
3,500.00	3,458.07	3,688.06	3,478.04	16.64	28.46	118.47	-541.88	-281.38	658.49	614.46	44.03	14.955		
3,522.10	3,479.85	3,707.21	3,495.55	16.74	28.64	118.05	-548.79	-277.87	658.43	614.07	44.36	14.842		
3,600.00	3,556.61	3,778.15	3,560.38	17.12	29.32	116.46	-574.65	-265.21	659.07	613.51	45.56	14.467		
3,700.00	3,655.15	3,876.37	3,651.15	17.60	30.23	114.49	-608.29	-248.59	660.94	613.82	47.13	14.025		
3,800.00	3,753.69	3,970.19	3,737.50	18.08	31.11	112.53	-641.15	-232.31	663.51	614.87	48.64	13.640		
3,900.00	3,852.23	4,064.07	3,822.31	18.56	32.05	110.27	-677.67	-215.37	667.78	617.57	50.21	13.300		
4,000.00	3,950.77	4,156.68	3,905.36	19.04	33.00	107.95	-714.93	-198.32	673.47	621.72	51.75	13.013		
4,100.00	4,049.31	4,281.66	4,017.22	19.52	34.31	104.84	-764.76	-173.40	679.08	625.34	53.74	12.636		
4,200.00	4,147.86	4,363.06	4,090.40	20.00	35.16	102.90	-796.38	-156.95	684.99	629.93	55.06	12.441		
4,300.00	4,246.40	4,464.17	4,180.96	20.49	36.22	100.47	-836.08	-135.83	691.83	635.21	56.62	12.218		
4,400.00	4,344.94	4,551.60	4,258.77	20.97	37.16	98.33	-871.43	-117.40	700.40	642.46	57.94	12.088		
4,500.00	4,443.48	4,646.40	4,343.33	21.45	38.18	96.09	-909.64	-98.00	710.56	651.24	59.32	11.979		
4,600.00	4,542.02	4,742.70	4,428.37	21.94	39.24	93.75	-949.87	-77.48	722.23	661.55	60.68	11.902		
4,700.00	4,640.56	4,859.20	4,531.92	22.42	40.51	91.08	-996.57	-51.62	733.39	671.08	62.32	11.769		
4,800.00	4,739.10	4,960.88	4,623.84	22.91	41.56	89.04	-1,033.89	-29.34	743.44	679.79	63.64	11.682		
4,900.00	4,837.64	5,046.11	4,701.20	23.39	42.43	87.45	-1,064.92	-11.57	754.84	690.17	64.67	11.673		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,936.18	5,129.88	4,777.16	23.87	43.29	85.94	-1,096.25	4.74	768.60	702.97	65.62	11.712		
5,100.00	5,034.72	5,232.49	4,869.72	24.36	44.34	84.10	-1,135.73	24.79	783.87	717.02	66.85	11.726		
5,200.00	5,133.26	5,351.51	4,978.89	24.84	45.48	82.30	-1,177.65	46.92	797.84	729.56	68.28	11.685		
5,300.00	5,231.80	5,497.67	5,117.53	25.33	46.67	80.97	-1,217.52	69.89	807.45	737.57	69.89	11.554		
5,400.00	5,330.34	5,601.43	5,218.11	25.82	47.37	80.53	-1,239.31	83.03	813.99	743.03	70.97	11.470		
5,500.00	5,428.89	5,712.87	5,326.88	26.30	48.05	80.27	-1,260.14	95.35	819.64	747.56	72.07	11.372		
5,600.00	5,527.43	5,811.33	5,423.59	26.79	48.60	80.25	-1,276.50	104.01	824.96	751.88	73.08	11.289		
5,700.00	5,625.97	5,928.49	5,539.33	27.27	49.17	80.52	-1,292.95	111.57	829.66	755.48	74.18	11.185		
5,800.00	5,724.51	6,041.96	5,652.15	27.76	49.65	81.10	-1,303.81	116.85	831.78	756.55	75.22	11.057		
5,900.00	5,823.05	6,157.09	5,766.88	28.24	50.08	81.85	-1,312.06	121.32	832.58	756.34	76.24	10.920		
6,000.00	5,921.59	6,265.88	5,875.57	28.73	50.40	82.82	-1,316.20	123.55	832.01	754.80	77.21	10.776		
6,100.00	6,020.13	6,371.03	5,980.71	29.22	50.67	83.93	-1,317.77	124.46	830.63	752.47	78.16	10.628		
6,200.00	6,118.67	6,472.74	6,082.41	29.70	50.89	85.14	-1,317.59	124.12	829.07	749.99	79.08	10.485		
6,300.00	6,217.21	6,573.67	6,183.31	30.19	51.07	86.49	-1,315.82	122.50	827.57	747.60	79.97	10.349		
6,400.00	6,315.75	6,672.36	6,281.93	30.68	51.23	87.91	-1,312.95	120.01	826.32	745.47	80.84	10.221		
6,464.75	6,379.56	6,730.03	6,339.54	30.99	51.32	88.77	-1,311.10	118.13	825.99	744.59	81.40	10.148		
6,500.00	6,414.29	6,761.38	6,370.86	31.16	51.37	89.24	-1,310.21	116.98	826.09	744.39	81.69	10.112		
6,582.51	6,495.60	6,837.19	6,446.62	31.57	51.52	90.27	-1,309.33	114.93	826.97	744.59	82.38	10.038		
6,600.00	6,512.86	6,853.48	6,462.92	31.65	51.55	82.95	-1,309.46	114.72	827.08	744.56	82.52	10.023		
6,650.00	6,562.39	6,905.61	6,515.04	31.88	51.67	52.92	-1,309.81	114.04	825.41	742.49	82.91	9.955		
6,700.00	6,611.96	6,955.38	6,564.80	32.08	51.78	20.10	-1,309.72	113.18	820.70	737.44	83.26	9.857		
6,750.00	6,661.26	6,999.08	6,608.49	32.27	51.87	-0.97	-1,309.90	112.40	813.31	729.76	83.55	9.735		
6,800.00	6,709.99	7,044.17	6,653.57	32.44	51.98	-12.99	-1,310.62	111.68	803.36	719.55	83.81	9.585		
6,850.00	6,757.84	7,092.67	6,702.05	32.61	52.12	-20.75	-1,312.03	111.41	790.68	706.60	84.08	9.404		
6,900.00	6,804.53	7,139.01	6,748.35	32.77	52.25	-26.59	-1,313.93	111.67	775.32	691.03	84.30	9.197		
6,950.00	6,849.77	7,183.08	6,792.39	32.92	52.37	-31.49	-1,315.40	111.50	757.56	673.07	84.49	8.967		
7,000.00	6,893.27	7,226.62	6,835.92	33.07	52.48	-36.01	-1,316.33	110.73	737.59	652.95	84.64	8.715		
7,050.00	6,934.77	7,269.57	6,878.84	33.23	52.58	-40.52	-1,316.86	109.60	715.56	630.83	84.73	8.445		
7,100.00	6,974.01	7,311.07	6,920.32	33.39	52.67	-45.21	-1,317.01	108.20	691.76	606.99	84.78	8.160		
7,150.00	7,010.75	7,351.59	6,960.80	33.55	52.74	-50.21	-1,316.59	106.38	666.48	581.73	84.75	7.864		
7,200.00	7,044.77	7,390.38	6,999.51	33.72	52.82	-55.56	-1,315.60	104.16	640.10	555.45	84.65	7.562		
7,250.00	7,075.85	7,429.02	7,038.10	33.92	52.89	-61.44	-1,314.55	102.34	613.00	528.57	84.43	7.261		
7,300.00	7,103.80	7,462.08	7,071.14	34.13	52.95	-67.42	-1,313.87	101.55	585.87	501.82	84.05	6.970		
7,350.00	7,128.45	7,487.99	7,097.05	34.38	53.00	-72.97	-1,313.46	101.35	559.62	476.10	83.52	6.701		
7,400.00	7,149.65	7,509.32	7,118.37	34.67	53.04	-77.98	-1,313.09	101.12	535.19	452.38	82.81	6.463		
7,450.00	7,167.26	7,527.53	7,136.58	35.00	53.08	-82.40	-1,312.74	100.84	513.43	431.55	81.88	6.271		
7,500.00	7,181.19	7,542.45	7,151.49	35.38	53.11	-86.06	-1,312.43	100.54	495.22	414.51	80.72	6.135		
7,550.00	7,191.34	7,553.87	7,162.90	35.81	53.13	-88.83	-1,312.18	100.28	481.41	402.07	79.33	6.068 SF		
7,600.00	7,197.65	7,561.61	7,170.64	36.28	53.15	-90.62	-1,312.00	100.09	472.72	394.93	77.79	6.077		
7,650.00	7,200.08	7,565.50	7,174.52	36.80	53.16	-91.40	-1,311.91	99.98	469.69	393.50	76.18	6.165 ES		
7,650.88	7,200.08	7,565.53	7,174.56	36.81	53.16	-91.40	-1,311.91	99.98	469.69	393.53	76.16	6.167 CC		
7,667.87	7,200.00	7,565.92	7,174.94	36.99	53.16	-91.42	-1,311.90	99.97	470.03	394.41	75.62	6.216		
7,700.00	7,199.42	7,566.21	7,175.23	37.35	53.16	-91.45	-1,311.89	99.96	472.41	397.74	74.67	6.327		
7,800.00	7,197.60	7,567.14	7,176.17	38.62	53.16	-91.56	-1,311.87	99.94	493.33	420.88	72.44	6.810		
7,900.00	7,195.78	7,568.12	7,177.15	40.06	53.16	-91.68	-1,311.85	99.91	532.51	460.88	71.63	7.434		
8,000.00	7,193.97	7,569.16	7,178.18	41.66	53.17	-91.81	-1,311.82	99.88	586.31	514.32	71.99	8.145		
8,100.00	7,192.15	7,570.26	7,179.28	43.40	53.17	-91.94	-1,311.80	99.85	651.12	578.17	72.95	8.925		
8,200.00	7,190.33	7,571.42	7,180.44	45.25	53.17	-92.09	-1,311.77	99.82	723.98	649.88	74.10	9.771		
8,300.00	7,188.51	7,572.65	7,181.67	47.20	53.17	-92.24	-1,311.74	99.78	802.70	727.50	75.21	10.673		
8,400.00	7,186.70	7,573.95	7,182.97	49.25	53.18	-92.40	-1,311.71	99.75	885.73	809.53	76.20	11.624		
8,500.00	7,184.88	7,575.34	7,184.36	51.37	53.18	-92.56	-1,311.67	99.71	971.96	894.90	77.06	12.613		
8,600.00	7,183.06	7,576.82	7,185.84	53.56	53.18	-92.75	-1,311.64	99.66	1,060.61	982.81	77.80	13.633		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,181.24	7,578.40	7,187.42	55.81	53.18	-92.94	-1,311.60	99.62	1,151.11	1,072.68	78.43	14.677		
8,800.00	7,179.43	7,575.47	7,184.49	58.11	53.18	-92.58	-1,311.67	99.72	1,243.10	1,164.09	79.01	15.733		
8,900.00	7,177.61	7,576.39	7,185.41	60.46	53.18	-92.69	-1,311.65	99.70	1,336.22	1,256.74	79.48	16.812		
9,000.00	7,175.79	7,577.32	7,186.34	62.85	53.18	-92.81	-1,311.63	99.67	1,430.27	1,350.38	79.89	17.903		
9,100.00	7,173.98	7,578.26	7,187.28	65.28	53.18	-92.92	-1,311.60	99.65	1,525.07	1,444.82	80.25	19.005		
9,200.00	7,172.16	7,579.22	7,188.24	67.74	53.18	-93.04	-1,311.58	99.62	1,620.50	1,539.94	80.56	20.114		
9,300.00	7,170.34	7,580.19	7,189.20	70.23	53.19	-93.16	-1,311.55	99.59	1,716.45	1,635.60	80.85	21.231		
9,400.00	7,168.52	7,581.17	7,190.18	72.74	53.19	-93.28	-1,311.53	99.57	1,812.84	1,731.74	81.10	22.353		
9,500.00	7,166.71	7,582.16	7,191.18	75.28	53.19	-93.40	-1,311.50	99.54	1,909.59	1,828.27	81.33	23.480		
9,600.00	7,164.89	7,583.17	7,192.19	77.84	53.19	-93.52	-1,311.48	99.51	2,006.67	1,925.14	81.53	24.611		
9,700.00	7,163.07	7,584.20	7,193.21	80.43	53.19	-93.64	-1,311.45	99.48	2,104.02	2,022.29	81.72	25.745		
9,800.00	7,161.26	7,585.23	7,194.25	83.02	53.20	-93.77	-1,311.43	99.46	2,201.61	2,119.71	81.90	26.882		
9,900.00	7,159.44	7,586.29	7,195.30	85.64	53.20	-93.90	-1,311.40	99.43	2,299.40	2,217.34	82.06	28.020		
10,000.00	7,157.62	7,587.35	7,196.36	88.27	53.20	-94.03	-1,311.37	99.40	2,397.37	2,315.16	82.21	29.161		
10,100.00	7,155.80	7,588.44	7,197.45	90.91	53.20	-94.16	-1,311.35	99.37	2,495.51	2,413.16	82.35	30.302		
10,200.00	7,153.99	7,589.53	7,198.54	93.56	53.20	-94.29	-1,311.32	99.34	2,593.79	2,511.30	82.49	31.445		
10,300.00	7,152.17	7,590.65	7,199.66	96.23	53.21	-94.43	-1,311.29	99.31	2,692.19	2,609.58	82.61	32.589		
10,400.00	7,150.35	7,591.78	7,200.79	98.90	53.21	-94.57	-1,311.26	99.28	2,790.71	2,707.98	82.73	33.733		
10,500.00	7,148.54	7,592.92	7,201.93	101.59	53.21	-94.71	-1,311.23	99.24	2,889.33	2,806.48	82.84	34.877		
10,600.00	7,146.72	7,594.09	7,203.09	104.28	53.21	-94.85	-1,311.20	99.21	2,988.04	2,905.08	82.95	36.022		
10,700.00	7,144.90	7,595.27	7,204.27	106.98	53.21	-94.99	-1,311.17	99.18	3,086.83	3,003.77	83.06	37.166		
10,800.00	7,143.08	7,596.47	7,205.47	109.69	53.22	-95.14	-1,311.14	99.15	3,185.70	3,102.54	83.16	38.310		
10,900.00	7,141.27	7,597.69	7,206.69	112.41	53.22	-95.29	-1,311.11	99.11	3,284.63	3,201.38	83.25	39.454		
11,000.00	7,139.45	7,598.92	7,207.92	115.13	53.22	-95.44	-1,311.07	99.08	3,383.63	3,300.28	83.35	40.598		
11,100.00	7,137.63	7,600.18	7,209.18	117.86	53.22	-95.59	-1,311.04	99.04	3,482.68	3,399.25	83.44	41.740		
11,200.00	7,135.82	7,601.45	7,210.45	120.59	53.23	-95.74	-1,311.01	99.00	3,581.79	3,498.27	83.53	42.883		
11,300.00	7,134.00	7,602.75	7,211.75	123.33	53.23	-95.90	-1,310.97	98.97	3,680.95	3,597.33	83.61	44.024		
11,400.00	7,132.18	7,604.06	7,213.06	126.07	53.23	-96.06	-1,310.94	98.93	3,780.15	3,696.45	83.70	45.165		
11,500.00	7,130.36	7,605.40	7,214.39	128.82	53.23	-96.22	-1,310.90	98.89	3,879.39	3,795.61	83.78	46.304		
11,600.00	7,128.55	7,606.75	7,215.75	131.57	53.24	-96.39	-1,310.86	98.85	3,978.66	3,894.80	83.86	47.443		
11,700.00	7,126.73	7,608.13	7,217.13	134.33	53.24	-96.55	-1,310.83	98.81	4,077.98	3,994.03	83.94	48.580		
11,800.00	7,124.91	7,609.54	7,218.53	137.09	53.24	-96.72	-1,310.79	98.77	4,177.32	4,093.30	84.02	49.717		
11,900.00	7,123.10	7,610.96	7,219.95	139.85	53.24	-96.89	-1,310.75	98.73	4,276.70	4,192.60	84.10	50.852		
12,000.00	7,121.28	7,612.41	7,221.40	142.62	53.25	-97.07	-1,310.71	98.69	4,376.10	4,291.92	84.18	51.985		
12,100.00	7,119.46	7,613.88	7,222.87	145.39	53.25	-97.25	-1,310.67	98.65	4,475.53	4,391.27	84.26	53.118		
12,200.00	7,117.64	7,615.38	7,224.37	148.16	53.25	-97.43	-1,310.63	98.60	4,574.98	4,490.65	84.33	54.249		
12,300.00	7,115.83	7,616.90	7,225.89	150.94	53.26	-97.61	-1,310.58	98.56	4,674.46	4,590.05	84.41	55.378		
12,400.00	7,114.01	7,618.45	7,227.44	153.72	53.26	-97.80	-1,310.54	98.51	4,773.96	4,689.47	84.49	56.506		
12,500.00	7,112.19	7,620.03	7,229.01	156.50	53.26	-97.99	-1,310.50	98.47	4,873.48	4,788.92	84.56	57.632		
12,600.00	7,110.37	7,621.63	7,230.61	159.28	53.26	-98.18	-1,310.45	98.42	4,973.02	4,888.38	84.64	58.757		
12,700.00	7,108.56	7,623.26	7,232.24	162.07	53.27	-98.38	-1,310.40	98.37	5,072.57	4,987.86	84.71	59.880		
12,800.00	7,106.74	7,624.92	7,233.90	164.86	53.27	-98.58	-1,310.36	98.32	5,172.15	5,087.36	84.79	61.001		
12,900.00	7,104.92	7,626.61	7,235.59	167.65	53.27	-98.78	-1,310.31	98.27	5,271.73	5,186.87	84.86	62.120		
13,000.00	7,103.11	7,628.33	7,237.31	170.44	53.28	-98.99	-1,310.26	98.22	5,371.34	5,286.40	84.94	63.238		
13,100.00	7,101.29	7,630.08	7,239.06	173.23	53.28	-99.20	-1,310.21	98.17	5,470.95	5,385.94	85.01	64.354		
13,200.00	7,099.47	7,631.87	7,240.84	176.03	53.28	-99.41	-1,310.16	98.11	5,570.59	5,485.50	85.09	65.468		
13,300.00	7,097.65	7,633.69	7,242.66	178.82	53.29	-99.63	-1,310.10	98.06	5,670.23	5,585.06	85.16	66.580		
13,400.00	7,095.84	7,635.54	7,244.51	181.62	53.29	-99.85	-1,310.05	98.00	5,769.88	5,684.64	85.24	67.690		
13,500.00	7,094.02	7,637.43	7,246.40	184.42	53.29	-100.08	-1,309.99	97.95	5,869.55	5,784.23	85.32	68.798		
13,600.00	7,092.20	7,639.35	7,248.32	187.22	53.30	-100.30	-1,309.94	97.89	5,969.23	5,883.84	85.39	69.904		
13,700.00	7,090.39	7,641.31	7,250.28	190.03	53.30	-100.54	-1,309.88	97.83	6,068.92	5,983.45	85.47	71.007		
13,800.00	7,088.57	13,800.00	7,277.48	192.83	65.21	-103.75	-1,309.00	96.90	6,168.58	6,069.76	98.82	62.422		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.75	13,900.00	7,279.08	195.64	65.41	-103.94	-1,308.94	96.85	6,268.28	6,169.18	99.11	63.249		
14,000.00	7,084.93	14,000.00	7,280.68	198.44	65.62	-104.12	-1,308.89	96.79	6,367.99	6,268.60	99.39	64.071		
14,100.00	7,083.12	14,100.00	7,282.27	201.25	65.82	-104.31	-1,308.84	96.74	6,467.71	6,368.04	99.67	64.888		
14,200.00	7,081.30	14,200.00	7,283.87	204.06	66.02	-104.50	-1,308.78	96.68	6,567.44	6,467.48	99.96	65.701		
14,300.00	7,079.48	14,300.00	7,285.47	206.87	66.22	-104.68	-1,308.73	96.63	6,667.17	6,566.93	100.25	66.508		
14,400.00	7,077.67	7,703.66	7,312.56	209.68	53.42	-107.79	-1,307.80	95.63	6,766.91	6,680.91	86.00	78.687		
14,500.00	7,075.85	7,705.62	7,314.52	212.49	53.42	-108.01	-1,307.73	95.56	6,866.65	6,780.57	86.08	79.772		
14,600.00	7,074.03	7,707.58	7,316.47	215.31	53.42	-108.23	-1,307.66	95.48	6,966.40	6,880.24	86.16	80.855		
14,700.00	7,072.21	7,709.54	7,318.43	218.12	53.43	-108.45	-1,307.59	95.41	7,066.16	6,979.92	86.24	81.935		
14,800.00	7,070.40	7,711.50	7,320.39	220.93	53.43	-108.67	-1,307.52	95.33	7,165.92	7,079.60	86.32	83.013		
14,900.00	7,068.58	7,713.46	7,322.34	223.75	53.44	-108.89	-1,307.46	95.25	7,265.69	7,179.28	86.41	84.088		
15,000.00	7,066.76	7,715.42	7,324.30	226.57	53.44	-109.10	-1,307.39	95.18	7,365.46	7,278.97	86.49	85.161		
15,100.00	7,064.95	7,717.38	7,326.26	229.38	53.44	-109.32	-1,307.32	95.10	7,465.24	7,378.67	86.57	86.231		
15,200.00	7,063.13	7,719.34	7,328.22	232.20	53.45	-109.54	-1,307.25	95.03	7,565.03	7,478.37	86.66	87.299		
15,300.00	7,061.31	7,721.30	7,330.17	235.02	53.45	-109.76	-1,307.18	94.95	7,664.82	7,578.07	86.74	88.364		
15,400.00	7,059.49	7,723.26	7,332.13	237.84	53.45	-109.97	-1,307.11	94.88	7,764.61	7,677.78	86.83	89.427		
15,500.00	7,057.68	7,725.22	7,334.09	240.66	53.46	-110.19	-1,307.04	94.80	7,864.41	7,777.50	86.91	90.488		
15,600.00	7,055.86	7,727.18	7,336.04	243.48	53.46	-110.40	-1,306.97	94.73	7,964.21	7,877.22	87.00	91.545		
15,647.29	7,055.00	7,728.11	7,336.97	244.81	53.46	-110.51	-1,306.94	94.69	8,011.41	7,924.38	87.04	92.045		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-69.53	347.56	-930.87	994.33					
100.00	100.00	60.54	60.54	3.28	3.29	-69.52	347.60	-930.92	993.70	987.13	6.57	151.182		
200.00	200.00	155.31	155.31	3.34	3.34	-69.51	347.97	-931.30	994.21	987.53	6.68	148.818		
300.00	300.00	252.11	252.11	3.44	3.45	-69.49	348.69	-932.00	995.15	988.25	6.90	144.299		
400.00	399.98	348.35	348.33	3.60	3.60	154.56	349.60	-932.99	998.02	990.82	7.20	138.559		
500.00	499.84	452.42	452.39	3.79	3.82	154.67	350.60	-933.98	1,003.98	996.37	7.61	131.979		
600.00	599.45	551.69	551.65	4.03	4.06	154.83	351.36	-934.78	1,012.89	1,004.80	8.08	125.330		
700.00	698.70	650.67	650.63	4.30	4.33	155.05	352.23	-935.66	1,025.08	1,016.46	8.62	118.905		
790.00	787.61	741.61	741.57	4.57	4.59	155.24	352.11	-936.61	1,038.57	1,029.41	9.16	113.428		
800.00	797.47	751.42	751.37	4.60	4.62	155.27	352.03	-936.74	1,040.20	1,030.98	9.22	112.820		
900.00	896.01	853.84	853.78	4.94	4.94	155.57	350.60	-938.14	1,056.48	1,046.62	9.85	107.215		
1,000.00	994.55	971.98	971.81	5.30	5.32	155.78	346.31	-939.36	1,071.63	1,061.06	10.58	101.314		
1,100.00	1,093.09	1,071.38	1,070.98	5.68	5.66	155.79	339.51	-940.61	1,085.79	1,074.52	11.28	96.289		
1,200.00	1,191.63	1,161.54	1,160.85	6.08	5.98	155.75	332.61	-942.49	1,100.41	1,088.44	11.97	91.903		
1,300.00	1,290.17	1,253.91	1,252.67	6.49	6.33	155.56	323.25	-946.01	1,115.71	1,103.00	12.71	87.791		
1,400.00	1,388.71	1,355.88	1,353.53	6.91	6.74	155.16	309.44	-951.75	1,131.46	1,117.94	13.52	83.693		
1,500.00	1,487.25	1,501.00	1,496.51	7.34	7.37	154.44	285.42	-957.79	1,144.83	1,130.27	14.57	78.591		
1,600.00	1,585.79	1,599.72	1,593.44	7.77	7.82	153.89	266.90	-960.40	1,156.12	1,140.69	15.43	74.903		
1,700.00	1,684.34	1,727.20	1,717.58	8.22	8.45	152.96	238.30	-964.56	1,166.96	1,150.46	16.50	70.732		
1,800.00	1,782.88	1,880.58	1,865.63	8.66	9.28	151.67	198.27	-964.69	1,173.60	1,155.86	17.74	66.145		
1,900.00	1,881.42	1,990.71	1,970.79	9.12	9.93	150.60	165.59	-963.14	1,178.12	1,159.30	18.83	62.575		
2,000.00	1,979.96	2,096.07	2,070.07	9.57	10.61	149.39	130.38	-961.94	1,182.14	1,162.19	19.94	59.273		
2,100.00	2,078.50	2,177.98	2,146.13	10.03	11.19	148.30	99.97	-961.86	1,186.65	1,165.68	20.98	56.575		
2,200.00	2,177.04	2,256.53	2,218.05	10.49	11.78	147.13	68.49	-964.08	1,193.67	1,171.65	22.02	54.199		
2,300.00	2,275.58	2,356.46	2,308.60	10.95	12.59	145.54	26.38	-967.69	1,201.83	1,178.55	23.29	51.612		
2,400.00	2,374.12	2,441.18	2,385.15	11.42	13.29	144.18	-9.81	-970.55	1,210.60	1,186.15	24.45	49.513		
2,500.00	2,472.66	2,517.65	2,454.23	11.89	13.94	142.97	-42.38	-974.41	1,221.78	1,196.23	25.55	47.818		
2,600.00	2,571.20	2,604.73	2,532.89	12.36	14.70	141.61	-79.39	-979.48	1,234.61	1,207.86	26.76	46.140		
2,700.00	2,669.74	2,689.45	2,609.34	12.83	15.45	140.30	-115.48	-984.90	1,248.84	1,220.89	27.95	44.681		
2,800.00	2,768.28	2,774.02	2,685.34	13.30	16.22	138.99	-152.05	-991.11	1,264.75	1,235.61	29.15	43.392		
2,900.00	2,866.83	2,872.04	2,773.55	13.78	17.11	137.51	-194.19	-998.30	1,281.53	1,251.03	30.49	42.028		
3,000.00	2,965.37	2,972.51	2,864.29	14.25	18.04	136.07	-236.77	-1,005.21	1,298.71	1,266.85	31.86	40.758		
3,100.00	3,063.91	3,072.62	2,954.68	14.73	18.96	134.66	-279.33	-1,011.48	1,316.06	1,282.83	33.23	39.605		
3,200.00	3,162.45	3,183.21	3,055.49	15.20	19.96	133.24	-324.37	-1,017.63	1,333.46	1,298.77	34.69	38.437		
3,300.00	3,260.99	3,286.20	3,149.66	15.68	20.90	131.97	-365.81	-1,022.23	1,350.39	1,314.32	36.06	37.444		
3,400.00	3,359.53	3,379.43	3,235.06	16.16	21.74	130.87	-403.01	-1,026.26	1,367.74	1,330.42	37.33	36.644		
3,500.00	3,458.07	3,481.09	3,328.51	16.64	22.65	129.72	-442.81	-1,030.31	1,385.24	1,346.57	38.67	35.826		
3,600.00	3,556.61	3,571.37	3,411.28	17.12	23.47	128.71	-478.67	-1,034.01	1,403.40	1,363.51	39.88	35.188		
3,700.00	3,655.15	3,671.03	3,502.95	17.60	24.37	127.65	-517.57	-1,037.93	1,421.80	1,380.61	41.20	34.514		
3,800.00	3,753.69	3,752.82	3,578.26	18.08	25.10	126.80	-549.30	-1,041.33	1,440.87	1,398.56	42.30	34.061		
3,900.00	3,852.23	3,818.84	3,638.58	18.56	25.71	126.10	-575.87	-1,045.03	1,461.91	1,418.70	43.22	33.828		
4,000.00	3,950.77	3,926.13	3,735.85	19.04	26.73	124.92	-620.70	-1,051.25	1,483.85	1,439.21	44.64	33.240		
4,100.00	4,049.31	4,026.03	3,826.09	19.52	27.70	123.82	-663.27	-1,056.36	1,505.81	1,459.83	45.98	32.750		
4,200.00	4,147.86	4,128.32	3,918.46	20.00	28.69	122.71	-706.98	-1,060.81	1,527.57	1,480.23	47.34	32.267		
4,300.00	4,246.40	4,238.85	4,018.85	20.49	29.74	121.59	-752.98	-1,065.44	1,549.46	1,500.68	48.78	31.761		
4,400.00	4,344.94	4,335.82	4,107.34	20.97	30.66	120.67	-792.51	-1,068.66	1,570.71	1,520.66	50.05	31.380		
4,500.00	4,443.48	4,437.96	4,200.27	21.45	31.63	119.69	-834.76	-1,071.83	1,592.32	1,540.94	51.38	30.990		
4,600.00	4,542.02	4,518.98	4,274.35	21.94	32.39	118.97	-867.46	-1,074.63	1,614.37	1,561.93	52.44	30.784		
4,700.00	4,640.56	4,607.29	4,355.47	22.42	33.20	118.25	-902.13	-1,078.63	1,637.40	1,583.83	53.57	30.566		
4,800.00	4,739.10	4,692.31	4,434.15	22.91	33.96	117.63	-934.01	-1,083.33	1,661.12	1,606.49	54.63	30.407		
4,900.00	4,837.64	4,814.85	4,548.76	23.39	35.02	116.89	-976.70	-1,090.79	1,684.82	1,628.71	56.11	30.029		
5,000.00	4,936.18	4,935.74	4,662.91	23.87	35.99	116.27	-1,016.02	-1,096.89	1,706.93	1,649.41	57.51	29.680		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	5,052.09	4,773.52	24.36	36.91	115.75	-1,051.75	-1,101.93	1,727.94	1,669.09	58.84	29.366		
5,200.00	5,133.26	5,167.46	4,883.82	24.84	37.78	115.30	-1,085.31	-1,106.27	1,747.98	1,687.84	60.14	29.066		
5,300.00	5,231.80	5,276.21	4,988.52	25.33	38.55	114.98	-1,114.42	-1,110.44	1,767.42	1,706.09	61.33	28.818		
5,400.00	5,330.34	5,398.34	5,106.95	25.82	39.37	114.72	-1,143.88	-1,114.75	1,785.73	1,723.12	62.61	28.522		
5,500.00	5,428.89	5,514.61	5,220.52	26.30	40.10	114.58	-1,168.51	-1,118.65	1,802.93	1,739.13	63.80	28.261		
5,600.00	5,527.43	5,633.79	5,337.66	26.79	40.77	114.56	-1,190.03	-1,122.57	1,819.05	1,754.10	64.95	28.006		
5,700.00	5,625.97	5,758.92	5,461.29	27.27	41.42	114.65	-1,208.96	-1,126.48	1,834.12	1,768.01	66.11	27.744		
5,800.00	5,724.51	5,896.38	5,597.71	27.76	42.07	114.85	-1,225.50	-1,129.50	1,847.29	1,780.01	67.28	27.458		
5,900.00	5,823.05	6,011.89	5,712.69	28.24	42.56	115.10	-1,236.37	-1,130.94	1,858.71	1,790.43	68.29	27.219		
6,000.00	5,921.59	6,110.90	5,811.30	28.73	42.97	115.33	-1,245.24	-1,132.16	1,870.05	1,800.84	69.21	27.020		
6,100.00	6,020.13	6,198.45	5,898.54	29.22	43.33	115.55	-1,252.45	-1,133.59	1,881.59	1,811.52	70.07	26.853		
6,200.00	6,118.67	6,284.65	5,984.44	29.70	43.68	115.77	-1,259.26	-1,135.81	1,893.94	1,823.02	70.91	26.708		
6,300.00	6,217.21	6,387.97	6,087.45	30.19	44.08	116.08	-1,266.45	-1,139.11	1,906.63	1,834.80	71.83	26.544		
6,400.00	6,315.75	6,508.29	6,207.57	30.68	44.51	116.50	-1,272.31	-1,142.74	1,918.61	1,845.80	72.80	26.354		
6,500.00	6,414.29	6,614.09	6,313.29	31.16	44.85	116.92	-1,275.28	-1,145.70	1,929.85	1,856.18	73.67	26.195		
6,582.51	6,495.60	6,695.33	6,394.49	31.57	45.08	117.29	-1,276.08	-1,148.26	1,939.07	1,864.73	74.35	26.081		
6,600.00	6,512.86	6,712.47	6,411.62	31.65	45.13	109.89	-1,276.09	-1,148.85	1,940.81	1,866.32	74.49	26.055		
6,650.00	6,562.39	6,761.68	6,460.80	31.88	45.26	79.76	-1,275.84	-1,150.62	1,943.23	1,868.36	74.87	25.954		
6,700.00	6,611.96	6,813.66	6,512.73	32.08	45.39	47.09	-1,275.17	-1,152.57	1,941.86	1,866.63	75.23	25.811		
6,750.00	6,661.26	6,869.26	6,568.28	32.27	45.52	26.46	-1,274.06	-1,154.67	1,936.64	1,861.06	75.58	25.622		
6,800.00	6,709.99	6,933.99	6,632.94	32.44	45.67	15.17	-1,272.08	-1,156.88	1,927.36	1,851.42	75.94	25.381		
6,850.00	6,757.84	7,001.08	6,699.97	32.61	45.82	8.47	-1,270.00	-1,158.54	1,913.95	1,837.67	76.28	25.092		
6,900.00	6,804.53	7,064.87	6,763.76	32.77	45.98	3.96	-1,269.16	-1,159.18	1,896.47	1,819.87	76.60	24.759		
6,950.00	6,849.77	7,124.95	6,823.83	32.92	46.15	0.57	-1,269.79	-1,158.90	1,875.12	1,798.23	76.90	24.385		
7,000.00	6,893.27	7,165.34	6,864.21	33.07	46.28	-2.21	-1,270.50	-1,158.51	1,850.30	1,773.16	77.15	23.985		
7,050.00	6,934.77	7,205.41	6,904.28	33.23	46.40	-4.67	-1,271.06	-1,158.20	1,822.31	1,744.93	77.37	23.552		
7,100.00	6,974.01	7,233.03	6,931.90	33.39	46.48	-6.99	-1,271.37	-1,158.10	1,791.42	1,713.87	77.55	23.101		
7,150.00	7,010.75	7,258.48	6,957.35	33.55	46.56	-9.32	-1,271.58	-1,158.20	1,757.94	1,680.24	77.70	22.625		
7,200.00	7,044.77	7,282.38	6,981.25	33.72	46.63	-11.82	-1,271.72	-1,158.47	1,722.03	1,644.20	77.83	22.126		
7,250.00	7,075.85	7,307.53	7,006.38	33.92	46.70	-14.67	-1,271.81	-1,158.92	1,683.87	1,605.92	77.95	21.603		
7,300.00	7,103.80	7,335.48	7,034.34	34.13	46.78	-18.11	-1,271.89	-1,159.46	1,643.56	1,565.49	78.06	21.054		
7,350.00	7,128.45	7,360.31	7,059.16	34.38	46.85	-22.37	-1,271.96	-1,159.96	1,601.31	1,523.16	78.16	20.489		
7,400.00	7,149.65	7,381.86	7,080.70	34.67	46.91	-27.79	-1,272.01	-1,160.40	1,557.41	1,479.18	78.23	19.908		
7,450.00	7,167.26	7,399.99	7,098.83	35.00	46.97	-34.83	-1,272.03	-1,160.78	1,512.14	1,433.86	78.28	19.316		
7,500.00	7,181.19	7,414.61	7,113.45	35.38	47.01	-44.02	-1,272.03	-1,161.10	1,465.80	1,387.48	78.32	18.715		
7,550.00	7,191.34	7,425.62	7,124.45	35.81	47.04	-55.73	-1,272.02	-1,161.35	1,418.69	1,340.35	78.34	18.109		
7,600.00	7,197.65	7,432.91	7,131.74	36.28	47.06	-69.64	-1,272.00	-1,161.52	1,371.13	1,292.78	78.35	17.500		
7,650.00	7,200.08	7,436.44	7,135.27	36.80	47.07	-84.29	-1,271.99	-1,161.60	1,323.45	1,245.10	78.34	16.893		
7,667.87	7,200.00	7,436.77	7,135.60	36.99	47.07	-89.32	-1,271.98	-1,161.61	1,306.44	1,228.10	78.34	16.676		
7,700.00	7,199.42	7,436.93	7,135.76	37.35	47.07	-89.34	-1,271.98	-1,161.61	1,275.93	1,197.59	78.33	16.288		
7,800.00	7,197.60	7,437.44	7,136.27	38.62	47.07	-89.41	-1,271.98	-1,161.62	1,181.52	1,103.18	78.34	15.082		
7,900.00	7,195.78	7,437.96	7,136.79	40.06	47.07	-89.48	-1,271.98	-1,161.63	1,088.11	1,009.71	78.40	13.879		
8,000.00	7,193.97	7,438.47	7,137.30	41.66	47.07	-89.56	-1,271.98	-1,161.65	995.97	917.44	78.54	12.681		
8,100.00	7,192.15	7,439.00	7,137.83	43.40	47.07	-89.63	-1,271.98	-1,161.66	905.51	826.72	78.79	11.492		
8,200.00	7,190.33	7,439.52	7,138.35	45.25	47.08	-89.71	-1,271.98	-1,161.67	817.28	738.06	79.22	10.317		
8,300.00	7,188.51	7,440.06	7,138.89	47.20	47.08	-89.78	-1,271.97	-1,161.68	732.07	652.17	79.90	9.163		
8,400.00	7,186.70	7,440.60	7,139.42	49.25	47.08	-89.86	-1,271.97	-1,161.70	651.08	570.16	80.93	8.045		
8,500.00	7,184.88	7,441.14	7,139.97	51.37	47.08	-89.93	-1,271.97	-1,161.71	576.11	493.68	82.43	6.989		
8,600.00	7,183.06	7,441.69	7,140.52	53.56	47.08	-90.01	-1,271.97	-1,161.72	509.79	425.27	84.52	6.032		
8,700.00	7,181.24	7,442.24	7,141.07	55.81	47.08	-90.09	-1,271.97	-1,161.73	455.92	368.67	87.26	5.225		
8,800.00	7,179.43	7,442.80	7,141.63	58.11	47.09	-90.17	-1,271.96	-1,161.75	419.34	328.76	90.58	4.629		
8,900.00	7,177.61	7,443.37	7,142.20	60.46	47.09	-90.25	-1,271.96	-1,161.76	404.76	310.61	94.15	4.299		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,910.09	7,177.43	7,443.42	7,142.25	60.70	47.09	-90.26	-1,271.96	-1,161.76	404.64	310.14	94.50	4.282 CC, ES		
9,000.00	7,175.79	7,443.94	7,142.77	62.85	47.09	-90.33	-1,271.96	-1,161.78	414.51	317.39	97.12	4.268 SF		
9,100.00	7,173.98	7,444.51	7,143.34	65.28	47.09	-90.41	-1,271.96	-1,161.79	446.99	348.38	98.61	4.533		
9,200.00	7,172.16	7,445.10	7,143.92	67.74	47.09	-90.50	-1,271.95	-1,161.80	497.77	399.19	98.59	5.049		
9,300.00	7,170.34	7,445.68	7,144.51	70.23	47.09	-90.58	-1,271.95	-1,161.82	561.93	464.29	97.64	5.755		
9,400.00	7,168.52	7,446.28	7,145.11	72.74	47.10	-90.66	-1,271.95	-1,161.83	635.41	539.10	96.31	6.598		
9,500.00	7,166.71	7,446.88	7,145.71	75.28	47.10	-90.75	-1,271.95	-1,161.85	715.35	620.41	94.93	7.535		
9,600.00	7,164.89	7,447.49	7,146.31	77.84	47.10	-90.83	-1,271.94	-1,161.86	799.81	706.16	93.65	8.540		
9,700.00	7,163.07	7,448.10	7,146.93	80.43	47.10	-90.92	-1,271.94	-1,161.87	887.51	794.99	92.52	9.593		
9,800.00	7,161.26	7,448.72	7,147.55	83.02	47.10	-91.01	-1,271.94	-1,161.89	977.58	886.04	91.53	10.680		
9,900.00	7,159.44	7,449.34	7,148.17	85.64	47.10	-91.10	-1,271.93	-1,161.90	1,069.41	978.72	90.69	11.792		
10,000.00	7,157.62	7,449.98	7,148.80	88.27	47.11	-91.19	-1,271.93	-1,161.92	1,162.59	1,072.62	89.96	12.923		
10,100.00	7,155.80	7,450.62	7,149.44	90.91	47.11	-91.28	-1,271.93	-1,161.93	1,256.81	1,167.48	89.34	14.068		
10,200.00	7,153.99	7,451.26	7,150.09	93.56	47.11	-91.37	-1,271.93	-1,161.95	1,351.87	1,263.07	88.80	15.224		
10,300.00	7,152.17	7,451.91	7,150.74	96.23	47.11	-91.46	-1,271.92	-1,161.97	1,447.59	1,359.26	88.34	16.387		
10,400.00	7,150.35	7,452.57	7,151.40	98.90	47.11	-91.55	-1,271.92	-1,161.98	1,543.86	1,455.93	87.93	17.557		
10,500.00	7,148.54	7,453.24	7,152.07	101.59	47.11	-91.65	-1,271.92	-1,162.00	1,640.57	1,552.99	87.58	18.732		
10,600.00	7,146.72	7,453.92	7,152.74	104.28	47.12	-91.74	-1,271.91	-1,162.01	1,737.65	1,650.38	87.27	19.911		
10,700.00	7,144.90	7,454.60	7,153.42	106.98	47.12	-91.84	-1,271.91	-1,162.03	1,835.05	1,748.05	87.00	21.092		
10,800.00	7,143.08	7,455.29	7,154.11	109.69	47.12	-91.94	-1,271.90	-1,162.05	1,932.71	1,845.95	86.76	22.276		
10,900.00	7,141.27	7,455.98	7,154.81	112.41	47.12	-92.04	-1,271.90	-1,162.06	2,030.60	1,944.05	86.55	23.461		
11,000.00	7,139.45	7,456.69	7,155.51	115.13	47.12	-92.14	-1,271.90	-1,162.08	2,128.69	2,042.32	86.37	24.647		
11,100.00	7,137.63	7,457.40	7,156.22	117.86	47.13	-92.24	-1,271.89	-1,162.10	2,226.95	2,140.74	86.20	25.834		
11,200.00	7,135.82	7,458.12	7,156.94	120.59	47.13	-92.34	-1,271.89	-1,162.12	2,325.35	2,239.30	86.06	27.022		
11,300.00	7,134.00	7,458.85	7,157.67	123.33	47.13	-92.44	-1,271.89	-1,162.13	2,423.89	2,337.96	85.93	28.209		
11,400.00	7,132.18	7,459.59	7,158.41	126.07	47.13	-92.55	-1,271.88	-1,162.15	2,522.54	2,436.72	85.81	29.397		
11,500.00	7,130.36	7,460.33	7,159.15	128.82	47.13	-92.65	-1,271.88	-1,162.17	2,621.29	2,535.58	85.71	30.584		
11,600.00	7,128.55	7,461.08	7,159.91	131.57	47.14	-92.76	-1,271.87	-1,162.19	2,720.13	2,634.51	85.62	31.770		
11,700.00	7,126.73	7,461.85	7,160.67	134.33	47.14	-92.87	-1,271.87	-1,162.21	2,819.06	2,733.52	85.54	32.956		
11,800.00	7,124.91	7,462.62	7,161.44	137.09	47.14	-92.97	-1,271.86	-1,162.23	2,918.05	2,832.58	85.47	34.141		
11,900.00	7,123.10	7,463.40	7,162.22	139.85	47.14	-93.08	-1,271.86	-1,162.25	3,017.12	2,931.71	85.41	35.325		
12,000.00	7,121.28	7,464.19	7,163.01	142.62	47.15	-93.20	-1,271.85	-1,162.27	3,116.24	3,030.88	85.36	36.508		
12,100.00	7,119.46	7,464.99	7,163.81	145.39	47.15	-93.31	-1,271.85	-1,162.29	3,215.42	3,130.11	85.31	37.691		
12,200.00	7,117.64	7,465.80	7,164.62	148.16	47.15	-93.42	-1,271.84	-1,162.31	3,314.64	3,229.37	85.27	38.871		
12,300.00	7,115.83	7,466.61	7,165.43	150.94	47.15	-93.54	-1,271.84	-1,162.33	3,413.92	3,328.68	85.24	40.051		
12,400.00	7,114.01	7,467.44	7,166.26	153.72	47.15	-93.66	-1,271.83	-1,162.35	3,513.23	3,428.02	85.21	41.229		
12,500.00	7,112.19	7,468.28	7,167.10	156.50	47.16	-93.77	-1,271.83	-1,162.37	3,612.58	3,527.39	85.19	42.405		
12,600.00	7,110.37	7,469.13	7,167.95	159.28	47.16	-93.89	-1,271.82	-1,162.39	3,711.96	3,626.79	85.17	43.581		
12,700.00	7,108.56	7,469.99	7,168.81	162.07	47.16	-94.01	-1,271.82	-1,162.41	3,811.38	3,726.22	85.16	44.754		
12,800.00	7,106.74	7,470.86	7,169.68	164.86	47.16	-94.14	-1,271.81	-1,162.43	3,910.83	3,825.67	85.16	45.926		
12,900.00	7,104.92	7,471.74	7,170.56	167.65	47.17	-94.26	-1,271.80	-1,162.45	4,010.30	3,925.15	85.15	47.096		
13,000.00	7,103.11	7,472.63	7,171.45	170.44	47.17	-94.39	-1,271.80	-1,162.48	4,109.80	4,024.65	85.15	48.264		
13,100.00	7,101.29	7,473.55	7,172.37	173.23	47.17	-94.57	-1,271.79	-1,162.51	4,209.33	4,124.17	85.16	49.431		
13,200.00	7,099.47	7,475.64	7,174.46	176.03	47.18	-94.81	-1,271.77	-1,162.55	4,308.87	4,223.71	85.16	50.595		
13,300.00	7,097.65	7,477.42	7,176.24	178.82	47.18	-95.06	-1,271.76	-1,162.60	4,408.44	4,323.26	85.17	51.758		
13,400.00	7,095.84	7,479.32	7,178.13	181.62	47.19	-95.33	-1,271.74	-1,162.65	4,508.02	4,422.83	85.19	52.919		
13,500.00	7,094.02	7,481.32	7,180.14	184.42	47.19	-95.61	-1,271.73	-1,162.70	4,607.62	4,522.42	85.20	54.077		
13,600.00	7,092.20	7,483.45	7,182.27	187.22	47.20	-95.91	-1,271.71	-1,162.75	4,707.24	4,622.02	85.22	55.234		
13,700.00	7,090.39	7,485.72	7,184.54	190.03	47.20	-96.23	-1,271.68	-1,162.82	4,806.88	4,721.63	85.25	56.388		
13,800.00	7,088.57	7,488.14	7,186.96	192.83	47.21	-96.57	-1,271.66	-1,162.88	4,906.52	4,821.25	85.27	57.540		
13,900.00	7,086.75	7,490.73	7,189.54	195.64	47.22	-96.93	-1,271.63	-1,162.95	5,006.19	4,920.89	85.30	58.690		
14,000.00	7,084.93	7,493.50	7,192.31	198.44	47.22	-97.32	-1,271.60	-1,163.03	5,105.86	5,020.53	85.33	59.838		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #25-5 - 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	
14,100.00	7,083.12	7,496.48	7,195.29	201.25	47.23	-97.73	-1,271.56	-1,163.11	5,205.55	5,120.19	85.36	60.983	
14,200.00	7,081.30	7,499.68	7,198.49	204.06	47.24	-98.18	-1,271.52	-1,163.20	5,305.25	5,219.85	85.40	62.125	
14,300.00	7,079.48	7,503.14	7,201.95	206.87	47.25	-98.66	-1,271.47	-1,163.30	5,404.95	5,319.52	85.43	63.266	
14,400.00	7,077.67	7,506.89	7,205.69	209.68	47.26	-99.18	-1,271.41	-1,163.41	5,504.67	5,419.20	85.47	64.403	
14,500.00	7,075.85	7,510.96	7,209.77	212.49	47.27	-99.74	-1,271.35	-1,163.53	5,604.40	5,518.89	85.51	65.538	
14,600.00	7,074.03	7,515.41	7,214.21	215.31	47.28	-100.35	-1,271.27	-1,163.66	5,704.14	5,618.58	85.56	66.671	
14,700.00	7,072.21	7,520.27	7,219.07	218.12	47.29	-101.02	-1,271.18	-1,163.81	5,803.88	5,718.28	85.60	67.800	
14,800.00	7,070.40	7,525.63	7,224.42	220.93	47.31	-101.76	-1,271.08	-1,163.97	5,903.63	5,817.98	85.65	68.927	
14,900.00	7,068.58	7,531.54	7,230.33	223.75	47.32	-102.56	-1,270.96	-1,164.16	6,003.39	5,917.69	85.70	70.051	
15,000.00	7,066.76	7,538.11	7,236.89	226.57	47.34	-103.45	-1,270.81	-1,164.38	6,103.16	6,017.41	85.75	71.172	
15,100.00	7,064.95	7,545.45	7,244.23	229.38	47.36	-104.44	-1,270.64	-1,164.62	6,202.93	6,117.12	85.81	72.290	
15,200.00	7,063.13	7,553.71	7,252.48	232.20	47.38	-105.54	-1,270.42	-1,164.90	6,302.71	6,216.84	85.86	73.404	
15,300.00	7,061.31	7,563.06	7,261.82	235.02	47.40	-106.78	-1,270.16	-1,165.23	6,402.49	6,316.57	85.92	74.515	
15,400.00	7,059.49	7,573.74	7,272.49	237.84	47.43	-108.17	-1,269.84	-1,165.62	6,502.27	6,416.29	85.98	75.623	
15,500.00	7,057.68	15,500.00	7,225.64	240.66	68.54	-101.93	-1,270.84	-1,164.12	6,601.99	6,495.46	106.53	61.975	
15,600.00	7,055.86	15,600.00	7,226.82	243.48	68.83	-102.09	-1,270.82	-1,164.15	6,701.80	6,594.96	106.84	62.729	
15,647.29	7,055.00	15,647.29	7,227.38	244.81	68.96	-102.17	-1,270.81	-1,164.17	6,749.00	6,642.01	106.98	63.084	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-66.75	408.40	-950.36	1,035.09					
100.00	100.00	59.88	59.88	3.28	3.29	-66.75	408.41	-950.40	1,034.44	1,027.87	6.57	157.386 CC, ES		
200.00	200.00	155.26	155.26	3.34	3.34	-66.75	408.47	-950.82	1,034.87	1,028.19	6.68	154.908		
300.00	300.00	255.46	255.45	3.44	3.45	-66.71	409.47	-951.10	1,035.52	1,028.62	6.90	150.123		
400.00	399.98	345.15	345.09	3.60	3.59	157.46	412.44	-950.95	1,038.29	1,031.09	7.19	144.382		
500.00	499.84	437.71	437.45	3.79	3.78	157.82	418.35	-950.35	1,045.10	1,037.53	7.57	138.032		
600.00	599.45	525.13	524.43	4.03	3.99	158.36	427.08	-949.20	1,056.09	1,048.07	8.02	131.635		
700.00	698.70	610.45	608.95	4.30	4.23	159.05	438.60	-947.71	1,071.58	1,063.04	8.54	125.442		
790.00	787.61	682.90	680.42	4.57	4.47	159.74	450.42	-946.43	1,089.59	1,080.53	9.05	120.343		
800.00	797.47	690.84	688.23	4.60	4.50	159.83	451.81	-946.31	1,091.82	1,082.70	9.12	119.756		
900.00	896.01	778.36	774.26	4.94	4.83	160.89	467.85	-945.03	1,114.83	1,105.08	9.75	114.323		
1,000.00	994.55	870.04	864.19	5.30	5.20	162.00	485.60	-943.70	1,138.76	1,128.31	10.44	109.042		
1,100.00	1,093.09	962.79	954.83	5.68	5.62	163.17	505.12	-941.48	1,163.16	1,151.97	11.19	103.948		
1,200.00	1,191.63	1,046.85	1,036.57	6.08	6.04	164.28	524.56	-938.87	1,188.52	1,176.58	11.94	99.553		
1,300.00	1,290.17	1,127.17	1,114.15	6.49	6.47	165.39	545.13	-936.02	1,215.32	1,202.62	12.70	95.682		
1,400.00	1,388.71	1,197.07	1,181.19	6.91	6.87	166.40	564.75	-933.43	1,243.93	1,230.50	13.43	92.617		
1,500.00	1,487.25	1,266.17	1,246.85	7.34	7.30	167.44	586.17	-931.18	1,275.03	1,260.86	14.17	89.987		
1,600.00	1,585.79	1,346.65	1,322.74	7.77	7.83	168.67	612.78	-928.28	1,307.77	1,292.76	15.00	87.182		
1,700.00	1,684.34	1,424.92	1,396.31	8.22	8.37	169.85	639.40	-925.66	1,341.93	1,326.10	15.83	84.782		
1,800.00	1,782.88	1,514.84	1,480.93	8.66	9.00	171.11	669.71	-923.28	1,377.08	1,360.33	16.75	82.234		
1,900.00	1,881.42	1,610.53	1,571.33	9.12	9.68	172.35	701.01	-921.19	1,412.55	1,394.84	17.71	79.770		
2,000.00	1,979.96	1,703.21	1,659.15	9.57	10.33	173.46	730.56	-919.52	1,448.28	1,429.64	18.64	77.682		
2,100.00	2,078.50	1,796.15	1,747.66	10.03	10.98	174.46	758.89	-918.53	1,484.07	1,464.49	19.57	75.817		
2,200.00	2,177.04	1,870.19	1,818.22	10.49	11.50	175.20	781.35	-918.53	1,520.83	1,500.48	20.35	74.742		
2,300.00	2,275.58	1,981.98	1,924.69	10.95	12.29	176.28	815.41	-918.30	1,557.93	1,536.50	21.43	72.703		
2,400.00	2,374.12	2,112.27	2,049.58	11.42	13.19	177.43	852.46	-916.53	1,593.14	1,570.49	22.65	70.330		
2,500.00	2,472.66	2,204.99	2,138.61	11.89	13.82	178.22	878.27	-914.22	1,627.57	1,603.99	23.58	69.027		
2,600.00	2,571.20	2,334.57	2,263.35	12.36	14.69	179.25	913.09	-910.47	1,661.36	1,636.57	24.79	67.015		
2,700.00	2,669.74	2,425.44	2,351.17	12.83	15.29	179.92	936.24	-907.29	1,694.04	1,668.34	25.69	65.932		
2,800.00	2,768.28	2,492.90	2,416.22	13.30	15.74	-179.60	954.03	-905.39	1,727.95	1,701.54	26.41	65.421		
2,900.00	2,866.83	2,578.23	2,498.15	13.78	16.33	-178.96	977.70	-902.72	1,762.87	1,735.59	27.28	64.621		
3,000.00	2,965.37	2,634.73	2,552.03	14.25	16.75	-178.52	994.57	-900.58	1,799.11	1,771.20	27.91	64.451		
3,100.00	3,063.91	2,693.64	2,607.78	14.73	17.19	-178.04	1,013.50	-898.36	1,837.24	1,808.67	28.56	64.326		
3,200.00	3,162.45	2,758.57	2,668.82	15.20	17.69	-177.51	1,035.48	-896.14	1,877.05	1,847.79	29.26	64.154		
3,300.00	3,260.99	2,879.27	2,783.00	15.68	18.61	-176.63	1,074.48	-893.33	1,916.58	1,886.11	30.47	62.896		
3,400.00	3,359.53	2,973.52	2,872.71	16.16	19.31	-176.02	1,103.37	-892.07	1,955.72	1,924.30	31.42	62.239		
3,500.00	3,458.07	3,086.77	2,980.78	16.64	20.13	-175.36	1,137.21	-890.81	1,994.62	1,962.09	32.54	61.303		
3,600.00	3,556.61	3,183.50	3,073.53	17.12	20.82	-174.85	1,164.65	-890.11	2,032.71	1,999.22	33.49	60.693		
3,700.00	3,655.15	3,289.45	3,175.15	17.60	21.57	-174.30	1,194.62	-888.83	2,070.60	2,036.07	34.53	59.968		
3,800.00	3,753.69	3,390.43	3,272.13	18.08	22.27	-173.80	1,222.70	-887.16	2,107.99	2,072.47	35.52	59.347		
3,900.00	3,852.23	3,521.11	3,398.14	18.56	23.16	-173.24	1,257.26	-886.22	2,145.17	2,108.42	36.75	58.376		
4,000.00	3,950.77	3,650.70	3,524.15	19.04	23.98	-172.78	1,287.54	-885.35	2,179.81	2,141.88	37.93	57.462		
4,100.00	4,049.31	3,724.22	3,595.51	19.52	24.46	-172.50	1,305.15	-884.19	2,214.54	2,175.86	38.68	57.257		
4,200.00	4,147.86	3,799.58	3,668.46	20.00	24.96	-172.21	1,324.00	-882.80	2,250.03	2,210.59	39.44	57.054		
4,300.00	4,246.40	3,899.71	3,765.50	20.49	25.61	-171.86	1,348.66	-882.08	2,285.92	2,245.52	40.39	56.592		
4,400.00	4,344.94	4,394.65	4,254.87	20.97	26.00	-171.11	1,414.38	-878.20	2,311.10	2,267.44	43.65	52.941		
4,500.00	4,443.48	4,533.35	4,393.54	21.45	28.44	-171.16	1,417.21	-878.28	2,329.73	2,285.13	44.60	52.236		
4,600.00	4,542.02	4,640.66	4,500.84	21.94	28.74	-171.25	1,417.03	-879.22	2,346.92	2,301.51	45.40	51.689		
4,700.00	4,640.56	4,759.80	4,619.94	22.42	29.05	-171.40	1,415.03	-881.41	2,363.45	2,317.22	46.23	51.122		
4,800.00	4,739.10	4,857.49	4,717.60	22.91	29.31	-171.52	1,412.97	-883.13	2,379.60	2,332.61	46.99	50.636		
4,900.00	4,837.64	4,949.99	4,810.08	23.39	29.57	-171.62	1,411.52	-884.18	2,395.85	2,348.10	47.75	50.178		
5,000.00	4,936.18	5,040.07	4,900.14	23.87	29.82	-171.71	1,410.42	-885.32	2,412.45	2,363.95	48.50	49.745		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	5,131.52	4,991.58	24.36	30.08	-171.80	1,409.63	-886.51	2,429.36	2,380.11	49.26	49.320		
5,200.00	5,133.26	5,217.40	5,077.46	24.84	30.34	-171.88	1,409.25	-887.67	2,446.65	2,396.65	50.00	48.930		
5,300.00	5,231.80	5,302.28	5,162.32	25.33	30.60	-171.95	1,409.32	-889.05	2,464.51	2,413.77	50.75	48.564		
5,400.00	5,330.34	5,393.14	5,253.17	25.82	30.88	-172.03	1,409.70	-890.73	2,482.78	2,431.26	51.52	48.190		
5,500.00	5,428.89	5,492.91	5,352.92	26.30	31.20	-172.11	1,410.27	-892.66	2,501.22	2,448.89	52.33	47.797		
5,600.00	5,527.43	5,592.76	5,452.75	26.79	31.52	-172.19	1,410.76	-894.43	2,519.50	2,466.36	53.14	47.411		
5,700.00	5,625.97	5,686.65	5,546.61	27.27	31.83	-172.28	1,410.99	-896.55	2,537.89	2,483.96	53.93	47.059		
5,800.00	5,724.51	5,775.82	5,635.76	27.76	32.12	-172.36	1,411.36	-898.77	2,556.54	2,501.84	54.70	46.736		
5,900.00	5,823.05	5,864.40	5,724.31	28.24	32.41	-172.43	1,412.26	-900.78	2,575.55	2,520.08	55.47	46.430		
6,000.00	5,921.59	5,952.50	5,812.37	28.73	32.71	-172.50	1,413.37	-903.05	2,594.94	2,538.69	56.24	46.138		
6,100.00	6,020.13	6,089.61	5,949.45	29.22	33.18	-172.59	1,414.92	-905.69	2,613.86	2,556.63	57.23	45.670		
6,200.00	6,118.67	6,180.75	6,040.57	29.70	33.50	-172.64	1,415.77	-906.62	2,632.09	2,574.06	58.03	45.359		
6,300.00	6,217.21	6,266.16	6,125.97	30.19	33.80	-172.69	1,416.73	-907.79	2,650.67	2,591.88	58.80	45.081		
6,400.00	6,315.75	6,346.95	6,206.74	30.68	34.08	-172.74	1,418.00	-909.23	2,669.86	2,610.31	59.54	44.838		
6,500.00	6,414.29	6,439.54	6,299.30	31.16	34.42	-172.79	1,419.80	-911.14	2,689.49	2,629.15	60.35	44.567		
6,582.51	6,495.60	6,544.55	6,404.26	31.57	34.79	-172.85	1,421.75	-913.19	2,705.64	2,644.50	61.15	44.249		
6,600.00	6,512.86	6,576.38	6,436.09	31.65	34.91	179.39	1,422.11	-913.62	2,708.76	2,647.40	61.36	44.147		
6,650.00	6,562.39	6,655.04	6,514.75	31.88	35.18	148.53	1,422.49	-914.18	2,715.67	2,653.78	61.89	43.881		
6,700.00	6,611.96	6,719.75	6,579.46	32.08	35.40	115.51	1,422.63	-914.07	2,719.96	2,657.62	62.33	43.636		
6,750.00	6,661.26	6,784.02	6,643.73	32.27	35.62	94.89	1,422.71	-913.46	2,721.68	2,658.93	62.76	43.370		
6,800.00	6,709.99	6,821.99	6,681.69	32.44	35.75	83.81	1,422.78	-913.16	2,721.19	2,658.14	63.05	43.158		
6,850.00	6,757.84	6,866.35	6,726.05	32.61	35.90	77.69	1,422.87	-912.82	2,718.51	2,655.15	63.36	42.907		
6,900.00	6,804.53	6,910.87	6,770.57	32.77	36.06	74.19	1,422.99	-912.52	2,713.72	2,650.07	63.65	42.633		
6,950.00	6,849.77	6,955.91	6,815.61	32.92	36.21	72.26	1,423.12	-912.23	2,706.87	2,642.93	63.94	42.336		
7,000.00	6,893.27	6,999.20	6,858.90	33.07	36.36	71.33	1,423.24	-911.95	2,698.04	2,633.83	64.21	42.021		
7,050.00	6,934.77	7,040.47	6,900.17	33.23	36.50	71.13	1,423.35	-911.69	2,687.37	2,622.91	64.46	41.688		
7,100.00	6,974.01	7,072.46	6,932.16	33.39	36.62	71.37	1,423.47	-911.55	2,675.07	2,610.38	64.69	41.353		
7,150.00	7,010.75	7,104.01	6,963.71	33.55	36.73	72.04	1,423.61	-911.47	2,661.29	2,596.37	64.92	40.996		
7,200.00	7,044.77	7,133.33	6,993.02	33.72	36.83	73.05	1,423.77	-911.46	2,646.19	2,581.04	65.15	40.618		
7,250.00	7,075.85	7,160.22	7,019.92	33.92	36.93	74.34	1,423.93	-911.50	2,629.93	2,564.54	65.39	40.218		
7,300.00	7,103.80	7,189.99	7,049.68	34.13	37.04	75.95	1,424.12	-911.57	2,612.65	2,546.97	65.68	39.779		
7,350.00	7,128.45	7,216.34	7,076.03	34.38	37.13	77.74	1,424.28	-911.60	2,594.52	2,528.53	65.99	39.318		
7,400.00	7,149.65	7,238.95	7,098.64	34.67	37.21	79.65	1,424.41	-911.61	2,575.73	2,509.41	66.32	38.836		
7,450.00	7,167.26	7,257.68	7,117.38	35.00	37.28	81.63	1,424.52	-911.61	2,556.48	2,489.80	66.69	38.334		
7,500.00	7,181.19	7,272.45	7,132.14	35.38	37.33	83.65	1,424.59	-911.60	2,536.97	2,469.88	67.09	37.815		
7,550.00	7,191.34	7,283.16	7,142.85	35.81	37.37	85.66	1,424.65	-911.59	2,517.36	2,449.83	67.52	37.281		
7,600.00	7,197.65	7,289.78	7,149.47	36.28	37.40	87.62	1,424.68	-911.58	2,497.83	2,429.84	67.99	36.738		
7,650.00	7,200.08	7,292.27	7,151.96	36.80	37.40	89.52	1,424.70	-911.58	2,478.53	2,410.05	68.49	36.190		
7,667.87	7,200.00	7,292.16	7,151.85	36.99	37.40	90.17	1,424.70	-911.58	2,471.72	2,403.05	68.67	35.993		
7,700.00	7,199.42	7,291.50	7,151.19	37.35	37.40	90.16	1,424.69	-911.58	2,459.70	2,390.68	69.02	35.639		
7,800.00	7,197.60	7,289.43	7,149.12	38.62	37.39	90.10	1,424.68	-911.58	2,424.63	2,354.39	70.24	34.519		
7,900.00	7,195.78	7,287.38	7,147.07	40.06	37.39	90.05	1,424.67	-911.59	2,393.22	2,321.55	71.67	33.394		
8,000.00	7,193.97	7,285.34	7,145.03	41.66	37.38	90.00	1,424.66	-911.59	2,365.62	2,292.35	73.28	32.283		
8,100.00	7,192.15	7,283.31	7,143.00	43.40	37.37	89.95	1,424.65	-911.59	2,341.97	2,266.92	75.05	31.205		
8,200.00	7,190.33	7,281.30	7,140.99	45.25	37.36	89.90	1,424.64	-911.59	2,322.39	2,245.43	76.97	30.174		
8,300.00	7,188.51	7,279.29	7,138.99	47.20	37.36	89.85	1,424.63	-911.60	2,306.98	2,227.98	78.99	29.204		
8,400.00	7,186.70	7,277.30	7,136.99	49.25	37.35	89.80	1,424.62	-911.60	2,295.82	2,214.71	81.11	28.304		
8,500.00	7,184.88	7,275.32	7,135.02	51.37	37.34	89.75	1,424.61	-911.60	2,288.98	2,205.69	83.29	27.482		
8,600.00	7,183.06	7,273.36	7,133.05	53.56	37.34	89.70	1,424.60	-911.60	2,286.50	2,200.99	85.51	26.741		
8,606.88	7,182.94	7,273.22	7,132.91	53.71	37.34	89.70	1,424.60	-911.60	2,286.49	2,200.82	85.66	26.692		
8,700.00	7,181.24	7,271.40	7,131.09	55.81	37.33	89.65	1,424.59	-911.60	2,288.38	2,200.65	87.73	26.084		
8,800.00	7,179.43	7,269.46	7,129.15	58.11	37.32	89.60	1,424.58	-911.60	2,294.62	2,204.68	89.95	25.511		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,177.61	7,267.53	7,127.22	60.46	37.31	89.56	1,424.57	-911.61	2,305.19	2,213.06	92.13	25.021		
9,000.00	7,175.79	7,265.60	7,125.30	62.85	37.31	89.51	1,424.56	-911.61	2,320.02	2,225.76	94.26	24.613		
9,100.00	7,173.98	7,263.70	7,123.39	65.28	37.30	89.46	1,424.55	-911.61	2,339.04	2,242.71	96.32	24.283		
9,200.00	7,172.16	7,261.80	7,121.49	67.74	37.29	89.41	1,424.54	-911.61	2,362.14	2,263.83	98.31	24.028		
9,300.00	7,170.34	7,259.91	7,119.60	70.23	37.29	89.37	1,424.53	-911.61	2,389.20	2,289.00	100.20	23.845		
9,400.00	7,168.52	7,258.03	7,117.73	72.74	37.28	89.32	1,424.52	-911.61	2,420.09	2,318.10	101.99	23.729		
9,500.00	7,166.71	7,256.17	7,115.86	75.28	37.27	89.27	1,424.51	-911.61	2,454.67	2,350.99	103.68	23.676 SF		
9,600.00	7,164.89	7,254.31	7,114.01	77.84	37.27	89.22	1,424.50	-911.61	2,492.78	2,387.52	105.26	23.683		
9,700.00	7,163.07	7,252.47	7,112.16	80.43	37.26	89.18	1,424.49	-911.61	2,534.27	2,427.54	106.72	23.746		
9,800.00	7,161.26	7,250.64	7,110.33	83.02	37.25	89.13	1,424.48	-911.61	2,578.96	2,470.88	108.09	23.860		
9,900.00	7,159.44	7,248.82	7,108.51	85.64	37.25	89.09	1,424.47	-911.61	2,626.71	2,517.36	109.34	24.023		
10,000.00	7,157.62	7,247.00	7,106.70	88.27	37.24	89.04	1,424.46	-911.61	2,677.33	2,566.84	110.49	24.231		
10,100.00	7,155.80	7,245.20	7,104.90	90.91	37.23	89.00	1,424.45	-911.61	2,730.68	2,619.14	111.55	24.480		
10,200.00	7,153.99	7,243.41	7,103.11	93.56	37.23	88.95	1,424.44	-911.61	2,786.60	2,674.10	112.51	24.768		
10,300.00	7,152.17	7,241.63	7,101.32	96.23	37.22	88.91	1,424.43	-911.61	2,844.94	2,731.56	113.38	25.093		
10,400.00	7,150.35	7,239.86	7,099.55	98.90	37.22	88.86	1,424.42	-911.61	2,905.54	2,791.38	114.17	25.450		
10,500.00	7,148.54	7,238.10	7,097.79	101.59	37.21	88.82	1,424.41	-911.61	2,968.28	2,853.40	114.88	25.839		
10,600.00	7,146.72	7,236.35	7,096.04	104.28	37.20	88.77	1,424.40	-911.61	3,033.01	2,917.49	115.52	26.256		
10,700.00	7,144.90	7,234.61	7,094.30	106.98	37.20	88.73	1,424.39	-911.61	3,099.62	2,983.53	116.09	26.700		
10,800.00	7,143.08	7,232.88	7,092.57	109.69	37.19	88.69	1,424.38	-911.61	3,167.98	3,051.38	116.60	27.169		
10,900.00	7,141.27	7,231.16	7,090.85	112.41	37.18	88.64	1,424.37	-911.61	3,237.99	3,120.93	117.06	27.661		
11,000.00	7,139.45	7,229.44	7,089.14	115.13	37.18	88.60	1,424.36	-911.61	3,309.54	3,192.07	117.47	28.174		
11,100.00	7,137.63	7,227.74	7,087.43	117.86	37.17	88.56	1,424.35	-911.61	3,382.53	3,264.71	117.83	28.708		
11,200.00	7,135.82	7,226.05	7,085.74	120.59	37.17	88.52	1,424.34	-911.61	3,456.87	3,338.73	118.14	29.260		
11,300.00	7,134.00	7,224.36	7,084.06	123.33	37.16	88.47	1,424.33	-911.61	3,532.48	3,414.06	118.42	29.829		
11,400.00	7,132.18	7,222.69	7,082.38	126.07	37.15	88.43	1,424.32	-911.60	3,609.27	3,490.60	118.67	30.414		
11,500.00	7,130.36	7,221.03	7,080.72	128.82	37.15	88.39	1,424.31	-911.60	3,687.18	3,568.30	118.88	31.015		
11,600.00	7,128.55	7,219.37	7,079.06	131.57	37.14	88.35	1,424.30	-911.60	3,766.13	3,647.06	119.07	31.629		
11,700.00	7,126.73	7,217.72	7,077.42	134.33	37.14	88.31	1,424.29	-911.60	3,846.06	3,726.83	119.23	32.257		
11,800.00	7,124.91	7,216.09	7,075.78	137.09	37.13	88.27	1,424.28	-911.60	3,926.90	3,807.54	119.37	32.897		
11,900.00	7,123.10	7,214.46	7,074.15	139.85	37.12	88.23	1,424.27	-911.60	4,008.61	3,889.13	119.49	33.549		
12,000.00	7,121.28	7,212.84	7,072.53	142.62	37.12	88.19	1,424.26	-911.60	4,091.14	3,971.55	119.59	34.211		
12,100.00	7,119.46	7,211.23	7,070.92	145.39	37.11	88.15	1,424.25	-911.59	4,174.42	4,054.75	119.67	34.883		
12,200.00	7,117.64	7,209.62	7,069.32	148.16	37.11	88.11	1,424.24	-911.59	4,258.43	4,138.69	119.74	35.565		
12,300.00	7,115.83	7,208.03	7,067.72	150.94	37.10	88.07	1,424.23	-911.59	4,343.11	4,223.32	119.79	36.256		
12,400.00	7,114.01	7,206.44	7,066.14	153.72	37.09	88.03	1,424.22	-911.59	4,428.43	4,308.60	119.83	36.955		
12,500.00	7,112.19	7,204.87	7,064.56	156.50	37.09	87.99	1,424.21	-911.59	4,514.35	4,394.49	119.86	37.662		
12,600.00	7,110.37	7,203.30	7,062.99	159.28	37.08	87.95	1,424.20	-911.59	4,600.84	4,480.95	119.89	38.377		
12,700.00	7,108.56	7,201.74	7,061.43	162.07	37.08	87.91	1,424.19	-911.58	4,687.87	4,567.97	119.90	39.098		
12,800.00	7,106.74	7,200.19	7,059.88	164.86	37.07	87.87	1,424.18	-911.58	4,775.40	4,655.50	119.91	39.826		
12,900.00	7,104.92	7,198.64	7,058.34	167.65	37.07	87.83	1,424.17	-911.58	4,863.42	4,743.51	119.91	40.560		
13,000.00	7,103.11	7,197.11	7,056.80	170.44	37.06	87.79	1,424.16	-911.58	4,951.89	4,831.99	119.90	41.300		
13,100.00	7,101.29	7,195.58	7,055.27	173.23	37.06	87.75	1,424.16	-911.58	5,040.79	4,920.90	119.89	42.045		
13,200.00	7,099.47	7,194.06	7,053.76	176.03	37.05	87.72	1,424.15	-911.57	5,130.09	5,010.22	119.87	42.796		
13,300.00	7,097.65	7,192.55	7,052.24	178.82	37.04	87.68	1,424.14	-911.57	5,219.79	5,099.94	119.85	43.551		
13,400.00	7,095.84	7,191.05	7,050.74	181.62	37.04	87.64	1,424.13	-911.57	5,309.85	5,190.02	119.83	44.311		
13,500.00	7,094.02	7,189.55	7,049.25	184.42	37.03	87.60	1,424.12	-911.57	5,400.27	5,280.46	119.81	45.075		
13,600.00	7,092.20	7,188.06	7,047.76	187.22	37.03	87.57	1,424.11	-911.56	5,491.01	5,371.23	119.78	45.844		
13,700.00	7,090.39	7,186.58	7,046.28	190.03	37.02	87.53	1,424.10	-911.56	5,582.07	5,462.32	119.75	46.616		
13,800.00	7,088.57	7,185.11	7,044.81	192.83	37.02	87.49	1,424.09	-911.56	5,673.43	5,553.72	119.71	47.392		
13,900.00	7,086.75	7,183.65	7,043.34	195.64	37.01	87.46	1,424.08	-911.56	5,765.08	5,645.40	119.68	48.171		
14,000.00	7,084.93	7,182.19	7,041.88	198.44	37.01	87.42	1,424.07	-911.55	5,857.00	5,737.36	119.64	48.954		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	7,083.12	7,180.74	7,040.43	201.25	37.00	87.38	1,424.06	-911.55	5,949.18	5,829.57	119.61	49.739	
14,200.00	7,081.30	7,179.30	7,038.99	204.06	37.00	87.35	1,424.05	-911.55	6,041.61	5,922.04	119.57	50.528	
14,300.00	7,079.48	7,177.86	7,037.56	206.87	36.99	87.31	1,424.04	-911.54	6,134.27	6,014.74	119.53	51.319	
14,400.00	7,077.67	7,186.89	7,046.58	209.68	37.02	87.54	1,424.11	-911.59	6,227.15	6,107.62	119.53	52.098	
14,500.00	7,075.85	7,184.80	7,044.49	212.49	37.02	87.48	1,424.10	-911.58	6,320.26	6,200.78	119.49	52.895	
14,600.00	7,074.03	7,182.67	7,042.36	215.31	37.01	87.43	1,424.08	-911.58	6,413.58	6,294.14	119.45	53.694	
14,700.00	7,072.21	7,180.50	7,040.19	218.12	37.00	87.38	1,424.07	-911.57	6,507.10	6,387.69	119.41	54.496	
14,800.00	7,070.40	7,178.28	7,037.97	220.93	36.99	87.32	1,424.05	-911.56	6,600.80	6,481.44	119.36	55.300	
14,900.00	7,068.58	7,176.01	7,035.71	223.75	36.98	87.26	1,424.04	-911.55	6,694.69	6,575.37	119.32	56.105	
15,000.00	7,066.76	7,173.70	7,033.40	226.57	36.98	87.21	1,424.02	-911.54	6,788.75	6,669.47	119.28	56.913	
15,100.00	7,064.95	7,171.34	7,031.04	229.38	36.97	87.15	1,424.01	-911.54	6,882.98	6,763.74	119.24	57.722	
15,200.00	7,063.13	7,168.93	7,028.63	232.20	36.96	87.09	1,423.99	-911.53	6,977.37	6,858.17	119.20	58.533	
15,300.00	7,061.31	7,166.47	7,026.17	235.02	36.95	87.03	1,423.97	-911.52	7,071.91	6,952.75	119.16	59.346	
15,400.00	7,059.49	7,163.96	7,023.65	237.84	36.94	86.96	1,423.96	-911.51	7,166.60	7,047.48	119.13	60.160	
15,500.00	7,057.68	7,161.39	7,021.08	240.66	36.93	86.90	1,423.94	-911.51	7,261.44	7,142.35	119.09	60.976	
15,600.00	7,055.86	7,158.76	7,018.46	243.48	36.92	86.83	1,423.92	-911.50	7,356.40	7,237.35	119.05	61.793	
15,647.29	7,055.00	7,157.50	7,017.19	244.81	36.92	86.80	1,423.91	-911.50	7,401.36	7,282.33	119.03	62.180	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-68.13	377.80	-941.45	1,015.14					
100.00	100.00	57.48	57.48	3.28	3.29	-68.13	377.85	-941.53	1,014.53	1,007.96	6.57	154.369		
200.00	200.00	147.65	147.65	3.34	3.34	-68.13	378.30	-942.25	1,015.46	1,008.78	6.68	152.108		
300.00	300.00	263.44	263.41	3.44	3.46	-68.04	380.07	-942.62	1,016.36	1,009.45	6.91	147.103		
400.00	399.98	420.88	420.49	3.60	3.74	156.55	386.97	-935.19	1,015.37	1,008.01	7.36	137.916		
500.00	499.84	539.29	538.18	3.79	4.03	157.28	393.22	-923.84	1,013.35	1,005.50	7.85	129.139		
576.05	575.62	633.85	631.95	3.97	4.31	157.97	398.51	-912.88	1,012.77	1,004.47	8.30	122.023	CC, ES	
600.00	599.45	650.53	648.48	4.03	4.37	158.11	399.61	-910.87	1,012.95	1,004.55	8.40	120.530		
700.00	698.70	743.98	740.91	4.30	4.69	158.97	406.99	-899.20	1,016.15	1,007.18	8.98	113.190		
790.00	787.61	831.57	827.09	4.57	5.04	159.99	416.89	-887.09	1,022.28	1,012.71	9.57	106.786		
800.00	797.47	841.35	836.68	4.60	5.08	160.12	418.09	-885.69	1,023.13	1,013.49	9.65	106.077		
900.00	896.01	956.09	949.02	4.94	5.59	161.68	433.40	-868.05	1,031.52	1,021.05	10.46	98.569		
1,000.00	994.55	1,086.98	1,075.55	5.30	6.26	163.74	454.21	-841.91	1,037.62	1,026.16	11.47	90.501		
1,100.00	1,093.09	1,205.24	1,189.24	5.68	6.95	165.66	472.75	-815.17	1,042.28	1,029.79	12.49	83.457		
1,200.00	1,191.63	1,316.38	1,295.49	6.08	7.65	167.50	489.57	-787.26	1,045.32	1,031.79	13.53	77.279		
1,300.00	1,290.17	1,402.31	1,377.60	6.49	8.21	168.91	502.61	-765.52	1,049.14	1,034.69	14.46	72.578		
1,400.00	1,388.71	1,487.10	1,458.55	6.91	8.78	170.33	516.51	-744.50	1,054.87	1,039.46	15.41	68.454		
1,500.00	1,487.25	1,576.70	1,543.96	7.34	9.40	171.86	532.21	-722.41	1,062.23	1,045.80	16.43	64.649		
1,600.00	1,585.79	1,681.86	1,643.75	7.77	10.15	173.70	551.65	-695.54	1,070.42	1,052.82	17.60	60.830		
1,700.00	1,684.34	1,780.83	1,737.76	8.22	10.87	175.37	568.93	-669.90	1,078.68	1,059.94	18.74	57.569		
1,800.00	1,782.88	1,887.50	1,838.82	8.66	11.67	177.18	587.29	-641.10	1,086.90	1,066.94	19.96	54.455		
1,900.00	1,881.42	1,969.21	1,916.45	9.12	12.28	178.52	601.02	-619.65	1,096.31	1,075.31	21.00	52.201		
2,000.00	1,979.96	2,049.57	1,992.99	9.57	12.88	179.79	614.99	-599.52	1,107.79	1,085.76	22.03	50.293		
2,100.00	2,078.50	2,150.30	2,088.81	10.03	13.63	-178.62	632.99	-574.19	1,120.34	1,097.12	23.22	48.244		
2,200.00	2,177.04	2,244.16	2,178.25	10.49	14.33	-177.20	649.31	-550.88	1,133.55	1,109.19	24.36	46.528		
2,300.00	2,275.58	2,350.63	2,279.69	10.95	15.12	-175.63	667.60	-524.22	1,147.26	1,121.66	25.60	44.807		
2,400.00	2,374.12	2,443.30	2,368.38	11.42	15.80	-174.36	681.73	-501.36	1,160.46	1,133.74	26.72	43.426		
2,500.00	2,472.66	2,525.31	2,446.98	11.89	16.40	-173.27	695.17	-482.21	1,175.85	1,148.11	27.75	42.380		
2,600.00	2,571.20	2,645.05	2,561.33	12.36	17.29	-171.66	714.88	-452.68	1,191.25	1,162.15	29.10	40.936		
2,700.00	2,669.74	2,736.38	2,648.06	12.83	18.00	-170.39	729.81	-428.25	1,206.00	1,175.76	30.24	39.879		
2,800.00	2,768.28	2,821.17	2,728.70	13.30	18.65	-169.25	744.03	-406.27	1,222.17	1,190.86	31.31	39.031		
2,900.00	2,866.83	2,945.77	2,848.07	13.78	19.57	-167.76	762.88	-375.92	1,238.50	1,205.80	32.70	37.878		
3,000.00	2,965.37	3,025.25	2,924.53	14.25	20.13	-166.89	774.02	-357.34	1,254.76	1,221.09	33.68	37.260		
3,100.00	3,063.91	3,117.55	3,013.94	14.73	20.75	-166.00	786.12	-337.90	1,271.88	1,237.16	34.72	36.632		
3,200.00	3,162.45	3,203.38	3,097.81	15.20	21.27	-165.33	796.28	-322.80	1,289.89	1,254.23	35.66	36.171		
3,300.00	3,260.99	3,292.89	3,185.82	15.68	21.77	-164.78	806.07	-309.78	1,308.76	1,272.18	36.58	35.778		
3,400.00	3,359.53	3,381.42	3,273.32	16.16	22.22	-164.37	814.96	-299.61	1,328.42	1,290.97	37.45	35.473		
3,500.00	3,458.07	3,487.01	3,378.09	16.64	22.71	-164.04	824.11	-290.30	1,348.19	1,309.80	38.39	35.119		
3,600.00	3,556.61	3,603.66	3,494.30	17.12	23.19	-163.86	831.25	-283.18	1,367.06	1,327.71	39.34	34.746		
3,700.00	3,655.15	3,728.93	3,619.43	17.60	23.63	-163.88	834.76	-278.82	1,384.25	1,343.97	40.28	34.367		
3,800.00	3,753.69	3,832.11	3,722.58	18.08	23.97	-163.97	835.65	-276.18	1,400.19	1,359.12	41.07	34.093		
3,900.00	3,852.23	3,914.09	3,804.55	18.56	24.22	-164.08	836.20	-275.37	1,416.68	1,374.93	41.75	33.932		
4,000.00	3,950.77	4,014.32	3,904.77	19.04	24.52	-164.27	836.74	-275.58	1,433.64	1,391.13	42.50	33.730		
4,100.00	4,049.31	4,104.60	3,995.05	19.52	24.80	-164.43	837.52	-275.70	1,450.86	1,407.64	43.22	33.572		
4,200.00	4,147.86	4,194.54	4,084.97	20.00	25.08	-164.57	838.98	-275.80	1,468.73	1,424.79	43.93	33.431		
4,300.00	4,246.40	4,291.12	4,181.55	20.49	25.39	-164.71	840.73	-275.94	1,486.80	1,442.11	44.69	33.271		
4,400.00	4,344.94	4,381.79	4,272.19	20.97	25.68	-164.84	842.73	-276.34	1,505.35	1,459.93	45.41	33.148		
4,500.00	4,443.48	4,482.11	4,372.48	21.45	26.01	-164.99	844.94	-276.99	1,524.00	1,477.81	46.19	32.994		
4,600.00	4,542.02	4,581.40	4,471.75	21.94	26.33	-165.16	846.82	-277.92	1,542.54	1,495.58	46.96	32.847		
4,700.00	4,640.56	4,678.20	4,568.52	22.42	26.64	-165.32	848.54	-279.05	1,561.10	1,513.39	47.72	32.716		
4,800.00	4,739.10	4,784.00	4,674.30	22.91	26.97	-165.51	850.18	-280.55	1,579.62	1,531.09	48.52	32.555		
4,900.00	4,837.64	4,938.62	4,828.91	23.39	27.45	-165.78	850.01	-281.41	1,596.45	1,546.90	49.55	32.219		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,936.18	5,049.27	4,939.52	23.87	27.81	-165.91	847.88	-279.21	1,610.28	1,559.90	50.37	31.967		
5,100.00	5,034.72	5,137.48	5,027.71	24.36	28.10	-166.01	846.56	-277.52	1,624.58	1,573.48	51.10	31.789		
5,200.00	5,133.26	5,224.19	5,114.40	24.84	28.38	-166.12	845.72	-276.31	1,639.59	1,587.76	51.83	31.635		
5,300.00	5,231.80	5,325.73	5,215.94	25.33	28.71	-166.25	844.90	-275.43	1,655.01	1,602.40	52.62	31.453		
5,400.00	5,330.34	5,420.88	5,311.08	25.82	29.03	-166.36	844.19	-274.27	1,670.32	1,616.93	53.39	31.287		
5,500.00	5,428.89	5,513.70	5,403.88	26.30	29.36	-166.45	843.98	-272.89	1,685.94	1,631.78	54.15	31.132		
5,600.00	5,527.43	5,593.51	5,483.69	26.79	29.64	-166.54	844.17	-272.22	1,702.28	1,647.43	54.85	31.034		
5,700.00	5,625.97	5,681.92	5,572.09	27.27	29.96	-166.63	845.05	-271.90	1,719.51	1,663.91	55.60	30.927		
5,800.00	5,724.51	5,768.28	5,658.45	27.76	30.27	-166.72	846.39	-271.78	1,737.32	1,680.99	56.33	30.840		
5,900.00	5,823.05	5,863.40	5,753.55	28.24	30.61	-166.82	848.18	-272.03	1,755.64	1,698.52	57.12	30.736		
6,000.00	5,921.59	5,959.51	5,849.64	28.73	30.95	-166.93	849.92	-272.60	1,774.05	1,716.14	57.91	30.635		
6,100.00	6,020.13	6,094.89	5,985.01	29.22	31.41	-167.14	850.23	-274.13	1,791.39	1,732.48	58.91	30.410		
6,200.00	6,118.67	6,222.45	6,112.55	29.70	31.83	-167.34	848.46	-274.81	1,807.12	1,747.28	59.83	30.202		
6,300.00	6,217.21	6,302.94	6,193.03	30.19	32.10	-167.45	847.34	-274.60	1,822.45	1,761.92	60.53	30.110		
6,400.00	6,315.75	6,379.93	6,270.02	30.68	32.37	-167.55	846.99	-274.90	1,838.90	1,777.70	61.20	30.049		
6,500.00	6,414.29	6,466.10	6,356.18	31.16	32.66	-167.68	847.16	-276.02	1,856.36	1,794.44	61.92	29.981		
6,582.51	6,495.60	6,538.00	6,428.07	31.57	32.91	-167.78	847.51	-277.22	1,871.15	1,808.64	62.52	29.930		
6,600.00	6,512.86	6,552.95	6,443.01	31.65	32.97	-175.56	847.64	-277.48	1,874.23	1,811.59	62.64	29.920		
6,650.00	6,562.39	6,595.51	6,485.57	31.88	33.12	153.46	848.12	-278.21	1,881.81	1,818.82	62.99	29.875		
6,700.00	6,611.96	6,637.34	6,527.39	32.08	33.26	120.27	848.74	-279.00	1,887.59	1,824.26	63.32	29.809		
6,750.00	6,661.26	6,678.93	6,568.96	32.27	33.41	99.44	849.49	-279.90	1,891.56	1,827.91	63.64	29.721		
6,800.00	6,709.99	6,719.62	6,609.63	32.44	33.56	88.23	850.37	-280.87	1,893.74	1,829.79	63.95	29.613		
6,850.00	6,757.84	6,759.66	6,649.64	32.61	33.70	81.95	851.38	-281.91	1,894.16	1,829.92	64.24	29.485		
6,900.00	6,804.53	6,801.35	6,691.30	32.77	33.85	78.29	852.57	-283.04	1,892.86	1,828.32	64.55	29.326		
6,950.00	6,849.77	6,841.97	6,731.89	32.92	34.00	76.18	853.85	-284.15	1,889.89	1,825.05	64.84	29.147		
7,000.00	6,893.27	6,890.89	6,780.76	33.07	34.18	75.20	855.47	-285.43	1,885.26	1,820.06	65.20	28.915		
7,050.00	6,934.77	6,941.04	6,830.88	33.23	34.36	75.02	857.05	-286.43	1,878.91	1,813.33	65.58	28.652		
7,100.00	6,974.01	6,974.97	6,864.78	33.39	34.49	75.11	858.13	-287.03	1,871.16	1,805.31	65.86	28.413		
7,150.00	7,010.75	7,006.35	6,896.14	33.55	34.61	75.57	859.20	-287.66	1,862.35	1,796.21	66.14	28.159		
7,200.00	7,044.77	7,035.76	6,925.52	33.72	34.72	76.32	860.28	-288.30	1,852.63	1,786.20	66.43	27.887		
7,250.00	7,075.85	7,063.42	6,953.16	33.92	34.82	77.31	861.37	-288.92	1,842.18	1,775.43	66.75	27.597		
7,300.00	7,103.80	7,088.40	6,978.10	34.13	34.92	78.44	862.40	-289.48	1,831.18	1,764.08	67.10	27.291		
7,350.00	7,128.45	7,110.53	7,000.21	34.38	35.00	79.67	863.37	-289.97	1,819.81	1,752.33	67.47	26.971		
7,400.00	7,149.65	7,130.82	7,020.47	34.67	35.08	80.98	864.28	-290.42	1,808.25	1,740.36	67.89	26.634		
7,450.00	7,167.26	7,149.09	7,038.72	35.00	35.14	82.33	865.11	-290.85	1,796.68	1,728.32	68.36	26.284		
7,500.00	7,181.19	7,163.87	7,053.48	35.38	35.20	83.65	865.77	-291.22	1,785.26	1,716.40	68.86	25.927		
7,550.00	7,191.34	7,175.05	7,064.65	35.81	35.24	84.88	866.27	-291.50	1,774.15	1,704.76	69.39	25.567		
7,600.00	7,197.65	7,182.52	7,072.11	36.28	35.27	86.01	866.61	-291.69	1,763.52	1,693.56	69.96	25.208		
7,650.00	7,200.08	7,186.20	7,075.78	36.80	35.28	87.01	866.77	-291.79	1,753.47	1,682.92	70.54	24.857		
7,667.87	7,200.00	7,186.58	7,076.16	36.99	35.29	87.34	866.79	-291.80	1,750.04	1,679.28	70.76	24.733		
7,700.00	7,199.42	7,186.82	7,076.40	37.35	35.29	87.35	866.80	-291.81	1,744.24	1,673.08	71.15	24.514		
7,800.00	7,197.60	7,187.58	7,077.16	38.62	35.29	87.37	866.83	-291.83	1,729.88	1,657.38	72.50	23.862		
7,900.00	7,195.78	7,188.35	7,077.93	40.06	35.29	87.40	866.87	-291.85	1,721.22	1,647.26	73.97	23.270		
7,999.37	7,193.98	7,189.13	7,078.71	41.65	35.30	87.42	866.90	-291.87	1,718.35	1,642.84	75.52	22.754		
8,000.00	7,193.97	7,189.14	7,078.71	41.66	35.30	87.42	866.90	-291.87	1,718.35	1,642.83	75.53	22.751		
8,100.00	7,192.15	7,189.93	7,079.50	43.40	35.30	87.45	866.94	-291.89	1,721.30	1,644.16	77.14	22.315		
8,200.00	7,190.33	7,190.73	7,080.31	45.25	35.30	87.48	866.97	-291.91	1,730.03	1,651.27	78.75	21.968		
8,300.00	7,188.51	7,191.55	7,081.12	47.20	35.31	87.50	867.01	-291.93	1,744.45	1,664.11	80.35	21.712		
8,400.00	7,186.70	7,192.37	7,081.95	49.25	35.31	87.53	867.04	-291.96	1,764.44	1,682.55	81.88	21.548		
8,500.00	7,184.88	7,193.21	7,082.78	51.37	35.31	87.56	867.08	-291.98	1,789.79	1,706.44	83.35	21.474 SF		
8,600.00	7,183.06	7,194.06	7,083.63	53.56	35.31	87.59	867.12	-292.00	1,820.29	1,735.58	84.72	21.486		
8,700.00	7,181.24	7,194.93	7,084.50	55.81	35.32	87.62	867.16	-292.02	1,855.69	1,769.70	85.99	21.581		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,179.43	7,195.80	7,085.37	58.11	35.32	87.64	867.20	-292.05	1,895.71	1,808.56	87.15	21.752		
8,900.00	7,177.61	7,196.69	7,086.26	60.46	35.32	87.67	867.24	-292.07	1,940.06	1,851.85	88.21	21.995		
9,000.00	7,175.79	7,197.59	7,087.16	62.85	35.33	87.70	867.28	-292.10	1,988.45	1,899.29	89.16	22.303		
9,100.00	7,173.98	7,198.51	7,088.07	65.28	35.33	87.73	867.32	-292.12	2,040.60	1,950.59	90.01	22.672		
9,200.00	7,172.16	7,199.43	7,089.00	67.74	35.33	87.77	867.36	-292.15	2,096.22	2,005.46	90.76	23.096		
9,300.00	7,170.34	7,200.38	7,089.94	70.23	35.34	87.80	867.40	-292.17	2,155.05	2,063.63	91.43	23.571		
9,400.00	7,168.52	7,201.33	7,090.89	72.74	35.34	87.83	867.44	-292.20	2,216.84	2,124.82	92.02	24.092		
9,500.00	7,166.71	7,202.30	7,091.86	75.28	35.35	87.86	867.48	-292.23	2,281.33	2,188.80	92.53	24.655		
9,600.00	7,164.89	7,203.29	7,092.85	77.84	35.35	87.89	867.53	-292.25	2,348.31	2,255.33	92.98	25.256		
9,700.00	7,163.07	7,204.29	7,093.85	80.43	35.35	87.93	867.57	-292.28	2,417.58	2,324.20	93.37	25.891		
9,800.00	7,161.26	7,205.31	7,094.86	83.02	35.36	87.96	867.62	-292.31	2,488.93	2,395.21	93.72	26.558		
9,900.00	7,159.44	7,206.34	7,095.90	85.64	35.36	88.00	867.66	-292.34	2,562.20	2,468.19	94.01	27.254		
10,000.00	7,157.62	7,207.39	7,096.94	88.27	35.36	88.03	867.71	-292.37	2,637.23	2,542.96	94.27	27.975		
10,100.00	7,155.80	7,208.46	7,098.01	90.91	35.37	88.07	867.76	-292.40	2,713.86	2,619.37	94.49	28.721		
10,200.00	7,153.99	7,209.54	7,099.09	93.56	35.37	88.10	867.80	-292.43	2,791.98	2,697.30	94.68	29.488		
10,300.00	7,152.17	7,210.64	7,100.19	96.23	35.38	88.14	867.85	-292.46	2,871.45	2,776.61	94.85	30.275		
10,400.00	7,150.35	7,211.76	7,101.31	98.90	35.38	88.18	867.90	-292.49	2,952.17	2,857.19	94.99	31.080		
10,500.00	7,148.54	7,212.90	7,102.45	101.59	35.39	88.21	867.95	-292.52	3,034.04	2,938.94	95.11	31.901		
10,600.00	7,146.72	7,214.06	7,103.60	104.28	35.39	88.25	868.00	-292.56	3,116.97	3,021.76	95.21	32.738		
10,700.00	7,144.90	7,215.24	7,104.78	106.98	35.39	88.29	868.06	-292.59	3,200.87	3,105.57	95.30	33.588		
10,800.00	7,143.08	7,216.43	7,105.97	109.69	35.40	88.33	868.11	-292.62	3,285.68	3,190.30	95.37	34.451		
10,900.00	7,141.27	7,217.65	7,107.19	112.41	35.40	88.37	868.16	-292.66	3,371.31	3,275.88	95.44	35.326		
11,000.00	7,139.45	7,218.89	7,108.43	115.13	35.41	88.41	868.22	-292.69	3,457.72	3,362.23	95.49	36.211		
11,100.00	7,137.63	7,220.15	7,109.68	117.86	35.41	88.46	868.27	-292.73	3,544.84	3,449.31	95.53	37.106		
11,200.00	7,135.82	7,221.43	7,110.96	120.59	35.42	88.50	868.33	-292.77	3,632.62	3,537.06	95.57	38.011		
11,300.00	7,134.00	7,222.74	7,112.27	123.33	35.42	88.54	868.39	-292.80	3,721.02	3,625.43	95.60	38.923		
11,400.00	7,132.18	7,224.07	7,113.59	126.07	35.43	88.59	868.44	-292.84	3,810.00	3,714.37	95.62	39.843		
11,500.00	7,130.36	7,225.42	7,114.94	128.82	35.43	88.63	868.50	-292.88	3,899.51	3,803.86	95.65	40.771		
11,600.00	7,128.55	7,226.79	7,116.32	131.57	35.44	88.68	868.56	-292.92	3,989.51	3,893.85	95.66	41.704		
11,700.00	7,126.73	7,228.20	7,117.72	134.33	35.44	88.72	868.63	-292.96	4,079.98	3,984.31	95.68	42.644		
11,800.00	7,124.91	7,224.39	7,113.92	137.09	35.43	88.60	868.45	-292.84	4,170.90	4,075.24	95.66	43.600		
11,900.00	7,123.10	7,225.23	7,114.76	139.85	35.43	88.63	868.48	-292.86	4,262.21	4,166.54	95.67	44.551		
12,000.00	7,121.28	7,226.07	7,115.60	142.62	35.43	88.65	868.52	-292.89	4,353.91	4,258.24	95.67	45.508		
12,100.00	7,119.46	7,226.90	7,116.43	145.39	35.44	88.68	868.55	-292.91	4,445.96	4,350.29	95.68	46.469		
12,200.00	7,117.64	7,227.72	7,117.24	148.16	35.44	88.71	868.59	-292.93	4,538.35	4,442.68	95.68	47.434		
12,300.00	7,115.83	7,228.53	7,118.05	150.94	35.44	88.74	868.62	-292.95	4,631.06	4,535.38	95.68	48.403		
12,400.00	7,114.01	7,229.33	7,118.86	153.72	35.45	88.76	868.66	-292.97	4,724.06	4,628.39	95.68	49.375		
12,500.00	7,112.19	7,230.13	7,119.65	156.50	35.45	88.79	868.69	-293.00	4,817.35	4,721.67	95.68	50.351		
12,600.00	7,110.37	7,230.92	7,120.44	159.28	35.45	88.82	868.72	-293.02	4,910.89	4,815.22	95.67	51.329		
12,700.00	7,108.56	7,231.70	7,121.22	162.07	35.46	88.84	868.75	-293.04	5,004.69	4,909.02	95.67	52.310		
12,800.00	7,106.74	7,232.47	7,121.99	164.86	35.46	88.87	868.79	-293.06	5,098.72	5,003.05	95.67	53.294		
12,900.00	7,104.92	7,233.23	7,122.75	167.65	35.46	88.89	868.82	-293.08	5,192.98	5,097.31	95.67	54.280		
13,000.00	7,103.11	7,233.99	7,123.51	170.44	35.46	88.92	868.85	-293.10	5,287.45	5,191.78	95.67	55.268		
13,100.00	7,101.29	7,234.74	7,124.26	173.23	35.47	88.94	868.88	-293.12	5,382.11	5,286.44	95.67	56.258		
13,200.00	7,099.47	7,235.48	7,125.00	176.03	35.47	88.97	868.91	-293.14	5,476.97	5,381.30	95.67	57.250		
13,300.00	7,097.65	7,236.22	7,125.73	178.82	35.47	88.99	868.94	-293.16	5,572.00	5,476.34	95.67	58.243		
13,400.00	7,095.84	7,236.95	7,126.46	181.62	35.48	89.02	868.97	-293.18	5,667.21	5,571.54	95.67	59.238		
13,500.00	7,094.02	7,237.67	7,127.18	184.42	35.48	89.04	869.00	-293.20	5,762.58	5,666.91	95.67	60.234		
13,600.00	7,092.20	7,238.38	7,127.89	187.22	35.48	89.06	869.03	-293.22	5,858.10	5,762.43	95.67	61.231		
13,700.00	7,090.39	7,239.09	7,128.60	190.03	35.48	89.09	869.06	-293.24	5,953.77	5,858.10	95.68	62.229		
13,800.00	7,088.57	7,239.79	7,129.30	192.83	35.49	89.11	869.09	-293.26	6,049.58	5,953.90	95.68	63.228		
13,900.00	7,086.75	7,240.49	7,130.00	195.64	35.49	89.13	869.11	-293.27	6,145.53	6,049.84	95.68	64.228		

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 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,084.93	7,241.17	7,130.68	198.44	35.49	89.16	869.14	-293.29	6,241.60	6,145.91	95.69	65.228		
14,100.00	7,083.12	7,241.86	7,131.37	201.25	35.49	89.18	869.17	-293.31	6,337.79	6,242.09	95.69	66.229		
14,200.00	7,081.30	7,242.53	7,132.04	204.06	35.50	89.20	869.20	-293.33	6,434.10	6,338.40	95.70	67.231		
14,300.00	7,079.48	7,243.20	7,132.71	206.87	35.50	89.22	869.22	-293.35	6,530.52	6,434.81	95.71	68.233		
14,400.00	7,077.67	7,243.87	7,133.37	209.68	35.50	89.25	869.25	-293.36	6,627.04	6,531.32	95.72	69.235		
14,500.00	7,075.85	7,244.52	7,134.03	212.49	35.50	89.27	869.28	-293.38	6,723.67	6,627.94	95.73	70.238		
14,600.00	7,074.03	7,245.18	7,134.68	215.31	35.51	89.29	869.30	-293.40	6,820.39	6,724.65	95.74	71.240		
14,700.00	7,072.21	7,245.82	7,135.33	218.12	35.51	89.31	869.33	-293.41	6,917.21	6,821.46	95.75	72.243		
14,800.00	7,070.40	7,246.46	7,135.96	220.93	35.51	89.33	869.35	-293.43	7,014.11	6,918.35	95.76	73.246		
14,900.00	7,068.58	7,247.10	7,136.60	223.75	35.51	89.35	869.38	-293.45	7,111.11	7,015.33	95.77	74.248		
15,000.00	7,066.76	7,247.73	7,137.23	226.57	35.52	89.38	869.40	-293.46	7,208.18	7,112.39	95.79	75.251		
15,100.00	7,064.95	7,248.35	7,137.85	229.38	35.52	89.40	869.43	-293.48	7,305.33	7,209.53	95.80	76.253		
15,200.00	7,063.13	7,248.97	7,138.47	232.20	35.52	89.42	869.45	-293.50	7,402.56	7,306.74	95.82	77.255		
15,300.00	7,061.31	7,249.58	7,139.08	235.02	35.52	89.44	869.48	-293.51	7,499.86	7,404.03	95.84	78.256		
15,400.00	7,059.49	7,250.19	7,139.68	237.84	35.53	89.46	869.50	-293.53	7,597.23	7,501.38	95.86	79.257		
15,500.00	7,057.68	7,250.79	7,140.29	240.66	35.53	89.48	869.53	-293.54	7,694.67	7,598.80	95.87	80.258		
15,600.00	7,055.86	7,251.38	7,140.88	243.48	35.53	89.50	869.55	-293.56	7,792.18	7,696.28	95.89	81.258		
15,647.29	7,055.00	7,251.67	7,141.16	244.81	35.53	89.51	869.56	-293.57	7,838.31	7,742.41	95.90	81.731		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - WIEDEMAN #4-5 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-67.43	393.10	-945.63	1,024.86					
100.00	100.00	55.99	55.99	3.28	3.29	-67.42	393.20	-945.67	1,024.16	1,017.59	6.57	155.846	CC, ES	
200.00	200.00	146.87	146.87	3.34	3.34	-67.38	394.12	-946.11	1,025.00	1,018.33	6.67	153.561		
300.00	300.00	243.78	243.75	3.44	3.44	-67.30	396.01	-946.88	1,026.48	1,019.60	6.89	149.054		
400.00	399.98	327.93	327.86	3.60	3.57	156.79	398.25	-948.03	1,030.39	1,023.21	7.17	143.629		
500.00	499.84	400.06	399.91	3.79	3.71	156.89	400.98	-950.24	1,039.53	1,032.01	7.52	138.171		
600.00	599.45	471.86	471.49	4.03	3.87	157.02	404.98	-954.12	1,054.65	1,046.71	7.94	132.836		
700.00	698.70	544.93	544.18	4.30	4.06	157.20	410.17	-959.39	1,075.26	1,066.85	8.41	127.862		
790.00	787.61	607.69	606.47	4.57	4.24	157.33	415.08	-965.28	1,098.52	1,089.66	8.86	123.949		
800.00	797.47	614.00	612.72	4.60	4.26	157.36	415.59	-965.95	1,101.36	1,092.45	8.92	123.492		
900.00	896.01	691.55	689.50	4.94	4.52	157.75	421.90	-974.91	1,130.74	1,121.28	9.45	119.599		
1,000.00	994.55	767.46	764.46	5.30	4.79	158.10	428.47	-984.87	1,161.73	1,151.72	10.01	116.013		
1,100.00	1,093.09	854.80	850.55	5.68	5.14	158.50	436.60	-997.14	1,193.85	1,183.22	10.63	112.302		
1,200.00	1,191.63	927.74	922.34	6.08	5.45	158.78	443.11	-1,008.27	1,226.96	1,215.74	11.22	109.320		
1,300.00	1,290.17	982.00	975.53	6.49	5.69	158.91	447.04	-1,018.21	1,262.23	1,250.47	11.76	107.369		
1,400.00	1,388.71	1,042.43	1,034.40	6.91	5.99	159.01	451.44	-1,031.12	1,300.08	1,287.77	12.31	105.593		
1,500.00	1,487.25	1,097.66	1,087.76	7.34	6.28	159.10	456.28	-1,044.51	1,340.78	1,327.94	12.84	104.385		
1,600.00	1,585.79	1,158.00	1,145.67	7.77	6.62	159.19	462.08	-1,060.45	1,383.69	1,370.30	13.40	103.274		
1,700.00	1,684.34	1,257.56	1,240.99	8.22	7.23	159.31	471.68	-1,087.53	1,427.32	1,413.16	14.17	100.759		
1,800.00	1,782.88	1,319.21	1,299.89	8.66	7.62	159.39	477.96	-1,104.64	1,471.57	1,456.83	14.74	99.836		
1,900.00	1,881.42	1,413.14	1,389.43	9.12	8.25	159.58	489.38	-1,130.58	1,516.61	1,501.10	15.51	97.779		
2,000.00	1,979.96	1,478.23	1,451.43	9.57	8.70	159.76	498.57	-1,148.11	1,561.95	1,545.83	16.11	96.932		
2,100.00	2,078.50	1,543.86	1,513.60	10.03	9.17	159.92	508.17	-1,166.84	1,608.79	1,592.06	16.72	96.211		
2,200.00	2,177.04	1,621.94	1,587.28	10.49	9.76	160.11	520.11	-1,189.74	1,656.59	1,639.17	17.42	95.111		
2,300.00	2,275.58	1,727.05	1,686.62	10.95	10.55	160.41	537.24	-1,219.55	1,704.06	1,685.75	18.31	93.048		
2,400.00	2,374.12	1,831.85	1,785.94	11.42	11.35	160.76	555.44	-1,247.56	1,750.72	1,731.50	19.22	91.098		
2,500.00	2,472.66	1,930.06	1,879.24	11.89	12.08	161.10	573.17	-1,272.56	1,796.66	1,776.58	20.08	89.463		
2,600.00	2,571.20	2,041.90	1,985.76	12.36	12.92	161.47	592.80	-1,300.46	1,842.03	1,820.97	21.05	87.489		
2,700.00	2,669.74	2,105.51	2,046.37	12.83	13.40	161.66	603.84	-1,316.29	1,887.30	1,865.62	21.68	87.071		
2,800.00	2,768.28	2,210.44	2,146.10	13.30	14.20	161.96	622.10	-1,343.33	1,933.39	1,910.78	22.61	85.504		
2,900.00	2,866.83	2,301.16	2,232.65	13.78	14.88	162.17	636.76	-1,366.23	1,978.44	1,954.99	23.44	84.389		
3,000.00	2,965.37	2,368.25	2,296.54	14.25	15.40	162.31	647.34	-1,383.74	2,024.03	1,999.93	24.10	83.995		
3,100.00	3,063.91	2,445.28	2,369.63	14.73	16.00	162.48	660.52	-1,404.17	2,070.56	2,045.73	24.83	83.394		
3,200.00	3,162.45	2,517.99	2,438.57	15.20	16.58	162.65	673.23	-1,423.44	2,117.34	2,091.81	25.53	82.944		
3,300.00	3,260.99	2,578.00	2,495.16	15.68	17.07	162.81	684.91	-1,439.65	2,165.36	2,139.24	26.12	82.901		
3,400.00	3,359.53	2,631.55	2,545.37	16.16	17.52	162.97	696.35	-1,454.33	2,214.62	2,187.96	26.66	83.084		
3,500.00	3,458.07	3,175.82	3,066.74	16.64	21.36	164.84	805.06	-1,558.73	2,264.15	2,233.33	30.82	73.468		
3,600.00	3,556.61	3,513.39	3,402.30	17.12	22.82	165.42	829.30	-1,583.49	2,289.86	2,257.02	32.84	69.721		
3,700.00	3,655.15	3,707.19	3,596.01	17.60	23.43	165.60	830.65	-1,588.34	2,308.42	2,274.40	34.02	67.860		
3,800.00	3,753.69	3,817.59	3,706.38	18.08	23.74	165.66	829.31	-1,590.02	2,325.57	2,290.69	34.88	66.680		
3,900.00	3,852.23	3,920.32	3,809.09	18.56	24.03	165.72	827.84	-1,591.19	2,342.29	2,306.58	35.71	65.592		
4,000.00	3,950.77	4,015.42	3,904.17	19.04	24.31	165.77	826.07	-1,592.42	2,358.91	2,322.39	36.52	64.589		
4,100.00	4,049.31	4,090.00	3,978.71	19.52	24.53	165.79	824.51	-1,594.13	2,376.24	2,338.97	37.27	63.760		
4,200.00	4,147.86	4,197.00	4,085.67	20.00	24.86	165.83	822.95	-1,596.76	2,394.07	2,355.93	38.14	62.777		
4,300.00	4,246.40	4,321.64	4,210.30	20.49	25.24	165.97	823.40	-1,596.49	2,410.49	2,371.44	39.05	61.726		
4,400.00	4,344.94	4,415.45	4,304.10	20.97	25.53	166.10	824.73	-1,595.63	2,427.01	2,387.14	39.86	60.884		
4,500.00	4,443.48	4,503.19	4,391.82	21.45	25.81	166.22	826.09	-1,594.96	2,443.74	2,403.08	40.66	60.103		
4,600.00	4,542.02	4,598.70	4,487.32	21.94	26.13	166.35	827.79	-1,594.60	2,460.92	2,419.43	41.49	59.317		
4,700.00	4,640.56	4,691.55	4,580.15	22.42	26.43	166.48	829.52	-1,594.21	2,478.12	2,435.81	42.31	58.571		
4,800.00	4,739.10	4,858.60	4,747.18	22.91	26.95	166.66	829.60	-1,592.27	2,493.48	2,450.11	43.37	57.488		
4,900.00	4,837.64	4,941.81	4,830.38	23.39	27.20	166.74	828.93	-1,591.07	2,508.44	2,464.29	44.14	56.823		
5,000.00	4,936.18	5,024.04	4,912.60	23.87	27.45	166.82	828.69	-1,590.28	2,524.06	2,479.15	44.91	56.198		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	5,108.81	4,997.37	24.36	27.73	166.89	828.62	-1,589.97	2,540.29	2,494.60	45.70	55.588		
5,200.00	5,133.26	5,191.99	5,080.55	24.84	28.01	166.97	828.73	-1,590.05	2,557.04	2,510.56	46.49	55.005		
5,300.00	5,231.80	5,278.90	5,167.45	25.33	28.31	167.04	829.16	-1,590.65	2,574.47	2,527.17	47.30	54.430		
5,400.00	5,330.34	5,371.16	5,259.72	25.82	28.64	167.12	829.35	-1,591.52	2,591.96	2,543.83	48.13	53.851		
5,500.00	5,428.89	5,446.57	5,335.11	26.30	28.91	167.17	829.67	-1,592.78	2,610.17	2,561.28	48.89	53.386		
5,600.00	5,527.43	5,525.31	5,413.82	26.79	29.20	167.24	830.70	-1,594.44	2,629.22	2,579.55	49.67	52.938		
5,700.00	5,625.97	5,719.47	5,607.94	27.27	29.91	167.43	833.59	-1,596.15	2,647.92	2,596.99	50.93	51.992		
5,800.00	5,724.51	5,817.64	5,706.11	27.76	30.23	167.51	833.18	-1,595.24	2,663.56	2,611.80	51.76	51.457		
5,900.00	5,823.05	5,897.56	5,786.02	28.24	30.49	167.57	832.89	-1,595.04	2,679.78	2,627.25	52.53	51.013		
6,000.00	5,921.59	5,985.60	5,874.06	28.73	30.80	167.64	832.71	-1,595.24	2,696.49	2,643.15	53.34	50.553		
6,100.00	6,020.13	6,069.66	5,958.12	29.22	31.10	167.70	832.73	-1,595.75	2,713.64	2,659.50	54.14	50.123		
6,200.00	6,118.67	6,141.00	6,029.45	29.70	31.36	167.75	833.08	-1,596.53	2,731.48	2,676.60	54.88	49.771		
6,300.00	6,217.21	6,216.72	6,105.15	30.19	31.65	167.80	833.90	-1,597.89	2,750.22	2,694.58	55.64	49.428		
6,400.00	6,315.75	6,297.19	6,185.59	30.68	31.97	167.87	835.39	-1,599.77	2,769.79	2,713.37	56.42	49.091		
6,500.00	6,414.29	6,503.53	6,391.89	31.16	32.73	168.03	836.93	-1,601.38	2,787.23	2,729.45	57.78	48.236		
6,582.51	6,495.60	6,568.01	6,456.36	31.57	32.96	168.06	836.07	-1,601.71	2,800.71	2,742.30	58.42	47.945		
6,600.00	6,512.86	6,582.00	6,470.35	31.65	33.00	160.41	835.91	-1,601.82	2,803.44	2,744.89	58.55	47.881		
6,650.00	6,562.39	6,693.18	6,581.52	31.88	33.39	129.87	834.08	-1,601.53	2,808.43	2,749.21	59.22	47.426		
6,700.00	6,611.96	6,752.54	6,640.86	32.08	33.58	97.10	832.87	-1,600.71	2,809.76	2,750.10	59.66	47.100		
6,750.00	6,661.26	6,793.08	6,681.38	32.27	33.72	76.61	832.14	-1,600.06	2,807.88	2,747.87	60.01	46.792		
6,800.00	6,709.99	6,829.57	6,717.87	32.44	33.84	65.72	831.74	-1,599.48	2,803.06	2,742.73	60.33	46.465		
6,850.00	6,757.84	6,865.92	6,754.21	32.61	33.97	59.74	831.58	-1,598.93	2,795.35	2,734.72	60.63	46.106		
6,900.00	6,804.53	6,902.22	6,790.51	32.77	34.10	56.38	831.53	-1,598.46	2,784.81	2,723.89	60.92	45.715		
6,950.00	6,849.77	6,937.41	6,825.70	32.92	34.22	54.56	831.57	-1,598.11	2,771.50	2,710.31	61.19	45.296		
7,000.00	6,893.27	6,974.66	6,862.95	33.07	34.36	53.81	831.70	-1,597.81	2,755.51	2,694.05	61.46	44.836		
7,050.00	6,934.77	7,010.67	6,898.96	33.23	34.49	53.84	831.92	-1,597.53	2,736.93	2,675.21	61.72	44.347		
7,100.00	6,974.01	7,044.70	6,932.98	33.39	34.61	54.49	832.21	-1,597.30	2,715.90	2,653.94	61.96	43.832		
7,150.00	7,010.75	7,076.53	6,964.81	33.55	34.73	55.67	832.54	-1,597.09	2,692.60	2,630.40	62.20	43.291		
7,200.00	7,044.77	7,105.97	6,994.25	33.72	34.84	57.33	832.92	-1,596.91	2,667.20	2,604.77	62.43	42.723		
7,250.00	7,075.85	7,134.49	7,022.76	33.92	34.94	59.47	833.33	-1,596.75	2,639.89	2,577.22	62.67	42.122		
7,300.00	7,103.80	7,161.50	7,049.77	34.13	35.05	62.07	833.72	-1,596.61	2,610.85	2,547.92	62.93	41.491		
7,350.00	7,128.45	7,185.33	7,073.59	34.38	35.14	65.08	834.07	-1,596.50	2,580.30	2,517.11	63.19	40.834		
7,400.00	7,149.65	7,205.81	7,094.07	34.67	35.21	68.46	834.36	-1,596.41	2,548.48	2,485.01	63.47	40.152		
7,450.00	7,167.26	7,222.81	7,111.08	35.00	35.28	72.16	834.60	-1,596.34	2,515.61	2,451.84	63.77	39.448		
7,500.00	7,181.19	7,236.23	7,124.49	35.38	35.33	76.14	834.79	-1,596.29	2,481.94	2,417.85	64.10	38.723		
7,550.00	7,191.34	7,245.97	7,134.23	35.81	35.37	80.31	834.92	-1,596.26	2,447.72	2,383.27	64.45	37.980		
7,600.00	7,197.65	7,251.96	7,140.23	36.28	35.39	84.58	835.01	-1,596.24	2,413.17	2,348.34	64.83	37.223		
7,650.00	7,200.08	7,254.16	7,142.43	36.80	35.40	88.88	835.04	-1,596.23	2,378.53	2,313.29	65.24	36.457		
7,667.87	7,200.00	7,254.03	7,142.29	36.99	35.40	90.40	835.04	-1,596.23	2,366.17	2,300.77	65.40	36.182		
7,700.00	7,199.42	7,253.34	7,141.60	37.35	35.39	90.38	835.03	-1,596.23	2,344.09	2,278.40	65.69	35.685		
7,800.00	7,197.60	7,251.19	7,139.45	38.62	35.39	90.31	835.00	-1,596.24	2,276.88	2,210.14	66.74	34.117		
7,900.00	7,195.78	7,249.04	7,137.30	40.06	35.38	90.23	834.97	-1,596.25	2,212.16	2,144.15	68.01	32.527		
8,000.00	7,193.97	7,246.87	7,135.14	41.66	35.37	90.16	834.94	-1,596.26	2,150.13	2,080.62	69.51	30.931		
8,100.00	7,192.15	7,244.71	7,132.97	43.40	35.36	90.09	834.91	-1,596.26	2,091.05	2,019.80	71.26	29.346		
8,200.00	7,190.33	7,242.53	7,130.79	45.25	35.35	90.02	834.87	-1,596.27	2,035.17	1,961.94	73.23	27.791		
8,300.00	7,188.51	7,240.35	7,128.61	47.20	35.34	89.94	834.84	-1,596.28	1,982.75	1,907.32	75.43	26.284		
8,400.00	7,186.70	7,238.16	7,126.42	49.25	35.34	89.87	834.81	-1,596.29	1,934.09	1,856.23	77.86	24.842		
8,500.00	7,184.88	7,235.96	7,124.22	51.37	35.33	89.80	834.78	-1,596.29	1,889.47	1,808.99	80.47	23.479		
8,600.00	7,183.06	7,233.75	7,122.02	53.56	35.32	89.72	834.75	-1,596.30	1,849.18	1,765.92	83.26	22.209		
8,700.00	7,181.24	7,231.54	7,119.81	55.81	35.31	89.65	834.72	-1,596.31	1,813.51	1,727.32	86.19	21.041		
8,800.00	7,179.43	7,229.32	7,117.59	58.11	35.30	89.57	834.69	-1,596.32	1,782.75	1,693.53	89.22	19.982		
8,900.00	7,177.61	7,227.09	7,115.36	60.46	35.29	89.50	834.66	-1,596.33	1,757.14	1,664.83	92.30	19.036		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - WIEDEMAN #4-5 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	7,224.86	7,113.13	62.85	35.29	89.43	834.63	-1,596.34	1,736.91	1,641.51	95.40	18.207		
9,100.00	7,173.98	7,222.62	7,110.88	65.28	35.28	89.35	834.60	-1,596.35	1,722.26	1,623.81	98.45	17.493		
9,200.00	7,172.16	7,220.37	7,108.63	67.74	35.27	89.27	834.56	-1,596.35	1,713.33	1,611.91	101.42	16.894		
9,300.00	7,170.34	7,218.11	7,106.38	70.23	35.26	89.20	834.53	-1,596.36	1,710.21	1,605.96	104.25	16.405		
9,303.50	7,170.28	7,218.03	7,106.30	70.31	35.26	89.20	834.53	-1,596.36	1,710.20	1,605.86	104.34	16.390		
9,400.00	7,168.52	7,215.85	7,104.11	72.74	35.25	89.12	834.50	-1,596.37	1,712.92	1,606.02	106.90	16.024		
9,500.00	7,166.71	7,213.57	7,101.84	75.28	35.24	89.05	834.47	-1,596.38	1,721.45	1,612.11	109.34	15.744		
9,600.00	7,164.89	7,211.29	7,099.56	77.84	35.23	88.97	834.44	-1,596.39	1,735.70	1,624.16	111.54	15.561		
9,700.00	7,163.07	7,209.00	7,097.27	80.43	35.23	88.89	834.40	-1,596.40	1,755.54	1,642.05	113.50	15.468		
9,800.00	7,161.26	7,206.71	7,094.98	83.02	35.22	88.82	834.37	-1,596.41	1,780.78	1,665.59	115.19	15.460 SF		
9,900.00	7,159.44	7,204.40	7,092.67	85.64	35.21	88.74	834.34	-1,596.42	1,811.20	1,694.57	116.62	15.531		
10,000.00	7,157.62	7,202.09	7,090.36	88.27	35.20	88.66	834.31	-1,596.43	1,846.53	1,728.72	117.81	15.674		
10,100.00	7,155.80	7,199.77	7,088.04	90.91	35.19	88.58	834.27	-1,596.44	1,886.50	1,767.75	118.75	15.886		
10,200.00	7,153.99	7,197.45	7,085.71	93.56	35.18	88.51	834.24	-1,596.45	1,930.83	1,811.34	119.48	16.160		
10,300.00	7,152.17	7,195.11	7,083.38	96.23	35.17	88.43	834.21	-1,596.46	1,979.22	1,859.20	120.02	16.491		
10,400.00	7,150.35	7,192.77	7,081.03	98.90	35.16	88.35	834.17	-1,596.47	2,031.38	1,911.00	120.38	16.875		
10,500.00	7,148.54	7,190.41	7,078.68	101.59	35.16	88.27	834.14	-1,596.48	2,087.03	1,966.44	120.59	17.307		
10,600.00	7,146.72	7,188.05	7,076.32	104.28	35.15	88.19	834.11	-1,596.49	2,145.89	2,025.23	120.66	17.784		
10,700.00	7,144.90	7,185.69	7,073.96	106.98	35.14	88.11	834.07	-1,596.50	2,207.71	2,087.09	120.63	18.302		
10,800.00	7,143.08	7,183.31	7,071.58	109.69	35.13	88.03	834.04	-1,596.51	2,272.26	2,151.76	120.50	18.858		
10,900.00	7,141.27	7,180.93	7,069.20	112.41	35.12	87.95	834.00	-1,596.52	2,339.29	2,219.01	120.29	19.448		
11,000.00	7,139.45	7,178.53	7,066.80	115.13	35.11	87.87	833.97	-1,596.53	2,408.61	2,288.60	120.02	20.069		
11,100.00	7,137.63	7,176.13	7,064.40	117.86	35.10	87.79	833.94	-1,596.54	2,480.03	2,360.33	119.69	20.720		
11,200.00	7,135.82	7,173.72	7,061.99	120.59	35.09	87.71	833.90	-1,596.55	2,553.36	2,434.03	119.33	21.397		
11,300.00	7,134.00	7,171.30	7,059.58	123.33	35.08	87.63	833.87	-1,596.57	2,628.45	2,509.51	118.94	22.100		
11,400.00	7,132.18	7,168.88	7,057.15	126.07	35.07	87.55	833.83	-1,596.58	2,705.14	2,586.63	118.52	22.825		
11,500.00	7,130.36	7,166.44	7,054.72	128.82	35.07	87.47	833.80	-1,596.59	2,783.32	2,665.24	118.09	23.570		
11,600.00	7,128.55	7,164.00	7,052.27	131.57	35.06	87.39	833.76	-1,596.60	2,862.85	2,745.21	117.64	24.336		
11,700.00	7,126.73	7,161.55	7,049.82	134.33	35.05	87.31	833.73	-1,596.61	2,943.63	2,826.45	117.19	25.119		
11,800.00	7,124.91	7,159.09	7,047.36	137.09	35.04	87.22	833.69	-1,596.63	3,025.56	2,908.83	116.73	25.918		
11,900.00	7,123.10	7,156.62	7,044.89	139.85	35.03	87.14	833.65	-1,596.64	3,108.54	2,992.26	116.28	26.733		
12,000.00	7,121.28	7,154.14	7,042.41	142.62	35.02	87.06	833.62	-1,596.65	3,192.50	3,076.67	115.83	27.562		
12,100.00	7,119.46	7,151.65	7,039.93	145.39	35.01	86.97	833.58	-1,596.66	3,277.36	3,161.97	115.38	28.404		
12,200.00	7,117.64	7,149.16	7,037.43	148.16	35.00	86.89	833.55	-1,596.68	3,363.04	3,248.10	114.94	29.259		
12,300.00	7,115.83	7,146.65	7,034.93	150.94	34.99	86.81	833.51	-1,596.69	3,449.50	3,334.99	114.51	30.125		
12,400.00	7,114.01	7,144.14	7,032.41	153.72	34.98	86.72	833.47	-1,596.70	3,536.66	3,422.58	114.08	31.001		
12,500.00	7,112.19	7,141.62	7,029.89	156.50	34.97	86.64	833.44	-1,596.71	3,624.49	3,510.83	113.67	31.887		
12,600.00	7,110.37	7,139.08	7,027.36	159.28	34.96	86.55	833.40	-1,596.73	3,712.94	3,599.67	113.26	32.782		
12,700.00	7,108.56	7,136.54	7,024.82	162.07	34.95	86.47	833.36	-1,596.74	3,801.95	3,689.08	112.87	33.686		
12,800.00	7,106.74	7,133.99	7,022.27	164.86	34.94	86.38	833.33	-1,596.75	3,891.50	3,779.01	112.48	34.597		
12,900.00	7,104.92	7,131.44	7,019.71	167.65	34.93	86.30	833.29	-1,596.77	3,981.54	3,869.43	112.11	35.516		
13,000.00	7,103.11	7,128.87	7,017.14	170.44	34.92	86.21	833.25	-1,596.78	4,072.04	3,960.30	111.74	36.442		
13,100.00	7,101.29	7,126.29	7,014.57	173.23	34.91	86.13	833.21	-1,596.80	4,162.98	4,051.59	111.39	37.374		
13,200.00	7,099.47	7,123.70	7,011.98	176.03	34.90	86.04	833.18	-1,596.81	4,254.33	4,143.28	111.04	38.312		
13,300.00	7,097.65	7,121.11	7,009.38	178.82	34.89	85.95	833.14	-1,596.82	4,346.05	4,235.34	110.71	39.256		
13,400.00	7,095.84	7,118.57	7,006.84	181.62	34.88	85.87	833.10	-1,596.84	4,438.13	4,327.74	110.39	40.205		
13,500.00	7,094.02	7,116.29	7,004.57	184.42	34.88	85.79	833.07	-1,596.85	4,530.54	4,420.47	110.08	41.158		
13,600.00	7,092.20	7,114.01	7,002.29	187.22	34.87	85.72	833.03	-1,596.86	4,623.27	4,513.50	109.78	42.116		
13,700.00	7,090.39	7,111.73	7,000.00	190.03	34.86	85.64	833.00	-1,596.88	4,716.30	4,606.81	109.48	43.077		
13,800.00	7,088.57	7,109.43	6,997.71	192.83	34.85	85.56	832.97	-1,596.89	4,809.60	4,700.40	109.20	44.043		
13,900.00	7,086.75	7,107.13	6,995.41	195.64	34.84	85.49	832.94	-1,596.90	4,903.17	4,794.24	108.93	45.013		
14,000.00	7,084.93	7,104.83	6,993.11	198.44	34.83	85.41	832.91	-1,596.92	4,996.98	4,888.32	108.66	45.986		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,083.12	7,102.52	6,990.80	201.25	34.83	85.33	832.87	-1,596.93	5,091.03	4,982.62	108.41	46.962		
14,200.00	7,081.30	7,100.20	6,988.48	204.06	34.82	85.26	832.84	-1,596.94	5,185.30	5,077.14	108.16	47.941		
14,300.00	7,079.48	7,097.88	6,986.16	206.87	34.81	85.18	832.81	-1,596.96	5,279.78	5,171.86	107.92	48.923		
14,400.00	7,077.67	7,095.55	6,983.83	209.68	34.80	85.10	832.78	-1,596.97	5,374.46	5,266.77	107.69	49.907		
14,500.00	7,075.85	7,093.21	6,981.49	212.49	34.79	85.02	832.75	-1,596.99	5,469.33	5,361.86	107.47	50.894		
14,600.00	7,074.03	7,090.87	6,979.15	215.31	34.78	84.95	832.72	-1,597.00	5,564.37	5,457.12	107.25	51.883		
14,700.00	7,072.21	7,088.52	6,976.80	218.12	34.77	84.87	832.69	-1,597.01	5,659.59	5,552.55	107.04	52.874		
14,800.00	7,070.40	7,086.16	6,974.44	220.93	34.77	84.79	832.66	-1,597.03	5,754.97	5,648.13	106.84	53.867		
14,900.00	7,068.58	7,083.80	6,972.08	223.75	34.76	84.71	832.63	-1,597.04	5,850.50	5,743.85	106.64	54.861		
15,000.00	7,066.76	7,081.43	6,969.71	226.57	34.75	84.63	832.60	-1,597.06	5,946.17	5,839.72	106.45	55.857		
15,100.00	7,064.95	7,079.06	6,967.34	229.38	34.74	84.55	832.57	-1,597.07	6,041.99	5,935.72	106.27	56.855		
15,200.00	7,063.13	7,076.68	6,964.96	232.20	34.73	84.47	832.55	-1,597.09	6,137.94	6,031.84	106.09	57.854		
15,300.00	7,061.31	7,074.29	6,962.57	235.02	34.72	84.39	832.52	-1,597.10	6,234.01	6,128.09	105.92	58.854		
15,400.00	7,059.49	7,071.90	6,960.18	237.84	34.71	84.31	832.49	-1,597.12	6,330.21	6,224.45	105.76	59.856		
15,500.00	7,057.68	7,069.49	6,957.78	240.66	34.70	84.23	832.46	-1,597.13	6,426.52	6,320.92	105.60	60.858		
15,600.00	7,055.86	7,067.09	6,955.37	243.48	34.70	84.15	832.44	-1,597.15	6,522.94	6,417.49	105.44	61.861		
15,647.29	7,055.00	7,065.95	6,954.23	244.81	34.69	84.12	832.42	-1,597.16	6,568.57	6,463.20	105.37	62.336		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
0.00	0.00	0.00	0.00	3.28	3.28	-68.87	362.14	-937.00	1,005.26					
100.00	100.00	57.08	57.08	3.28	3.29	-68.87	362.16	-937.10	1,004.66	998.08	6.57	152.868		
200.00	200.00	146.38	146.37	3.34	3.34	-68.88	362.33	-938.01	1,005.68	999.00	6.68	150.655		
300.00	300.00	249.58	249.57	3.44	3.45	-68.89	362.72	-939.51	1,007.18	1,000.28	6.89	146.104		
400.00	399.98	340.38	340.35	3.60	3.59	155.09	362.83	-941.09	1,010.43	1,003.24	7.19	140.512		
500.00	499.84	443.59	443.51	3.79	3.80	155.04	361.49	-943.83	1,017.19	1,009.60	7.59	134.031		
600.00	599.45	546.88	546.64	4.03	4.05	154.87	357.03	-947.15	1,026.52	1,018.45	8.07	127.199		
700.00	698.70	634.92	634.33	4.30	4.29	154.59	350.50	-951.51	1,039.52	1,030.93	8.59	121.041		
790.00	787.61	713.77	712.69	4.57	4.54	154.28	343.50	-956.76	1,054.85	1,045.74	9.11	115.840		
800.00	797.47	723.58	722.43	4.60	4.57	154.26	342.58	-957.47	1,056.73	1,047.56	9.17	115.198		
900.00	896.01	819.94	818.01	4.94	4.91	154.00	332.77	-964.81	1,075.62	1,065.80	9.82	109.494		
1,000.00	994.55	914.31	911.52	5.30	5.27	153.73	322.64	-972.48	1,094.81	1,084.30	10.52	104.103		
1,100.00	1,093.09	1,002.76	998.93	5.68	5.63	153.40	311.77	-980.52	1,114.43	1,103.20	11.23	99.234		
1,200.00	1,191.63	1,076.49	1,071.36	6.08	5.96	153.01	301.07	-989.14	1,135.76	1,123.84	11.92	95.310		
1,300.00	1,290.17	1,156.45	1,149.47	6.49	6.35	152.51	288.19	-1,000.38	1,158.87	1,146.20	12.66	91.512		
1,400.00	1,388.71	1,248.56	1,239.03	6.91	6.82	151.88	272.08	-1,014.62	1,182.99	1,169.48	13.51	87.573		
1,500.00	1,487.25	1,333.53	1,321.24	7.34	7.30	151.23	255.84	-1,028.74	1,207.87	1,193.52	14.35	84.189		
1,600.00	1,585.79	1,415.86	1,400.51	7.77	7.79	150.57	239.22	-1,043.51	1,233.87	1,218.68	15.20	81.200		
1,700.00	1,684.34	1,516.22	1,496.78	8.22	8.41	149.73	217.93	-1,062.18	1,260.44	1,244.25	16.19	77.838		
1,800.00	1,782.88	1,620.07	1,595.98	8.66	9.10	148.82	193.95	-1,081.41	1,286.72	1,269.46	17.25	74.582		
1,900.00	1,881.42	1,727.64	1,698.92	9.12	9.82	147.93	169.03	-1,100.23	1,312.25	1,293.89	18.36	71.471		
2,000.00	1,979.96	1,810.16	1,777.56	9.57	10.39	147.22	148.70	-1,114.75	1,337.88	1,318.58	19.30	69.333		
2,100.00	2,078.50	1,877.17	1,840.81	10.03	10.88	146.59	131.04	-1,128.07	1,365.50	1,345.38	20.12	67.879		
2,200.00	2,177.04	1,960.44	1,919.34	10.49	11.51	145.84	109.61	-1,145.63	1,394.68	1,373.60	21.08	66.156		
2,300.00	2,275.58	2,064.52	2,017.90	10.95	12.29	145.00	84.08	-1,167.21	1,423.98	1,401.76	22.23	64.069		
2,400.00	2,374.12	2,155.67	2,104.38	11.42	12.97	144.31	62.20	-1,185.97	1,453.46	1,430.20	23.25	62.501		
2,500.00	2,472.66	2,262.73	2,206.00	11.89	13.78	143.54	36.34	-1,207.57	1,482.73	1,458.30	24.43	60.693		
2,600.00	2,571.20	2,347.47	2,286.65	12.36	14.41	142.97	16.32	-1,224.16	1,511.72	1,486.32	25.40	59.514		
2,700.00	2,669.74	2,420.58	2,356.12	12.83	14.97	142.51	-0.36	-1,239.64	1,542.40	1,516.14	26.26	58.740		
2,800.00	2,768.28	2,535.51	2,465.42	13.30	15.84	141.81	-26.73	-1,263.45	1,572.80	1,545.29	27.51	57.173		
2,900.00	2,866.83	2,611.73	2,537.88	13.78	16.42	141.36	-44.53	-1,279.02	1,603.14	1,574.74	28.40	56.453		
3,000.00	2,965.37	2,673.22	2,596.09	14.25	16.90	141.00	-58.73	-1,292.84	1,635.47	1,606.33	29.14	56.129		
3,100.00	3,063.91	3,100.00	2,725.99	14.73	20.30	140.16	-92.46	-1,323.33	1,667.57	1,634.86	32.72	50.973		
3,200.00	3,162.45	2,958.88	2,866.94	15.20	19.14	139.35	-128.23	-1,350.89	1,696.14	1,663.92	32.22	52.635		
3,300.00	3,260.99	3,073.02	2,975.58	15.68	20.00	138.71	-157.10	-1,370.63	1,723.85	1,690.37	33.48	51.492		
3,400.00	3,359.53	3,163.05	3,061.70	16.16	20.67	138.26	-178.84	-1,385.34	1,750.81	1,716.32	34.50	50.755		
3,500.00	3,458.07	3,228.75	3,124.89	16.64	21.15	138.01	-192.76	-1,396.69	1,778.99	1,743.71	35.28	50.428		
3,600.00	3,556.61	3,290.40	3,183.95	17.12	21.60	137.77	-205.78	-1,408.64	1,809.13	1,773.13	36.00	50.249		
3,700.00	3,655.15	3,533.05	3,417.36	17.60	23.33	136.81	-260.16	-1,446.04	1,834.44	1,796.07	38.37	47.814		
3,800.00	3,753.69	3,607.50	3,488.94	18.08	23.86	136.49	-278.34	-1,455.43	1,858.18	1,818.92	39.25	47.339		
3,900.00	3,852.23	3,668.03	3,547.04	18.56	24.30	136.23	-292.97	-1,464.05	1,883.58	1,843.57	40.01	47.073		
4,000.00	3,950.77	3,733.00	3,608.96	19.04	24.79	135.93	-309.39	-1,474.84	1,911.15	1,870.35	40.81	46.835		
4,100.00	4,049.31	3,794.69	3,667.33	19.52	25.29	135.63	-325.88	-1,486.11	1,940.38	1,898.81	41.57	46.676		
4,200.00	4,147.86	3,877.55	3,745.30	20.00	25.97	135.19	-349.14	-1,501.79	1,970.54	1,927.99	42.55	46.310		
4,300.00	4,246.40	3,978.59	3,840.20	20.49	26.81	134.66	-377.95	-1,521.11	2,001.04	1,957.31	43.73	45.763		
4,400.00	4,344.94	4,079.06	3,934.88	20.97	27.63	134.17	-405.87	-1,539.80	2,031.14	1,986.26	44.88	45.253		
4,500.00	4,443.48	4,500.00	4,035.57	21.45	30.82	133.81	-430.31	-1,558.88	2,060.77	2,012.60	48.17	42.784		
4,600.00	4,542.02	4,234.69	4,084.02	21.94	28.79	133.72	-439.64	-1,568.45	2,091.37	2,044.75	46.62	44.856		
4,700.00	4,640.56	4,297.84	4,144.70	22.42	29.25	133.61	-450.77	-1,581.91	2,124.01	2,076.69	47.32	44.883		
4,800.00	4,739.10	4,425.64	4,266.94	22.91	30.21	133.33	-476.24	-1,609.12	2,156.91	2,108.22	48.68	44.304		
4,900.00	4,837.64	4,599.66	4,434.23	23.39	31.47	132.94	-511.49	-1,641.53	2,187.37	2,136.90	50.48	43.334		
5,000.00	4,936.18	4,832.09	4,661.42	23.87	32.91	132.69	-549.73	-1,671.45	2,210.98	2,158.42	52.56	42.064		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,034.72	4,921.21	4,749.23	24.36	33.41	132.68	-561.41	-1,681.21	2,233.61	2,180.14	53.47	41.774		
5,200.00	5,133.26	5,050.38	4,876.76	24.84	34.10	132.70	-576.93	-1,694.63	2,255.72	2,201.08	54.64	41.285		
5,300.00	5,231.80	5,259.59	5,084.53	25.33	35.08	132.89	-596.01	-1,709.32	2,274.28	2,218.08	56.20	40.470		
5,400.00	5,330.34	5,414.76	5,239.17	25.82	35.72	133.10	-607.00	-1,715.72	2,290.48	2,233.13	57.36	39.933		
5,500.00	5,428.89	5,557.48	5,381.72	26.30	36.23	133.38	-613.52	-1,717.61	2,303.58	2,245.18	58.39	39.449		
5,600.00	5,527.43	5,663.50	5,487.70	26.79	36.57	133.64	-616.33	-1,717.53	2,315.29	2,256.02	59.27	39.062		
5,700.00	5,625.97	5,753.47	5,577.63	27.27	36.86	133.85	-618.89	-1,717.82	2,327.46	2,267.36	60.10	38.728		
5,800.00	5,724.51	5,862.02	5,686.17	27.76	37.18	134.16	-619.82	-1,718.17	2,339.70	2,278.75	60.96	38.384		
5,900.00	5,823.05	5,944.73	5,768.87	28.24	37.39	134.44	-618.22	-1,718.37	2,351.95	2,290.25	61.70	38.117		
6,000.00	5,921.59	6,033.56	5,857.68	28.73	37.63	134.75	-616.33	-1,719.17	2,364.93	2,302.47	62.46	37.861		
6,100.00	6,020.13	6,131.05	5,955.13	29.22	37.89	135.09	-614.20	-1,720.23	2,378.18	2,314.93	63.25	37.598		
6,200.00	6,118.67	6,212.12	6,036.18	29.70	38.11	135.37	-612.34	-1,721.35	2,391.81	2,327.82	63.99	37.378		
6,300.00	6,217.21	6,305.52	6,129.53	30.19	38.38	135.69	-610.12	-1,723.16	2,406.06	2,341.29	64.77	37.148		
6,400.00	6,315.75	6,407.25	6,231.22	30.68	38.67	136.04	-607.60	-1,725.09	2,420.37	2,354.79	65.58	36.908		
6,500.00	6,414.29	6,495.55	6,319.47	31.16	38.92	136.34	-605.41	-1,726.89	2,434.87	2,368.53	66.34	36.702		
6,582.51	6,495.60	6,572.11	6,395.99	31.57	39.15	136.58	-603.90	-1,728.66	2,447.12	2,380.13	66.99	36.530		
6,600.00	6,512.86	6,588.59	6,412.47	31.65	39.20	129.10	-603.62	-1,729.07	2,449.50	2,382.38	67.13	36.490		
6,650.00	6,562.39	6,637.23	6,461.08	31.88	39.35	98.83	-602.82	-1,730.27	2,453.72	2,386.19	67.52	36.339		
6,700.00	6,611.96	6,685.99	6,509.82	32.08	39.50	66.14	-602.04	-1,731.49	2,454.05	2,386.15	67.90	36.141		
6,750.00	6,661.26	6,734.53	6,558.34	32.27	39.65	45.62	-601.17	-1,732.72	2,450.51	2,382.25	68.26	35.899		
6,800.00	6,709.99	6,781.67	6,605.46	32.44	39.80	34.56	-600.16	-1,733.91	2,443.13	2,374.54	68.60	35.616		
6,850.00	6,757.84	6,826.83	6,650.58	32.61	39.93	28.25	-598.97	-1,735.09	2,431.98	2,363.08	68.90	35.295		
6,900.00	6,804.53	6,870.58	6,694.30	32.77	40.07	24.39	-597.60	-1,736.27	2,417.15	2,347.96	69.19	34.933		
6,950.00	6,849.77	6,912.58	6,736.26	32.92	40.19	21.94	-596.22	-1,737.45	2,398.73	2,329.27	69.46	34.533		
7,000.00	6,893.27	6,955.97	6,779.60	33.07	40.32	20.37	-594.75	-1,738.73	2,376.84	2,307.12	69.72	34.091		
7,050.00	6,934.77	7,005.55	6,829.13	33.23	40.47	19.48	-592.96	-1,740.08	2,351.46	2,281.47	69.99	33.595		
7,100.00	6,974.01	7,049.22	6,872.76	33.39	40.60	19.04	-591.29	-1,741.15	2,322.74	2,252.51	70.23	33.073		
7,150.00	7,010.75	7,086.99	6,910.49	33.55	40.71	18.98	-589.83	-1,742.04	2,290.94	2,220.51	70.43	32.526		
7,200.00	7,044.77	7,122.07	6,945.53	33.72	40.81	19.29	-588.47	-1,742.86	2,256.28	2,185.67	70.62	31.951		
7,250.00	7,075.85	7,150.06	6,973.49	33.92	40.89	19.94	-587.37	-1,743.54	2,219.01	2,148.24	70.76	31.358		
7,300.00	7,103.80	7,175.59	6,998.99	34.13	40.97	21.03	-586.37	-1,744.20	2,179.36	2,108.47	70.90	30.740		
7,350.00	7,128.45	7,198.35	7,021.73	34.38	41.04	22.65	-585.47	-1,744.82	2,137.59	2,066.57	71.01	30.101		
7,400.00	7,149.65	7,219.18	7,042.53	34.67	41.10	25.03	-584.65	-1,745.41	2,093.91	2,022.79	71.12	29.442		
7,450.00	7,167.26	7,237.90	7,061.23	35.00	41.16	28.51	-583.89	-1,745.94	2,048.58	1,977.36	71.22	28.765		
7,500.00	7,181.19	7,252.99	7,076.30	35.38	41.20	33.69	-583.26	-1,746.37	2,001.87	1,930.56	71.30	28.075		
7,550.00	7,191.34	7,264.35	7,087.65	35.81	41.24	41.69	-582.78	-1,746.69	1,954.06	1,882.68	71.38	27.376		
7,600.00	7,197.65	7,271.94	7,095.22	36.28	41.26	54.58	-582.46	-1,746.90	1,905.45	1,834.00	71.44	26.671		
7,650.00	7,200.08	7,275.69	7,098.97	36.80	41.27	75.06	-582.30	-1,747.01	1,856.32	1,784.82	71.50	25.962		
7,667.87	7,200.00	7,276.10	7,099.38	36.99	41.27	84.29	-582.28	-1,747.02	1,838.70	1,767.18	71.52	25.709		
7,700.00	7,199.42	7,276.40	7,099.68	37.35	41.27	84.34	-582.27	-1,747.03	1,807.00	1,735.44	71.55	25.253		
7,800.00	7,197.60	7,277.31	7,100.59	38.62	41.27	84.52	-582.23	-1,747.05	1,708.45	1,636.77	71.68	23.835		
7,900.00	7,195.78	7,278.22	7,101.50	40.06	41.28	84.70	-582.19	-1,747.08	1,610.07	1,538.24	71.83	22.416		
8,000.00	7,193.97	7,279.14	7,102.41	41.66	41.28	84.87	-582.15	-1,747.11	1,511.91	1,439.89	72.02	20.994		
8,100.00	7,192.15	7,280.05	7,103.32	43.40	41.28	85.05	-582.11	-1,747.13	1,414.01	1,341.75	72.26	19.569		
8,200.00	7,190.33	7,280.96	7,104.23	45.25	41.29	85.22	-582.07	-1,747.16	1,316.42	1,243.86	72.56	18.142		
8,300.00	7,188.51	7,281.87	7,105.14	47.20	41.29	85.40	-582.03	-1,747.18	1,219.22	1,146.27	72.95	16.713		
8,400.00	7,186.70	7,282.78	7,106.05	49.25	41.29	85.57	-581.99	-1,747.21	1,122.51	1,049.05	73.46	15.280		
8,500.00	7,184.88	7,283.69	7,106.96	51.37	41.29	85.75	-581.95	-1,747.23	1,026.43	952.30	74.13	13.846		
8,600.00	7,183.06	7,284.60	7,107.86	53.56	41.30	85.92	-581.91	-1,747.26	931.18	856.15	75.03	12.411		
8,700.00	7,181.24	7,285.50	7,108.77	55.81	41.30	86.10	-581.87	-1,747.29	837.03	760.79	76.25	10.978		
8,800.00	7,179.43	7,286.41	7,109.67	58.11	41.30	86.27	-581.83	-1,747.31	744.42	666.49	77.93	9.552		
8,900.00	7,177.61	7,287.31	7,110.58	60.46	41.30	86.44	-581.79	-1,747.34	653.98	573.69	80.28	8.146		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,175.79	7,288.21	7,111.48	62.85	41.31	86.62	-581.75	-1,747.36	566.75	483.15	83.60	6.779		
9,100.00	7,173.98	7,289.12	7,112.38	65.28	41.31	86.79	-581.72	-1,747.39	484.49	396.23	88.26	5.489		
9,200.00	7,172.16	7,290.02	7,113.28	67.74	41.31	86.97	-581.68	-1,747.41	410.19	315.64	94.55	4.338		
9,300.00	7,170.34	7,290.92	7,114.18	70.23	41.32	87.14	-581.64	-1,747.44	348.97	246.84	102.13	3.417		
9,400.00	7,168.52	7,291.82	7,115.08	72.74	41.32	87.31	-581.60	-1,747.46	308.70	199.89	108.81	2.837		
9,482.41	7,167.03	7,292.56	7,115.82	74.84	41.32	87.45	-581.56	-1,747.48	297.50	186.65	110.85	2.684	CC, ES, SF	
9,500.00	7,166.71	7,292.72	7,115.97	75.28	41.32	87.48	-581.56	-1,747.49	298.02	187.31	110.71	2.692		
9,600.00	7,164.89	7,293.61	7,116.87	77.84	41.32	87.66	-581.52	-1,747.51	319.89	213.17	106.72	2.997		
9,700.00	7,163.07	7,294.51	7,117.77	80.43	41.33	87.83	-581.48	-1,747.54	368.57	268.26	100.31	3.674		
9,800.00	7,161.26	7,295.41	7,118.66	83.02	41.33	88.00	-581.44	-1,747.56	435.15	340.77	94.39	4.610		
9,900.00	7,159.44	7,296.30	7,119.55	85.64	41.33	88.18	-581.40	-1,747.59	512.71	422.95	89.76	5.712		
10,000.00	7,157.62	7,297.20	7,120.45	88.27	41.33	88.35	-581.36	-1,747.61	596.97	510.67	86.31	6.917		
10,100.00	7,155.80	7,298.09	7,121.34	90.91	41.34	88.52	-581.32	-1,747.64	685.48	601.74	83.75	8.185		
10,200.00	7,153.99	7,299.01	7,122.26	93.56	41.34	88.70	-581.28	-1,747.67	776.78	694.96	81.82	9.494		
10,300.00	7,152.17	7,299.94	7,123.19	96.23	41.34	88.88	-581.24	-1,747.69	870.00	789.65	80.35	10.828		
10,400.00	7,150.35	7,300.87	7,124.12	98.90	41.34	89.06	-581.20	-1,747.72	964.57	885.36	79.21	12.177		
10,500.00	7,148.54	7,301.81	7,125.05	101.59	41.35	89.24	-581.16	-1,747.74	1,060.14	981.83	78.31	13.537		
10,600.00	7,146.72	7,302.75	7,125.99	104.28	41.35	89.42	-581.12	-1,747.77	1,156.46	1,078.86	77.60	14.904		
10,700.00	7,144.90	7,303.70	7,126.94	106.98	41.35	89.60	-581.07	-1,747.80	1,253.35	1,176.34	77.02	16.274		
10,800.00	7,143.08	7,304.65	7,127.89	109.69	41.36	89.78	-581.03	-1,747.82	1,350.70	1,274.16	76.54	17.647		
10,900.00	7,141.27	7,305.60	7,128.84	112.41	41.36	89.96	-580.99	-1,747.85	1,448.41	1,372.26	76.15	19.020		
11,000.00	7,139.45	7,306.56	7,129.80	115.13	41.36	90.15	-580.95	-1,747.88	1,546.41	1,470.58	75.83	20.394		
11,100.00	7,137.63	7,307.52	7,130.76	117.86	41.36	90.33	-580.90	-1,747.91	1,644.65	1,569.10	75.55	21.768		
11,200.00	7,135.82	7,308.49	7,131.73	120.59	41.37	90.52	-580.86	-1,747.93	1,743.09	1,667.76	75.33	23.141		
11,300.00	7,134.00	7,309.47	7,132.70	123.33	41.37	90.71	-580.82	-1,747.96	1,841.70	1,766.56	75.13	24.512		
11,400.00	7,132.18	7,310.45	7,133.68	126.07	41.37	90.90	-580.77	-1,747.99	1,940.45	1,865.48	74.97	25.883		
11,500.00	7,130.36	7,311.43	7,134.66	128.82	41.38	91.08	-580.73	-1,748.02	2,039.32	1,964.48	74.83	27.252		
11,600.00	7,128.55	7,312.42	7,135.65	131.57	41.38	91.27	-580.69	-1,748.05	2,138.29	2,063.58	74.72	28.618		
11,700.00	7,126.73	7,313.41	7,136.64	134.33	41.38	91.46	-580.64	-1,748.07	2,237.36	2,162.74	74.62	29.984		
11,800.00	7,124.91	7,314.41	7,137.64	137.09	41.39	91.66	-580.60	-1,748.10	2,336.50	2,261.97	74.54	31.347		
11,900.00	7,123.10	7,315.42	7,138.64	139.85	41.39	91.85	-580.56	-1,748.13	2,435.72	2,361.25	74.47	32.708		
12,000.00	7,121.28	7,316.42	7,139.65	142.62	41.39	92.04	-580.51	-1,748.16	2,535.00	2,460.58	74.41	34.067		
12,100.00	7,119.46	7,317.44	7,140.66	145.39	41.39	92.23	-580.47	-1,748.19	2,634.33	2,559.96	74.37	35.423		
12,200.00	7,117.64	7,318.46	7,141.68	148.16	41.40	92.43	-580.42	-1,748.22	2,733.71	2,659.37	74.33	36.778		
12,300.00	7,115.83	7,319.48	7,142.70	150.94	41.40	92.63	-580.37	-1,748.25	2,833.13	2,758.83	74.30	38.130		
12,400.00	7,114.01	7,320.51	7,143.73	153.72	41.40	92.82	-580.33	-1,748.28	2,932.59	2,858.31	74.28	39.479		
12,500.00	7,112.19	7,321.55	7,144.76	156.50	41.41	93.02	-580.28	-1,748.31	3,032.09	2,957.82	74.27	40.826		
12,600.00	7,110.37	7,322.59	7,145.80	159.28	41.41	93.22	-580.24	-1,748.34	3,131.61	3,057.35	74.26	42.171		
12,700.00	7,108.56	7,323.63	7,146.85	162.07	41.41	93.42	-580.19	-1,748.37	3,231.17	3,156.91	74.26	43.513		
12,800.00	7,106.74	7,324.68	7,147.90	164.86	41.42	93.62	-580.14	-1,748.40	3,330.75	3,256.49	74.26	44.852		
12,900.00	7,104.92	7,325.74	7,148.95	167.65	41.42	93.82	-580.10	-1,748.43	3,430.36	3,356.09	74.27	46.189		
13,000.00	7,103.11	7,326.80	7,150.01	170.44	41.42	94.02	-580.05	-1,748.46	3,529.99	3,455.71	74.28	47.523		
13,100.00	7,101.29	7,327.87	7,151.08	173.23	41.43	94.22	-580.00	-1,748.49	3,629.64	3,555.34	74.30	48.854		
13,200.00	7,099.47	7,328.94	7,152.15	176.03	41.43	94.43	-579.96	-1,748.52	3,729.31	3,654.99	74.31	50.183		
13,300.00	7,097.65	7,330.02	7,153.23	178.82	41.43	94.63	-579.91	-1,748.55	3,828.99	3,754.65	74.34	51.508		
13,400.00	7,095.84	7,331.11	7,154.31	181.62	41.44	94.84	-579.86	-1,748.58	3,928.69	3,854.33	74.36	52.831		
13,500.00	7,094.02	7,332.20	7,155.40	184.42	41.44	95.04	-579.81	-1,748.61	4,028.41	3,954.02	74.39	54.151		
13,600.00	7,092.20	7,333.29	7,156.50	187.22	41.44	95.25	-579.76	-1,748.64	4,128.14	4,053.71	74.42	55.468		
13,700.00	7,090.39	7,334.40	7,157.60	190.03	41.45	95.46	-579.71	-1,748.68	4,227.88	4,153.42	74.46	56.782		
13,800.00	7,088.57	7,335.50	7,158.70	192.83	41.45	95.67	-579.66	-1,748.71	4,327.63	4,253.14	74.50	58.092		
13,900.00	7,086.75	7,336.62	7,159.81	195.64	41.45	95.88	-579.61	-1,748.74	4,427.39	4,352.86	74.53	59.400		
14,000.00	7,084.93	7,337.74	7,160.93	198.44	41.46	96.09	-579.56	-1,748.77	4,527.17	4,452.59	74.58	60.705		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,083.12	7,338.86	7,162.06	201.25	41.46	96.30	-579.51	-1,748.81	4,626.95	4,552.33	74.62	62.007		
14,200.00	7,081.30	7,340.00	7,163.19	204.06	41.46	96.51	-579.46	-1,748.84	4,726.74	4,652.08	74.67	63.305		
14,300.00	7,079.48	7,341.13	7,164.32	206.87	41.47	96.73	-579.41	-1,748.87	4,826.55	4,751.83	74.71	64.600		
14,400.00	7,077.67	7,342.28	7,165.47	209.68	41.47	96.94	-579.36	-1,748.91	4,926.35	4,851.59	74.76	65.892		
14,500.00	7,075.85	7,343.43	7,166.61	212.49	41.47	97.16	-579.31	-1,748.94	5,026.17	4,951.35	74.82	67.181		
14,600.00	7,074.03	7,344.58	7,167.77	215.31	41.48	97.37	-579.26	-1,748.97	5,125.99	5,051.12	74.87	68.467		
14,700.00	7,072.21	7,345.75	7,168.93	218.12	41.48	97.59	-579.21	-1,749.01	5,225.82	5,150.90	74.92	69.749		
14,800.00	7,070.40	7,346.92	7,170.10	220.93	41.48	97.81	-579.16	-1,749.04	5,325.66	5,250.68	74.98	71.028		
14,900.00	7,068.58	7,348.09	7,171.27	223.75	41.49	98.03	-579.10	-1,749.08	5,425.50	5,350.46	75.04	72.303		
15,000.00	7,066.76	7,349.27	7,172.45	226.57	41.49	98.25	-579.05	-1,749.11	5,525.35	5,450.25	75.10	73.576		
15,100.00	7,064.95	7,350.46	7,173.64	229.38	41.49	98.47	-579.00	-1,749.15	5,625.20	5,550.04	75.16	74.844		
15,200.00	7,063.13	7,351.66	7,174.83	232.20	41.50	98.69	-578.95	-1,749.18	5,725.06	5,649.83	75.22	76.110		
15,300.00	7,061.31	7,352.86	7,176.03	235.02	41.50	98.91	-578.89	-1,749.22	5,824.92	5,749.63	75.29	77.371		
15,400.00	7,059.49	7,354.07	7,177.24	237.84	41.50	99.13	-578.84	-1,749.25	5,924.78	5,849.43	75.35	78.630		
15,500.00	7,057.68	7,355.28	7,178.45	240.66	41.51	99.36	-578.78	-1,749.29	6,024.65	5,949.24	75.42	79.885		
15,600.00	7,055.86	7,356.51	7,179.67	243.48	41.51	99.58	-578.73	-1,749.32	6,124.53	6,049.04	75.48	81.136		
15,647.29	7,055.00	7,357.09	7,180.25	244.81	41.51	99.69	-578.70	-1,749.34	6,171.76	6,096.25	75.52	81.726		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-71.78	301.66	-916.68	965.75					
100.00	100.00	60.57	60.57	3.28	3.29	-71.78	301.70	-916.72	965.10	958.52	6.57	146.830		
200.00	200.00	155.41	155.40	3.34	3.34	-71.77	302.05	-917.13	965.62	958.94	6.68	144.536		
300.00	300.00	269.17	269.17	3.44	3.47	-71.82	301.37	-917.55	965.79	958.88	6.91	139.680		
400.00	399.98	470.60	469.83	3.60	3.85	151.63	287.32	-911.74	963.42	955.89	7.53	127.926		
500.00	499.84	592.26	589.59	3.79	4.20	151.03	268.90	-900.98	954.79	946.72	8.07	118.326		
600.00	599.45	688.85	684.69	4.03	4.54	150.64	254.37	-892.24	949.31	940.72	8.59	110.542		
700.00	698.70	785.32	779.75	4.30	4.91	150.34	240.32	-883.73	947.26	938.08	9.18	103.189		
713.59	712.16	799.31	793.53	4.34	4.97	150.30	238.27	-882.51	947.24	937.97	9.27	102.183		
790.00	787.61	877.94	870.97	4.57	5.30	150.10	226.50	-875.64	948.03	938.24	9.80	96.765		
800.00	797.47	888.23	881.10	4.60	5.35	150.07	224.93	-874.74	948.24	938.37	9.87	96.081		
900.00	896.01	1,029.07	1,018.69	4.94	6.04	149.49	198.43	-860.78	948.23	937.40	10.83	87.560		
1,000.00	994.55	1,169.41	1,153.94	5.30	6.84	148.61	165.94	-842.34	943.88	932.00	11.88	79.452		
1,100.00	1,093.09	1,279.66	1,259.08	5.68	7.56	147.74	137.15	-825.83	937.08	924.23	12.85	72.930		
1,200.00	1,191.63	1,386.29	1,360.26	6.08	8.29	146.83	108.07	-808.91	929.25	915.40	13.85	67.097		
1,300.00	1,290.17	1,486.02	1,454.90	6.49	9.00	145.98	81.21	-792.54	921.19	906.35	14.85	62.054		
1,400.00	1,388.71	1,591.03	1,554.66	6.91	9.76	145.13	53.60	-774.89	913.09	897.19	15.90	57.433		
1,500.00	1,487.25	1,683.05	1,642.06	7.34	10.44	144.37	29.36	-759.31	905.05	888.15	16.91	53.536		
1,600.00	1,585.79	1,790.31	1,744.03	7.77	11.23	143.49	1.54	-741.10	897.23	879.22	18.02	49.793		
1,700.00	1,684.34	1,880.20	1,829.77	8.22	11.89	142.81	-20.70	-725.79	889.75	870.70	19.04	46.726		
1,800.00	1,782.88	1,975.57	1,921.02	8.66	12.59	142.14	-43.35	-709.75	882.83	862.73	20.10	43.920		
1,900.00	1,881.42	2,061.97	2,003.52	9.12	13.22	141.43	-65.19	-696.31	877.06	855.92	21.14	41.485		
2,000.00	1,979.96	2,147.60	2,085.34	9.57	13.86	140.66	-87.53	-684.54	873.12	850.92	22.20	39.324		
2,100.00	2,078.50	2,253.46	2,186.65	10.03	14.63	139.72	-114.78	-670.36	869.84	846.44	23.40	37.174		
2,200.00	2,177.04	2,361.17	2,289.68	10.49	15.43	138.81	-141.83	-654.41	865.38	840.77	24.61	35.165		
2,300.00	2,275.58	2,458.64	2,382.91	10.95	16.16	137.99	-166.21	-639.83	860.99	835.22	25.77	33.410		
2,400.00	2,374.12	2,557.27	2,477.25	11.42	16.89	137.14	-191.04	-625.25	856.95	830.00	26.95	31.798		
2,500.00	2,472.66	2,650.45	2,566.27	11.89	17.59	136.29	-215.00	-611.75	853.39	825.27	28.12	30.347		
2,600.00	2,571.20	2,756.53	2,666.92	12.36	18.43	135.13	-244.94	-596.65	850.15	820.72	29.43	28.888		
2,700.00	2,669.74	2,858.15	2,763.26	12.83	19.23	134.04	-273.31	-581.25	846.30	815.59	30.72	27.553		
2,800.00	2,768.28	2,945.78	2,847.09	13.30	19.90	133.25	-295.50	-568.58	843.49	811.61	31.88	26.458		
2,900.00	2,866.83	3,039.30	2,936.28	13.78	20.61	132.29	-320.66	-556.03	841.93	808.83	33.10	25.434		
3,000.00	2,965.37	3,140.14	3,032.40	14.25	21.38	131.25	-348.01	-542.60	840.75	806.36	34.39	24.448		
3,100.00	3,063.91	3,248.00	3,136.31	14.73	22.17	130.12	-376.54	-528.08	839.96	804.19	35.71	23.505		
3,200.00	3,162.45	3,354.00	3,240.31	15.20	22.97	128.92	-405.49	-513.36	839.51	802.44	37.07	22.605		
3,293.42	3,254.50	3,348.00	3,236.31	15.65	23.77	127.67	-434.84	-498.08	839.25	801.88	38.47	21.745		
3,300.00	3,260.99	3,348.00	3,236.31	15.68	23.77	127.67	-434.84	-498.08	839.25	801.88	38.47	21.745		
3,400.00	3,359.53	3,445.50	3,331.73	16.16	24.57	126.42	-464.19	-482.08	839.05	801.68	39.87	20.924		
3,500.00	3,458.07	3,542.06	3,426.63	16.64	25.37	125.17	-493.54	-469.36	838.85	801.48	41.27	20.144		
3,516.15	3,473.99	3,542.06	3,426.63	16.64	25.37	125.17	-493.54	-469.36	838.85	801.48	41.27	20.144		
3,600.00	3,556.61	3,639.59	3,523.16	17.12	26.17	123.92	-522.89	-456.64	838.65	801.28	42.67	19.404		
3,700.00	3,655.15	3,737.12	3,620.70	17.60	26.97	122.67	-552.24	-443.92	838.45	801.08	44.07	18.704		
3,800.00	3,753.69	3,834.66	3,717.24	18.08	27.77	121.42	-581.59	-431.20	838.25	800.88	45.47	18.044		
3,900.00	3,852.23	3,932.20	3,814.78	18.56	28.57	120.17	-610.94	-418.48	838.05	800.68	46.87	17.424		
4,000.00	3,950.77	4,029.74	3,912.32	19.04	29.37	118.92	-640.29	-405.76	837.85	800.48	48.27	16.844		
4,100.00	4,049.31	4,127.28	4,010.86	19.52	30.17	117.67	-669.64	-393.04	837.65	800.28	49.67	16.304		
4,200.00	4,147.86	4,224.82	4,103.40	20.00	30.97	116.42	-698.99	-380.32	837.45	800.08	51.07	15.804		
4,300.00	4,246.40	4,322.36	4,201.94	20.49	31.77	115.17	-728.34	-367.60	837.25	799.88	52.47	15.344		
4,400.00	4,344.94	4,419.90	4,300.48	20.97	32.57	113.92	-757.69	-354.88	837.05	799.68	53.87	14.924		
4,500.00	4,443.48	4,517.44	4,403.02	21.45	33.37	112.67	-787.04	-342.16	836.85	799.48	55.27	14.544		
4,600.00	4,542.02	4,614.98	4,505.56	21.94	34.17	111.42	-816.39	-329.44	836.65	799.28	56.67	14.204		
4,700.00	4,640.56	4,712.52	4,603.10	22.42	34.97	110.17	-845.74	-316.72	836.45	799.08	58.07	13.904		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.00	4,739.10	4,967.90	4,690.35	22.91	31.27	124.21	-660.42	-349.35	863.92	811.07	52.84	16.349		
4,900.00	4,837.64	5,066.16	4,788.59	23.39	31.51	125.22	-659.22	-350.90	875.09	821.64	53.45	16.371		
5,000.00	4,936.18	5,156.53	4,878.92	23.87	31.73	126.15	-657.65	-352.79	886.96	832.96	54.00	16.425		
5,100.00	5,034.72	5,254.92	4,977.26	24.36	31.97	127.17	-655.60	-355.31	899.52	844.92	54.60	16.475		
5,200.00	5,133.26	5,355.31	5,077.62	24.84	32.23	128.11	-654.69	-357.55	912.14	856.90	55.25	16.510		
5,300.00	5,231.80	5,453.96	5,176.25	25.33	32.50	128.94	-654.71	-359.59	924.90	869.00	55.90	16.546		
5,400.00	5,330.34	5,557.28	5,279.54	25.82	32.78	129.87	-653.45	-361.56	937.63	881.05	56.58	16.573		
5,500.00	5,428.89	5,665.03	5,387.26	26.30	33.06	130.87	-651.09	-362.76	949.74	892.47	57.27	16.583		
5,600.00	5,527.43	5,758.97	5,481.16	26.79	33.31	131.75	-648.54	-363.37	961.63	903.77	57.86	16.620		
5,700.00	5,625.97	5,852.43	5,574.59	27.27	33.57	132.58	-646.47	-364.61	974.42	915.96	58.45	16.671		
5,800.00	5,724.51	5,969.39	5,691.54	27.76	33.93	133.45	-646.29	-365.46	986.88	927.58	59.29	16.644		
5,900.00	5,823.05	6,081.10	5,803.21	28.24	34.33	134.10	-648.71	-363.87	997.28	937.12	60.15	16.579		
6,000.00	5,921.59	6,169.77	5,891.86	28.73	34.64	134.64	-650.14	-362.83	1,008.07	947.25	60.82	16.574		
6,100.00	6,020.13	6,263.58	5,985.67	29.22	34.96	135.27	-650.39	-362.50	1,019.82	958.32	61.50	16.581		
6,200.00	6,118.67	6,356.36	6,078.45	29.70	35.26	135.90	-650.34	-362.34	1,031.91	969.75	62.16	16.600		
6,300.00	6,217.21	6,442.26	6,164.34	30.19	35.52	136.50	-649.64	-363.13	1,045.23	982.49	62.74	16.660		
6,400.00	6,315.75	6,529.11	6,251.16	30.68	35.77	137.16	-647.67	-364.80	1,059.78	996.49	63.29	16.744		
6,500.00	6,414.29	6,616.71	6,338.67	31.16	36.01	137.85	-644.79	-367.35	1,075.53	1,011.70	63.84	16.848		
6,582.51	6,495.60	6,700.96	6,422.80	31.57	36.24	138.53	-641.44	-370.27	1,089.20	1,024.80	64.40	16.913		
6,600.00	6,512.86	6,725.91	6,447.72	31.65	36.31	131.19	-640.40	-370.91	1,091.72	1,027.13	64.59	16.903		
6,650.00	6,562.39	6,789.75	6,511.50	31.88	36.49	101.27	-637.84	-371.80	1,095.76	1,030.73	65.03	16.850		
6,700.00	6,611.96	6,846.29	6,568.02	32.08	36.66	68.88	-636.36	-372.19	1,095.56	1,030.16	65.40	16.752		
6,750.00	6,661.26	6,891.46	6,613.19	32.27	36.80	48.57	-635.81	-372.48	1,091.43	1,025.77	65.66	16.623		
6,800.00	6,709.99	6,935.34	6,657.07	32.44	36.94	37.72	-635.78	-373.03	1,083.72	1,017.83	65.89	16.448		
6,850.00	6,757.84	6,975.35	6,697.07	32.61	37.07	31.62	-635.98	-373.79	1,072.52	1,006.46	66.06	16.235		
6,900.00	6,804.53	7,014.11	6,735.81	32.77	37.19	28.01	-636.05	-374.82	1,058.01	991.80	66.21	15.980		
6,950.00	6,849.77	7,052.80	6,774.48	32.92	37.31	25.88	-635.95	-376.12	1,040.25	973.92	66.33	15.682		
7,000.00	6,893.27	7,090.79	6,812.44	33.07	37.43	24.71	-635.60	-377.59	1,019.30	952.86	66.43	15.344		
7,050.00	6,934.77	7,126.00	6,847.61	33.23	37.53	24.22	-635.02	-379.14	995.27	928.79	66.48	14.971		
7,100.00	6,974.01	7,155.40	6,876.96	33.39	37.62	24.23	-634.25	-380.69	968.47	902.03	66.44	14.577		
7,150.00	7,010.75	7,183.43	6,904.91	33.55	37.70	24.73	-633.21	-382.42	939.10	872.73	66.36	14.151		
7,200.00	7,044.77	7,211.31	6,932.69	33.72	37.77	25.76	-631.89	-384.40	907.29	841.02	66.27	13.690		
7,250.00	7,075.85	7,252.91	6,974.14	33.92	37.89	27.91	-629.75	-387.28	872.85	806.44	66.41	13.144		
7,300.00	7,103.80	7,290.02	7,011.14	34.13	37.99	30.84	-627.83	-389.52	835.77	769.28	66.49	12.570		
7,350.00	7,128.45	7,316.82	7,037.85	34.38	38.06	34.33	-626.43	-390.99	796.49	730.05	66.44	11.988		
7,400.00	7,149.65	7,338.94	7,059.91	34.67	38.12	38.75	-625.22	-392.23	755.47	689.13	66.34	11.387		
7,450.00	7,167.26	7,357.87	7,078.78	35.00	38.17	44.37	-624.15	-393.31	713.01	646.78	66.23	10.766		
7,500.00	7,181.19	7,373.48	7,094.33	35.38	38.22	51.32	-623.23	-394.22	669.42	603.32	66.10	10.127		
7,550.00	7,191.34	7,385.66	7,106.47	35.81	38.25	59.60	-622.50	-394.94	625.02	559.05	65.96	9.475		
7,600.00	7,197.65	7,394.32	7,115.10	36.28	38.27	68.86	-621.97	-395.45	580.16	514.33	65.83	8.813		
7,650.00	7,200.08	7,399.39	7,120.15	36.80	38.29	78.41	-621.66	-395.75	535.22	469.51	65.71	8.145		
7,667.87	7,200.00	7,400.31	7,121.07	36.99	38.29	81.73	-621.60	-395.81	519.22	453.55	65.68	7.906		
7,700.00	7,199.42	7,401.56	7,122.31	37.35	38.29	82.03	-621.53	-395.88	490.72	425.09	65.62	7.478		
7,800.00	7,197.60	7,405.46	7,126.20	38.62	38.30	82.99	-621.28	-396.12	405.45	339.77	65.68	6.173		
7,900.00	7,195.78	7,409.40	7,130.12	40.06	38.31	83.96	-621.04	-396.36	328.55	262.04	66.51	4.940		
8,000.00	7,193.97	7,413.38	7,134.09	41.66	38.33	84.94	-620.78	-396.60	267.33	198.16	69.17	3.865		
8,100.00	7,192.15	7,417.40	7,138.09	43.40	38.34	85.93	-620.53	-396.84	234.42	160.00	74.42	3.150		
8,132.26	7,191.56	7,408.00	7,128.73	43.99	38.31	83.62	-621.12	-396.27	232.39	156.76	75.63	3.073 CC, ES, SF		
8,200.00	7,190.33	7,408.00	7,128.73	45.25	38.31	83.62	-621.12	-396.27	242.06	163.43	78.63	3.079		
8,300.00	7,188.51	7,408.00	7,128.73	47.20	38.31	83.62	-621.12	-396.27	286.60	206.68	79.93	3.586		
8,400.00	7,186.70	7,408.00	7,128.73	49.25	38.31	83.62	-621.12	-396.27	354.53	275.48	79.05	4.485		
8,500.00	7,184.88	7,408.00	7,128.73	51.37	38.31	83.62	-621.12	-396.27	435.02	357.27	77.75	5.595		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,183.06	7,408.00	7,128.73	53.56	38.31	83.62	-621.12	-396.27	522.29	445.69	76.60	6.818		
8,700.00	7,181.24	7,408.00	7,128.73	55.81	38.31	83.62	-621.12	-396.27	613.46	537.78	75.68	8.106		
8,800.00	7,179.43	7,408.00	7,128.73	58.11	38.31	83.62	-621.12	-396.27	707.03	632.06	74.97	9.431		
8,900.00	7,177.61	7,408.00	7,128.73	60.46	38.31	83.62	-621.12	-396.27	802.14	727.74	74.40	10.781		
9,000.00	7,175.79	7,408.00	7,128.73	62.85	38.31	83.62	-621.12	-396.27	898.32	824.37	73.95	12.147		
9,100.00	7,173.98	7,408.00	7,128.73	65.28	38.31	83.62	-621.12	-396.27	995.26	921.66	73.59	13.524		
9,200.00	7,172.16	7,408.00	7,128.73	67.74	38.31	83.62	-621.12	-396.27	1,092.74	1,019.44	73.30	14.908		
9,300.00	7,170.34	7,408.00	7,128.73	70.23	38.31	83.62	-621.12	-396.27	1,190.64	1,117.59	73.05	16.298		
9,400.00	7,168.52	7,408.00	7,128.73	72.74	38.31	83.62	-621.12	-396.27	1,288.87	1,216.02	72.85	17.692		
9,500.00	7,166.71	7,408.00	7,128.73	75.28	38.31	83.62	-621.12	-396.27	1,387.35	1,314.67	72.68	19.088		
9,600.00	7,164.89	7,408.00	7,128.73	77.84	38.31	83.62	-621.12	-396.27	1,486.03	1,413.49	72.54	20.487		
9,700.00	7,163.07	7,408.00	7,128.73	80.43	38.31	83.62	-621.12	-396.27	1,584.87	1,512.46	72.41	21.886		
9,800.00	7,161.26	7,408.00	7,128.73	83.02	38.31	83.62	-621.12	-396.27	1,683.86	1,611.55	72.31	23.286		
9,900.00	7,159.44	7,408.00	7,128.73	85.64	38.31	83.62	-621.12	-396.27	1,782.95	1,710.73	72.22	24.687		
10,000.00	7,157.62	7,408.00	7,128.73	88.27	38.31	83.62	-621.12	-396.27	1,882.15	1,810.00	72.15	26.088		
10,100.00	7,155.80	7,408.00	7,128.73	90.91	38.31	83.62	-621.12	-396.27	1,981.42	1,909.34	72.08	27.488		
10,200.00	7,153.99	7,408.00	7,128.73	93.56	38.31	83.62	-621.12	-396.27	2,080.76	2,008.73	72.03	28.888		
10,300.00	7,152.17	7,408.00	7,128.73	96.23	38.31	83.62	-621.12	-396.27	2,180.17	2,108.18	71.98	30.287		
10,400.00	7,150.35	7,408.00	7,128.73	98.90	38.31	83.62	-621.12	-396.27	2,279.62	2,207.67	71.95	31.685		
10,500.00	7,148.54	7,408.00	7,128.73	101.59	38.31	83.62	-621.12	-396.27	2,379.12	2,307.21	71.92	33.082		
10,600.00	7,146.72	7,408.00	7,128.73	104.28	38.31	83.62	-621.12	-396.27	2,478.66	2,406.77	71.89	34.478		
10,700.00	7,144.90	7,408.00	7,128.73	106.98	38.31	83.62	-621.12	-396.27	2,578.24	2,506.37	71.87	35.873		
10,800.00	7,143.08	7,408.00	7,128.73	109.69	38.31	83.62	-621.12	-396.27	2,677.85	2,605.99	71.86	37.266		
10,900.00	7,141.27	7,408.00	7,128.73	112.41	38.31	83.62	-621.12	-396.27	2,777.48	2,705.64	71.85	38.658		
11,000.00	7,139.45	7,408.00	7,128.73	115.13	38.31	83.62	-621.12	-396.27	2,877.15	2,805.30	71.84	40.048		
11,100.00	7,137.63	7,408.00	7,128.73	117.86	38.31	83.62	-621.12	-396.27	2,976.83	2,904.99	71.84	41.436		
11,200.00	7,135.82	7,408.00	7,128.73	120.59	38.31	83.62	-621.12	-396.27	3,076.53	3,004.69	71.84	42.823		
11,300.00	7,134.00	7,408.00	7,128.73	123.33	38.31	83.62	-621.12	-396.27	3,176.26	3,104.41	71.85	44.208		
11,400.00	7,132.18	7,408.00	7,128.73	126.07	38.31	83.62	-621.12	-396.27	3,276.00	3,204.14	71.86	45.591		
11,500.00	7,130.36	7,408.00	7,128.73	128.82	38.31	83.62	-621.12	-396.27	3,375.75	3,303.89	71.87	46.971		
11,600.00	7,128.55	7,408.00	7,128.73	131.57	38.31	83.62	-621.12	-396.27	3,475.52	3,403.64	71.88	48.350		
11,700.00	7,126.73	7,408.00	7,128.73	134.33	38.31	83.62	-621.12	-396.27	3,575.31	3,503.41	71.90	49.727		
11,800.00	7,124.91	7,408.00	7,128.73	137.09	38.31	83.62	-621.12	-396.27	3,675.10	3,603.18	71.92	51.101		
11,900.00	7,123.10	7,408.00	7,128.73	139.85	38.31	83.62	-621.12	-396.27	3,774.90	3,702.97	71.94	52.473		
12,000.00	7,121.28	7,408.00	7,128.73	142.62	38.31	83.62	-621.12	-396.27	3,874.72	3,802.76	71.96	53.843		
12,100.00	7,119.46	7,408.00	7,128.73	145.39	38.31	83.62	-621.12	-396.27	3,974.54	3,902.56	71.99	55.210		
12,200.00	7,117.64	7,408.00	7,128.73	148.16	38.31	83.62	-621.12	-396.27	4,074.38	4,002.36	72.02	56.575		
12,300.00	7,115.83	7,408.00	7,128.73	150.94	38.31	83.62	-621.12	-396.27	4,174.22	4,102.17	72.05	57.937		
12,400.00	7,114.01	7,408.00	7,128.73	153.72	38.31	83.62	-621.12	-396.27	4,274.07	4,201.99	72.08	59.297		
12,500.00	7,112.19	7,408.00	7,128.73	156.50	38.31	83.62	-621.12	-396.27	4,373.92	4,301.81	72.11	60.654		
12,600.00	7,110.37	7,408.00	7,128.73	159.28	38.31	83.62	-621.12	-396.27	4,473.78	4,401.64	72.15	62.009		
12,700.00	7,108.56	7,408.00	7,128.73	162.07	38.31	83.62	-621.12	-396.27	4,573.65	4,501.47	72.18	63.361		
12,800.00	7,106.74	7,408.00	7,128.73	164.86	38.31	83.62	-621.12	-396.27	4,673.53	4,601.30	72.22	64.710		
12,900.00	7,104.92	7,408.00	7,128.73	167.65	38.31	83.62	-621.12	-396.27	4,773.41	4,701.14	72.26	66.056		
13,000.00	7,103.11	7,408.00	7,128.73	170.44	38.31	83.62	-621.12	-396.27	4,873.29	4,800.98	72.30	67.399		
13,100.00	7,101.29	7,408.00	7,128.73	173.23	38.31	83.62	-621.12	-396.27	4,973.18	4,900.83	72.35	68.740		
13,200.00	7,099.47	7,408.00	7,128.73	176.03	38.31	83.62	-621.12	-396.27	5,073.07	5,000.68	72.39	70.077		
13,300.00	7,097.65	7,408.00	7,128.73	178.82	38.31	83.62	-621.12	-396.27	5,172.97	5,100.53	72.44	71.412		
13,400.00	7,095.84	7,408.00	7,128.73	181.62	38.31	83.62	-621.12	-396.27	5,272.87	5,200.38	72.49	72.743		
13,500.00	7,094.02	7,408.00	7,128.73	184.42	38.31	83.62	-621.12	-396.27	5,372.77	5,300.24	72.53	74.072		
13,600.00	7,092.20	7,408.00	7,128.73	187.22	38.31	83.62	-621.12	-396.27	5,472.68	5,400.10	72.59	75.397		
13,700.00	7,090.39	7,408.00	7,128.73	190.03	38.31	83.62	-621.12	-396.27	5,572.59	5,499.96	72.64	76.719		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,088.57	7,408.00	7,128.73	192.83	38.31	83.62	-621.12	-396.27	5,672.51	5,599.82	72.69	78.038		
13,900.00	7,086.75	7,408.00	7,128.73	195.64	38.31	83.62	-621.12	-396.27	5,772.42	5,699.68	72.74	79.354		
14,000.00	7,084.93	7,408.00	7,128.73	198.44	38.31	83.62	-621.12	-396.27	5,872.35	5,799.55	72.80	80.666		
14,100.00	7,083.12	7,408.00	7,128.73	201.25	38.31	83.62	-621.12	-396.27	5,972.27	5,899.41	72.85	81.976		
14,200.00	7,081.30	7,408.00	7,128.73	204.06	38.31	83.62	-621.12	-396.27	6,072.19	5,999.28	72.91	83.281		
14,300.00	7,079.48	7,408.00	7,128.73	206.87	38.31	83.62	-621.12	-396.27	6,172.12	6,099.15	72.97	84.584		
14,400.00	7,077.67	7,408.00	7,128.73	209.68	38.31	83.62	-621.12	-396.27	6,272.05	6,199.02	73.03	85.883		
14,500.00	7,075.85	7,408.00	7,128.73	212.49	38.31	83.62	-621.12	-396.27	6,371.98	6,298.89	73.09	87.179		
14,600.00	7,074.03	7,408.00	7,128.73	215.31	38.31	83.62	-621.12	-396.27	6,471.92	6,398.77	73.15	88.471		
14,700.00	7,072.21	7,408.00	7,128.73	218.12	38.31	83.62	-621.12	-396.27	6,571.86	6,498.64	73.22	89.760		
14,800.00	7,070.40	7,408.00	7,128.73	220.93	38.31	83.62	-621.12	-396.27	6,671.79	6,598.51	73.28	91.046		
14,900.00	7,068.58	7,408.00	7,128.73	223.75	38.31	83.62	-621.12	-396.27	6,771.73	6,698.39	73.34	92.327		
15,000.00	7,066.76	7,408.00	7,128.73	226.57	38.31	83.62	-621.12	-396.27	6,871.68	6,798.26	73.41	93.606		
15,100.00	7,064.95	7,408.00	7,128.73	229.38	38.31	83.62	-621.12	-396.27	6,971.62	6,898.14	73.48	94.880		
15,200.00	7,063.13	7,408.00	7,128.73	232.20	38.31	83.62	-621.12	-396.27	7,071.56	6,998.02	73.55	96.151		
15,300.00	7,061.31	7,408.00	7,128.73	235.02	38.31	83.62	-621.12	-396.27	7,171.51	7,097.90	73.62	97.419		
15,400.00	7,059.49	7,408.00	7,128.73	237.84	38.31	83.62	-621.12	-396.27	7,271.46	7,197.77	73.69	98.683		
15,500.00	7,057.68	7,408.00	7,128.73	240.66	38.31	83.62	-621.12	-396.27	7,371.41	7,297.65	73.76	99.943		
15,600.00	7,055.86	7,408.00	7,128.73	243.48	38.31	83.62	-621.12	-396.27	7,471.36	7,397.53	73.83	101.199		
15,647.29	7,055.00	7,408.00	7,128.73	244.81	38.31	83.62	-621.12	-396.27	7,518.63	7,444.77	73.86	101.792		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 Depths are relative to GL 4770+KB 20 @ 4790.00ft

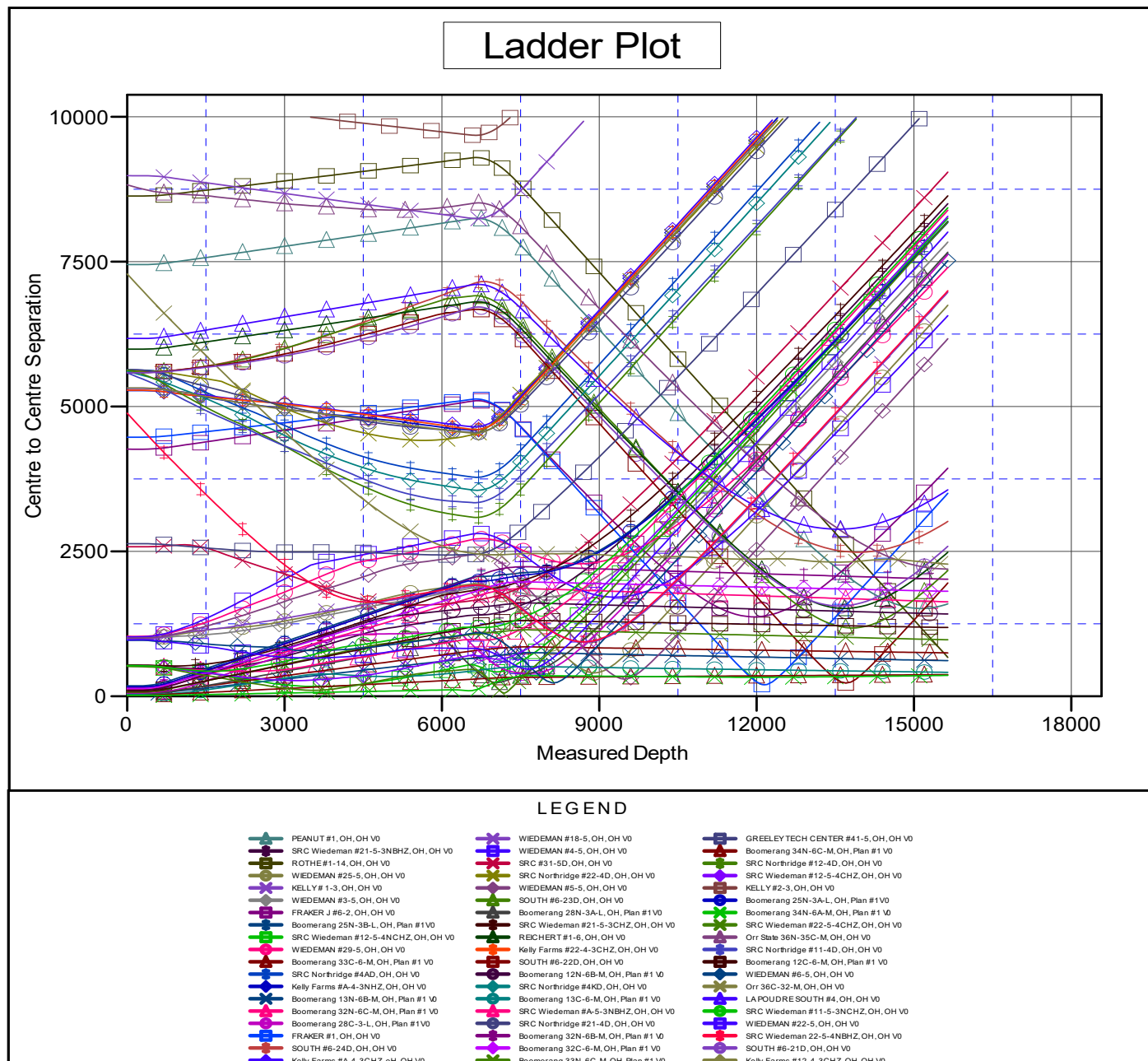
Offset Depths are relative to Offset Datum

Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 34C-6-M

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 34C-6-M
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Boomerang 34C-6-M
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

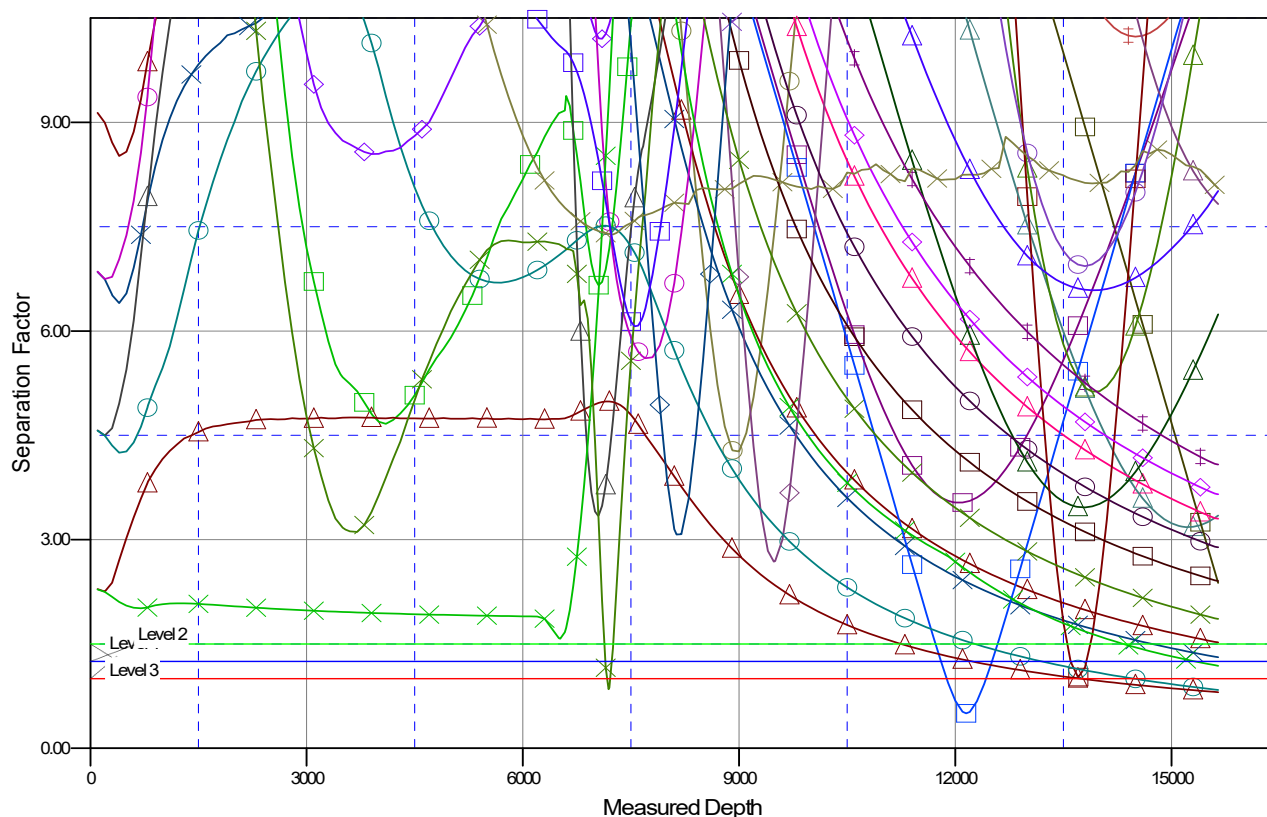
Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 34C-6-M

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 | Boomerang 34N-6C-M, OH, Plan #1 V0 |
| ROTHE #1-14, OH, OH V0 | SRC 31-5D, OH, OH V0 | SRC Northridge #12-4D, OH, OH V0 |
| WIEDEMAN #25-5, OH, OH V0 | SRC Northridge #22-4D, OH, OH V0 | SRC Wiedeman #12-5-4CHZ, OH, OH V0 |
| KELLY #1-3, OH, OH V0 | WIEDEMAN #5-5, OH, OH V0 | KELLY #2-3, OH, OH V0 |
| WIEDEMAN #3-5, OH, OH V0 | SOUTH #6-23D, OH, OH V0 | Boomerang 25N-3A-L, OH, Plan #1 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 | SRC Wiedeman #22-5-4CHZ, OH, OH V0 |
| SRC Wiedeman #12-5-4NCHZ, OH, OH V0 | RECHERT #1-6, OH, OH V0 | Orr State 36N-35C-M, OH, OH V0 |
| WIEDEMAN #29-5, OH, OH V0 | Kelly Farms #22-4-3CHZ, OH, OH V0 | SRC Northridge #11-4D, OH, OH V0 |
| Boomerang 33C-6-M, OH, Plan #1 V0 | SOUTH #6-22D, OH, OH V0 | Boomerang 12C-6-M, OH, Plan #1 V0 |
| SRC Northridge #4AD, OH, OH V0 | Boomerang 12N-6B-M, OH, Plan #1 V0 | WIEDEMAN #6-5, OH, OH V0 |
| Kelly Farms #A-4-3NHZ, OH, OH V0 | SRC Northridge #4KD, OH, OH V0 | Orr 36C-32-M, 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 #11-5-3NCHZ, 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 |