



Synergy Resources Corporation

SEC 5-T5N-R66W

Boomerang 21-5

Boomerang 34N-6A-M

OH

Plan #1

Anticollision Report

05 April, 2017

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	15,334.55	Plan #1 (OH)	MWD+IFR1	OWSG MWD + IFR1	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
Boomerang 12C-6-M - OH - Plan #1	300.00	300.00	75.02	68.13	10.889	CC, ES
Boomerang 12C-6-M - OH - Plan #1	15,335.52	15,703.90	1,027.86	551.04	2.156	SF
Boomerang 12N-6B-M - OH - Plan #1	200.00	200.00	90.03	83.36	13.490	CC, ES
Boomerang 12N-6B-M - OH - Plan #1	15,335.52	15,618.10	1,209.80	715.34	2.447	SF
Boomerang 13C-6-M - OH - Plan #1	300.00	300.00	15.00	8.11	2.177	CC, ES
Boomerang 13C-6-M - OH - Plan #1	15,334.19	15,696.53	363.58	43.61	1.136	Level 2, SF
Boomerang 13N-6B-M - OH - Plan #1	300.94	300.96	29.94	23.05	4.346	CC
Boomerang 13N-6B-M - OH - Plan #1	15,335.52	15,460.74	398.70	-77.32	0.838	Level 1, ES, SF
Boomerang 25N-3A-L - OH - Plan #1	300.00	300.00	150.20	143.31	21.800	CC, ES
Boomerang 25N-3A-L - OH - Plan #1	500.00	489.44	160.76	153.16	21.134	SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	165.09	158.42	24.736	CC, ES
Boomerang 25N-3B-L - OH - Plan #1	400.00	388.85	172.62	165.40	23.915	SF
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	60.03	53.36	8.995	CC, ES
Boomerang 28C-3-L - OH - Plan #1	7,800.00	7,025.83	534.78	460.75	7.224	SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	45.03	38.36	6.747	CC, ES
Boomerang 28N-3A-L - OH - Plan #1	7,406.04	6,995.38	317.63	249.36	4.653	SF
Boomerang 32C-6-M - OH - Plan #1	200.00	200.00	120.06	113.39	17.989	CC, ES
Boomerang 32C-6-M - OH - Plan #1	15,335.52	15,846.35	1,637.79	1,148.38	3.347	SF
Boomerang 32N-6B-M - OH - Plan #1	300.00	300.00	135.06	128.17	19.603	CC, ES
Boomerang 32N-6B-M - OH - Plan #1	15,335.52	15,738.53	1,813.11	1,316.54	3.651	SF
Boomerang 32N-6C-M - OH - Plan #1	300.00	300.00	105.06	98.17	15.249	CC, ES
Boomerang 32N-6C-M - OH - Plan #1	15,335.52	15,706.13	1,436.52	943.99	2.917	SF
Boomerang 33C-6-M - OH - Plan #1	300.00	300.00	45.03	38.14	6.536	CC, ES
Boomerang 33C-6-M - OH - Plan #1	15,335.52	15,648.52	621.50	179.24	1.405	Level 3, SF
Boomerang 33N-6C-M - OH - Plan #1	200.00	200.00	60.03	53.36	8.995	CC, ES
Boomerang 33N-6C-M - OH - Plan #1	15,335.52	15,589.88	785.30	267.80	1.517	SF
Boomerang 34C-6-M - OH - Plan #1	300.00	300.00	15.00	8.11	2.177	CC
Boomerang 34C-6-M - OH - Plan #1	400.00	399.66	15.14	7.94	2.104	ES
Boomerang 34C-6-M - OH - Plan #1	15,335.52	15,651.50	360.95	56.31	1.185	Level 2, SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	30.03	23.36	4.500	CC, ES
Boomerang 34N-6C-M - OH - Plan #1	15,335.52	15,517.77	580.56	113.09	1.242	Level 2, SF
FRAKER #1 - OH - OH	11,840.43	6,815.72	96.19	-287.22	0.251	Level 1, CC, ES, SF
FRAKER J #6-2 - OH - OH	11,680.89	6,773.99	1,274.32	896.84	3.376	CC
FRAKER J #6-2 - OH - OH	11,700.00	6,773.72	1,274.46	896.55	3.372	ES
FRAKER J #6-2 - OH - OH	11,800.00	6,772.30	1,279.87	900.21	3.371	SF
GREELEY TECH CENTER #41-5 - OH - OH	6,244.46	6,136.05	2,330.38	2,274.28	41.536	CC
GREELEY TECH CENTER #41-5 - OH - OH	6,250.00	6,141.78	2,330.40	2,274.25	41.499	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 34N-6A-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 34N-6A-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	6,500.00	6,394.51	2,368.41	2,310.23	40.703	SF
KELLY # 1-3 - OH - OH	6,321.19	6,212.17	8,220.35	7,975.83	33.617	CC
KELLY # 1-3 - OH - OH	6,350.00	6,240.78	8,221.00	7,975.36	33.467	ES
KELLY # 1-3 - OH - OH	6,850.00	6,678.34	8,427.72	8,165.61	32.154	SF
KELLY #2-3 - OH - OH	6,310.29	6,185.34	9,638.21	9,394.41	39.533	CC
KELLY #2-3 - OH - OH	6,350.00	6,224.78	9,639.45	9,394.10	39.289	ES
KELLY #2-3 - OH - OH	6,900.00	6,705.79	9,890.78	9,627.37	37.549	SF
Kelly Farms #12-4-3CHZ - OH - OH	6,320.16	6,228.35	4,505.43	4,449.47	80.505	CC, ES
Kelly Farms #12-4-3CHZ - OH - OH	6,550.00	6,342.00	4,549.43	4,492.15	79.421	SF
Kelly Farms #22-4-3CHZ - OH - OH	6,323.08	6,227.20	4,580.70	4,524.28	81.189	CC, ES
Kelly Farms #22-4-3CHZ - OH - OH	6,450.00	6,450.00	4,593.53	4,535.70	79.423	SF
Kelly Farms #A-4-3CHZ - OH - OH	6,322.70	6,290.96	4,612.73	4,555.81	81.045	CC, ES
Kelly Farms #A-4-3CHZ - OH - OH	6,600.00	6,441.00	4,675.95	4,617.44	79.920	SF
Kelly Farms #A-4-3NHZ - OH - OH	6,299.44	6,133.53	4,541.50	4,483.82	78.740	CC
Kelly Farms #A-4-3NHZ - OH - OH	6,300.00	6,133.78	4,541.50	4,483.82	78.735	ES
Kelly Farms #A-4-3NHZ - OH - OH	6,450.00	6,276.61	4,559.94	4,501.14	77.543	SF
LA POUDRE SOUTH #4 - OH - OH	13,320.63	6,817.66	2,740.62	2,315.63	6.449	CC
LA POUDRE SOUTH #4 - OH - OH	13,400.00	6,816.53	2,741.77	2,314.82	6.422	ES
LA POUDRE SOUTH #4 - OH - OH	13,600.00	6,813.68	2,754.82	2,323.62	6.389	SF
Orr 36C-32-M - OH - OH	6,950.00	16,175.00	2,336.38	2,008.03	7.116	SF
Orr 36C-32-M - OH - OH	15,335.52	7,681.00	2,101.86	1,819.57	7.446	CC, ES
Orr State 36N-35C-M - OH - OH	15,335.52	7,390.69	1,996.25	1,713.24	7.054	CC, ES, SF
PEANUT #1 - OH - OH	14,871.62	6,749.59	1,326.07	859.66	2.843	CC
PEANUT #1 - OH - OH	14,900.00	6,749.19	1,326.37	859.34	2.840	ES, SF
REICHERT #1-6 - OH - OH	13,406.19	6,818.44	1,370.05	942.62	3.205	CC, ES
REICHERT #1-6 - OH - OH	13,500.00	6,817.11	1,373.25	944.03	3.199	SF
ROTHE #1-14 - OH - OH	15,335.52	6,788.99	699.23	388.00	2.247	CC, ES, SF
SOUTH #6-21D - OH - OH	13,307.62	7,110.87	1,408.66	1,186.48	6.340	CC, ES
SOUTH #6-21D - OH - OH	13,500.00	7,108.80	1,421.73	1,194.89	6.268	SF
SOUTH #6-22D - OH - OH	13,391.94	6,846.36	75.74	-146.44	0.341	Level 1, CC, ES, SF
SOUTH #6-23D - OH - OH	13,471.25	6,885.62	1,323.19	1,097.00	5.850	CC
SOUTH #6-23D - OH - OH	13,500.00	6,885.19	1,323.50	1,096.24	5.824	ES
SOUTH #6-23D - OH - OH	13,600.00	6,883.73	1,329.43	1,099.16	5.773	SF
SOUTH #6-24D - OH - OH	13,508.57	6,368.87	2,536.46	2,315.90	11.500	CC
SOUTH #6-24D - OH - OH	13,600.00	6,378.35	2,538.08	2,313.90	11.321	ES
SOUTH #6-24D - OH - OH	14,200.00	6,435.58	2,627.84	2,385.03	10.823	SF
SRC #31-5D - OH - OH	5,573.86	5,869.70	1,479.89	1,426.15	27.540	CC
SRC #31-5D - OH - OH	5,600.00	5,888.55	1,479.95	1,426.06	27.459	ES
SRC #31-5D - OH - OH	6,750.00	6,891.89	1,597.12	1,534.87	25.657	SF
SRC Northridge #11-4D - OH - OH	6,293.83	6,704.38	3,264.97	3,128.58	23.939	CC
SRC Northridge #11-4D - OH - OH	6,300.00	6,710.29	3,265.00	3,128.56	23.930	ES
SRC Northridge #11-4D - OH - OH	6,400.00	6,807.05	3,273.15	3,136.05	23.874	SF
SRC Northridge #12-4D - OH - OH	6,335.89	6,594.35	3,061.32	3,000.51	50.346	CC, ES
SRC Northridge #12-4D - OH - OH	6,500.00	6,705.39	3,083.72	3,021.89	49.880	SF
SRC Northridge #21-4D - OH - OH	6,307.08	6,468.98	4,488.00	4,413.78	60.474	CC, ES
SRC Northridge #21-4D - OH - OH	6,500.00	6,628.29	4,516.43	4,441.07	59.936	SF
SRC Northridge #22-4D - OH - OH	5,697.89	5,065.90	4,362.38	4,316.41	94.896	CC
SRC Northridge #22-4D - OH - OH	5,700.00	5,065.90	4,362.38	4,316.40	94.881	ES
SRC Northridge #22-4D - OH - OH	6,250.00	5,065.90	4,397.28	4,349.79	92.590	SF
SRC Northridge #4AD - OH - OH	6,325.97	6,481.54	3,743.07	3,673.06	53.465	CC, ES
SRC Northridge #4AD - OH - OH	6,550.00	6,717.48	3,781.03	3,709.47	52.839	SF
SRC Northridge #4KD - OH - OH	6,334.82	6,440.42	3,555.10	3,479.54	47.046	CC, ES
SRC Northridge #4KD - OH - OH	6,450.00	6,544.14	3,565.38	3,489.29	46.858	SF

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 34N-6A-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 #11-5-3NCHZ - OH - OH	1,728.48	1,687.21	404.83	388.74	25.160	CC, ES
SRC Wiedeman #11-5-3NCHZ - OH - OH	6,900.00	6,793.36	1,091.71	1,030.74	17.906	SF
SRC Wiedeman #12-5-4CHZ - OH - OH	3,231.55	3,208.99	211.53	181.92	7.144	CC, ES
SRC Wiedeman #12-5-4CHZ - OH - OH	3,500.00	3,472.47	220.15	188.19	6.889	SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	3,437.31	3,418.76	112.37	80.87	3.567	CC, ES
SRC Wiedeman #12-5-4NCHZ - OH - OH	3,500.00	3,478.71	113.46	81.36	3.535	SF
SRC Wiedeman #21-5-3CHZ - OH - OH	1,062.81	1,019.30	509.05	498.17	46.768	CC
SRC Wiedeman #21-5-3CHZ - OH - OH	1,100.00	1,053.37	509.23	498.06	45.600	ES
SRC Wiedeman #21-5-3CHZ - OH - OH	7,300.00	7,300.00	1,844.14	1,777.04	27.484	SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	1,488.11	1,445.43	455.58	441.54	32.463	CC
SRC Wiedeman #21-5-3NBHZ - OH - OH	1,500.00	1,456.18	455.60	441.47	32.250	ES
SRC Wiedeman #21-5-3NBHZ - OH - OH	6,900.00	6,777.91	1,314.22	1,253.16	21.524	SF
SRC Wiedeman #22-5-4CHZ - OH - OH	3,331.27	3,307.05	148.90	117.74	4.779	CC
SRC Wiedeman #22-5-4CHZ - OH - OH	7,081.96	6,901.69	169.77	105.49	2.641	ES, SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	2,509.05	2,483.38	383.78	360.77	16.682	CC, ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	6,850.00	6,789.74	872.76	811.92	14.347	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,370.99	2,199.47	861.49	796.52	13.260	CC
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,400.00	2,199.89	861.98	796.36	13.137	ES
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,500.00	2,201.36	871.09	803.56	12.900	SF
WIEDEMAN #18-5 - OH - OH	8,412.00	6,848.58	803.65	718.19	9.404	CC, ES
WIEDEMAN #18-5 - OH - OH	8,500.00	6,847.80	808.45	721.11	9.256	SF
WIEDEMAN #22-5 - OH - OH	7,250.00	7,206.16	617.63	541.31	8.093	SF
WIEDEMAN #22-5 - OH - OH	7,327.68	7,212.34	611.66	536.97	8.189	ES
WIEDEMAN #22-5 - OH - OH	7,332.77	7,212.38	611.64	537.05	8.200	CC
WIEDEMAN #25-5 - OH - OH	8,601.00	7,107.66	527.15	433.62	5.636	CC, ES
WIEDEMAN #25-5 - OH - OH	8,700.00	7,105.93	536.36	439.88	5.560	SF
WIEDEMAN #29-5 - OH - OH	100.00	59.88	1,029.92	1,023.35	156.699	CC, ES
WIEDEMAN #29-5 - OH - OH	9,100.00	6,936.11	2,309.64	2,209.19	22.991	SF
WIEDEMAN #3-5 - OH - OH	573.27	631.94	1,008.60	1,000.31	121.671	CC, ES
WIEDEMAN #3-5 - OH - OH	8,100.00	6,888.87	1,630.68	1,550.37	20.305	SF
WIEDEMAN #4-5 - OH - OH	100.00	56.05	1,019.82	1,013.24	155.184	CC, ES
WIEDEMAN #4-5 - OH - OH	9,400.00	6,907.59	1,641.40	1,528.99	14.602	SF
WIEDEMAN #5-5 - OH - OH	9,160.87	6,976.22	165.46	55.66	1.507	CC, ES, SF
WIEDEMAN #6-5 - OH - OH	7,801.32	7,103.23	83.40	8.52	1.114	Level 2, 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5.54	74.67	7.24	75.02					
100.00	100.00	100.00	100.00	3.28	3.28	5.54	74.67	7.24	75.02	68.45	6.57	11.420		
200.00	200.00	200.00	200.00	3.34	3.34	5.54	74.67	7.24	75.02	68.35	6.67	11.241		
300.00	300.00	300.00	300.00	3.44	3.44	5.54	74.67	7.24	75.02	68.13	6.89	10.889	CC, ES	
400.00	399.98	398.72	398.70	3.60	3.60	-124.48	75.35	8.80	76.85	69.65	7.20	10.675		
500.00	499.84	497.24	497.09	3.79	3.80	-124.25	77.36	13.47	82.31	74.71	7.59	10.838		
600.00	599.45	595.38	594.85	4.03	4.03	-123.92	80.70	21.21	91.39	83.32	8.07	11.323		
700.00	698.70	692.94	691.71	4.30	4.30	-123.52	85.34	31.94	104.07	95.46	8.62	12.076		
785.00	782.69	775.99	773.84	4.56	4.56	-123.27	90.22	43.25	117.54	108.42	9.13	12.876		
800.00	797.47	809.23	788.45	4.60	4.66	-123.32	91.12	45.33	120.08	110.79	9.28	12.935		

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

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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34N-6A-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		
900.00	896.04	889.34	885.85	4.94	4.93	-123.64	97.09	59.17	136.96	127.09	9.87	13.874		
1,000.00	994.61	987.90	983.25	5.30	5.27	-123.89	103.07	73.02	153.84	143.28	10.56	14.565		
1,100.00	1,093.18	1,086.46	1,080.65	5.69	5.64	-124.09	109.05	86.86	170.73	159.44	11.29	15.123		
1,200.00	1,191.75	1,185.02	1,178.06	6.08	6.02	-124.25	115.02	100.71	187.62	175.58	12.04	15.577		
1,300.00	1,290.32	1,283.58	1,275.46	6.49	6.41	-124.39	121.00	114.55	204.51	191.69	12.82	15.948		
1,400.00	1,388.89	1,382.15	1,372.86	6.91	6.81	-124.51	126.98	128.39	221.40	207.78	13.62	16.253		
1,500.00	1,487.46	1,480.71	1,470.26	7.34	7.21	-124.61	132.95	142.24	238.29	223.86	14.44	16.506		
1,600.00	1,586.03	1,579.27	1,567.66	7.77	7.63	-124.69	138.93	156.08	255.19	239.92	15.27	16.717		
1,700.00	1,684.61	1,677.83	1,665.06	8.22	8.05	-124.77	144.91	169.92	272.08	255.98	16.11	16.894		
1,800.00	1,783.18	1,776.39	1,762.47	8.66	8.47	-124.83	150.88	183.77	288.97	272.02	16.96	17.043		
1,900.00	1,881.75	1,874.96	1,859.87	9.11	8.90	-124.89	156.86	197.61	305.87	288.05	17.81	17.170		
2,000.00	1,980.32	1,973.52	1,957.27	9.57	9.33	-124.95	162.83	211.45	322.76	304.08	18.68	17.279		
2,100.00	2,078.89	2,072.08	2,054.67	10.02	9.77	-125.00	168.81	225.30	339.66	320.11	19.55	17.372		
2,200.00	2,177.46	2,170.64	2,152.07	10.49	10.20	-125.04	174.79	239.14	356.55	336.12	20.43	17.453		
2,300.00	2,276.03	2,269.21	2,249.48	10.95	10.64	-125.08	180.76	252.99	373.45	352.13	21.31	17.523		
2,400.00	2,374.60	2,367.77	2,346.88	11.41	11.09	-125.11	186.74	266.83	390.34	368.14	22.20	17.584		
2,500.00	2,473.17	2,466.33	2,444.28	11.88	11.53	-125.15	192.72	280.67	407.24	384.15	23.09	17.638		
2,600.00	2,571.74	2,564.89	2,541.68	12.35	11.97	-125.18	198.69	294.52	424.13	400.15	23.98	17.685		
2,700.00	2,670.31	2,663.45	2,639.08	12.82	12.42	-125.21	204.67	308.36	441.03	416.15	24.88	17.727		
2,800.00	2,768.88	2,762.02	2,736.49	13.29	12.87	-125.23	210.65	322.20	457.92	432.14	25.78	17.764		
2,900.00	2,867.45	2,860.58	2,833.89	13.76	13.32	-125.26	216.62	336.05	474.82	448.14	26.68	17.796		
3,000.00	2,966.02	2,959.14	2,931.29	14.24	13.77	-125.28	222.60	349.89	491.71	464.13	27.58	17.826		
3,100.00	3,064.59	3,057.70	3,028.69	14.71	14.22	-125.30	228.57	363.74	508.61	480.12	28.49	17.852		
3,200.00	3,163.16	3,156.27	3,126.09	15.19	14.67	-125.32	234.55	377.58	525.51	496.11	29.40	17.875		
3,300.00	3,261.73	3,254.83	3,223.50	15.66	15.13	-125.34	240.53	391.42	542.40	512.09	30.31	17.897		
3,400.00	3,360.30	3,353.39	3,320.90	16.14	15.58	-125.35	246.50	405.27	559.30	528.08	31.22	17.916		
3,500.00	3,458.87	3,451.95	3,418.30	16.62	16.03	-125.37	252.48	419.11	576.19	544.06	32.13	17.933		
3,600.00	3,557.44	3,550.51	3,515.70	17.10	16.49	-125.39	258.46	432.95	593.09	560.05	33.04	17.948		
3,700.00	3,656.01	3,649.08	3,613.10	17.58	16.94	-125.40	264.43	446.80	609.99	576.03	33.96	17.963		
3,800.00	3,754.58	3,747.64	3,710.51	18.06	17.40	-125.41	270.41	460.64	626.88	592.01	34.87	17.976		
3,900.00	3,853.15	3,846.20	3,807.91	18.54	17.86	-125.43	276.39	474.48	643.78	607.99	35.79	17.987		
4,000.00	3,951.72	3,944.76	3,905.31	19.02	18.31	-125.44	282.36	488.33	660.67	623.97	36.71	17.998		
4,100.00	4,050.29	4,043.32	4,002.71	19.50	18.77	-125.45	288.34	502.17	677.57	639.94	37.63	18.008		
4,200.00	4,148.86	4,141.89	4,100.11	19.98	19.23	-125.46	294.31	516.02	694.47	655.92	38.55	18.017		
4,300.00	4,247.43	4,240.45	4,197.52	20.46	19.69	-125.47	300.29	529.86	711.36	671.90	39.47	18.025		
4,400.00	4,346.00	4,339.01	4,294.92	20.94	20.14	-125.48	306.27	543.70	728.26	687.87	40.39	18.032		
4,500.00	4,444.58	4,437.57	4,392.32	21.43	20.60	-125.49	312.24	557.55	745.16	703.85	41.31	18.039		
4,600.00	4,543.15	4,536.14	4,489.72	21.91	21.06	-125.50	318.22	571.39	762.05	719.82	42.23	18.046		
4,700.00	4,641.72	4,634.70	4,587.12	22.39	21.52	-125.51	324.20	585.23	778.95	735.80	43.15	18.052		
4,800.00	4,740.29	4,733.26	4,684.52	22.87	21.98	-125.52	330.17	599.08	795.84	751.77	44.07	18.057		
4,900.00	4,838.86	4,831.82	4,781.93	23.36	22.44	-125.53	336.15	612.92	812.74	767.74	45.00	18.062		
5,000.00	4,937.43	4,930.38	4,879.33	23.84	22.90	-125.54	342.13	626.77	829.64	783.72	45.92	18.067		
5,100.00	5,036.00	5,028.95	4,976.73	24.32	23.36	-125.54	348.10	640.61	846.53	799.69	46.85	18.071		
5,200.00	5,134.57	5,127.51	5,074.13	24.81	23.82	-125.55	354.08	654.45	863.43	815.66	47.77	18.075		
5,300.00	5,233.14	5,226.07	5,171.53	25.29	24.28	-125.56	360.05	668.30	880.33	831.63	48.69	18.079		
5,400.00	5,331.71	5,324.63	5,268.94	25.78	24.74	-125.56	366.03	682.14	897.22	847.60	49.62	18.082		
5,500.00	5,430.28	5,423.19	5,366.34	26.26	25.20	-125.57	372.01	695.98	914.12	863.57	50.55	18.085		
5,600.00	5,528.85	5,521.76	5,463.74	26.75	25.66	-125.58	377.98	709.83	931.02	879.54	51.47	18.088		
5,700.00	5,627.42	5,620.32	5,561.14	27.23	26.12	-125.58	383.96	723.67	947.91	895.51	52.40	18.091		
5,800.00	5,725.99	5,718.88	5,658.54	27.72	26.58	-125.59	389.94	737.51	964.81	911.48	53.32	18.093		
5,900.00	5,824.56	5,817.44	5,755.95	28.20	27.05	-125.59	395.91	751.36	981.70	927.45	54.25	18.095		
6,000.00	5,923.13	5,916.01	5,853.35	28.69	27.51	-125.60	401.89	765.20	998.60	943.42	55.18	18.098		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
6,100.00	6,021.70	6,014.57	5,950.75	29.17	27.97	-125.60	407.87	779.05	1,015.50	959.39	56.11	18.100		
6,200.00	6,120.27	6,113.13	6,048.15	29.66	28.43	-125.61	413.84	792.89	1,032.39	975.36	57.03	18.101		
6,238.51	6,158.23	6,151.09	6,085.66	29.84	28.61	-125.61	416.14	798.22	1,038.90	981.51	57.39	18.102		
6,250.00	6,169.57	6,162.41	6,096.85	29.90	28.66	-130.20	416.83	799.81	1,040.85	983.36	57.50	18.103		
6,300.00	6,219.12	6,211.54	6,145.41	30.13	28.89	-159.79	419.81	806.71	1,049.62	991.67	57.95	18.112		
6,350.00	6,268.78	6,260.23	6,193.52	30.33	29.12	162.03	422.76	813.55	1,058.81	1,000.42	58.39	18.135		
6,400.00	6,318.25	6,308.17	6,240.89	30.52	29.34	136.91	425.67	820.28	1,068.43	1,009.62	58.81	18.168		
6,450.00	6,367.22	6,355.07	6,287.24	30.69	29.56	124.01	428.51	826.87	1,078.53	1,019.31	59.22	18.212		
6,500.00	6,415.39	6,400.63	6,332.27	30.86	29.78	116.90	431.27	833.27	1,089.20	1,029.57	59.63	18.266		
6,550.00	6,462.47	6,444.59	6,375.71	31.02	29.98	112.58	433.94	839.44	1,100.53	1,040.50	60.03	18.332		
6,600.00	6,508.16	6,491.18	6,421.78	31.18	30.20	109.83	436.76	845.84	1,112.63	1,052.15	60.47	18.399		
6,650.00	6,552.18	6,555.05	6,485.36	31.34	30.48	108.36	440.50	850.22	1,125.04	1,063.99	61.05	18.428		
6,700.00	6,594.26	6,624.23	6,554.35	31.51	30.75	107.46	444.32	847.76	1,137.40	1,075.79	61.61	18.461		
6,750.00	6,634.14	6,699.56	6,628.70	31.68	31.04	106.94	448.14	836.57	1,149.50	1,087.34	62.16	18.494		
6,800.00	6,671.58	6,781.84	6,707.79	31.86	31.36	106.68	451.85	814.42	1,161.07	1,098.40	62.67	18.526		
6,850.00	6,706.34	6,871.69	6,790.14	32.06	31.72	106.58	455.28	778.81	1,171.83	1,108.68	63.14	18.558		
6,900.00	6,738.21	6,969.34	6,872.99	32.27	32.15	106.53	458.21	727.39	1,181.43	1,117.85	63.59	18.580		
6,950.00	6,766.99	7,074.31	6,952.20	32.52	32.67	106.42	460.33	658.73	1,189.56	1,125.50	64.06	18.570		
7,000.00	6,792.51	7,185.15	7,022.44	32.80	33.34	106.16	461.38	573.17	1,195.89	1,131.22	64.67	18.492		
7,050.00	6,814.61	7,299.41	7,078.24	33.12	34.20	105.67	461.13	473.64	1,200.21	1,134.65	65.56	18.306		
7,100.00	6,833.15	7,413.94	7,115.48	33.48	35.27	104.92	459.53	365.51	1,202.42	1,135.58	66.84	17.990		
7,150.00	6,848.02	7,525.52	7,132.61	33.89	36.48	103.93	456.74	255.43	1,202.58	1,134.10	68.47	17.562		
7,200.00	6,859.13	7,601.40	7,133.72	34.35	37.39	103.15	454.21	179.63	1,201.19	1,131.22	69.97	17.166		
7,250.00	6,866.40	7,650.77	7,133.19	34.86	38.05	102.81	452.49	130.29	1,200.08	1,128.83	71.26	16.842		
7,300.00	6,869.79	7,700.60	7,132.66	35.40	38.72	102.65	450.76	80.49	1,199.43	1,126.90	72.53	16.537		
7,327.68	6,870.00	7,728.27	7,132.36	35.71	39.13	102.64	449.80	52.84	1,199.25	1,125.98	73.27	16.368		
7,400.00	6,868.97	7,800.59	7,131.59	36.61	40.21	102.66	447.28	-19.43	1,198.96	1,123.71	75.25	15.933		
7,500.00	6,867.54	7,900.59	7,130.52	38.01	41.85	102.68	443.81	-119.36	1,198.55	1,120.28	78.27	15.314		
7,600.00	6,866.12	8,000.59	7,129.45	39.58	43.61	102.70	440.33	-219.30	1,198.15	1,116.59	81.55	14.692		
7,700.00	6,864.69	8,100.58	7,128.37	41.29	45.48	102.72	436.85	-319.23	1,197.74	1,112.67	85.07	14.079		
7,800.00	6,863.27	8,200.58	7,127.30	43.12	47.45	102.74	433.37	-419.16	1,197.33	1,108.53	88.80	13.483		
7,900.00	6,861.85	8,300.58	7,126.23	45.06	49.50	102.77	429.90	-519.09	1,196.93	1,104.21	92.72	12.910		
8,000.00	6,860.42	8,400.58	7,125.16	47.10	51.63	102.79	426.42	-619.02	1,196.52	1,099.73	96.79	12.362		
8,100.00	6,859.00	8,500.58	7,124.09	49.21	53.82	102.81	422.94	-718.96	1,196.12	1,095.12	101.00	11.843		
8,200.00	6,857.57	8,600.58	7,123.02	51.40	56.07	102.83	419.47	-818.89	1,195.71	1,090.37	105.34	11.351		
8,300.00	6,856.15	8,700.57	7,121.95	53.65	58.38	102.85	415.99	-918.82	1,195.31	1,085.52	109.79	10.888		
8,400.00	6,854.72	8,800.57	7,120.88	55.96	60.72	102.88	412.51	-1,018.75	1,194.90	1,080.57	114.33	10.452		
8,500.00	6,853.30	8,900.57	7,119.81	58.31	63.11	102.90	409.04	-1,118.68	1,194.50	1,075.54	118.96	10.042		
8,600.00	6,851.88	9,000.57	7,118.74	60.70	65.54	102.92	405.56	-1,218.62	1,194.09	1,070.43	123.66	9.656		
8,700.00	6,850.45	9,100.57	7,117.67	63.14	68.00	102.94	402.08	-1,318.55	1,193.69	1,065.26	128.43	9.295		
8,800.00	6,849.03	9,200.56	7,116.60	65.60	70.48	102.96	398.60	-1,418.48	1,193.28	1,060.03	133.26	8.955		
8,900.00	6,847.60	9,300.56	7,115.53	68.10	73.00	102.98	395.13	-1,518.41	1,192.88	1,054.74	138.14	8.635		
9,000.00	6,846.18	9,400.56	7,114.46	70.62	75.53	103.01	391.65	-1,618.34	1,192.48	1,049.40	143.07	8.335		
9,100.00	6,844.75	9,500.56	7,113.39	73.17	78.09	103.03	388.17	-1,718.27	1,192.07	1,044.03	148.04	8.052		
9,200.00	6,843.33	9,600.56	7,112.32	75.73	80.67	103.05	384.70	-1,818.21	1,191.67	1,038.61	153.06	7.786		
9,300.00	6,841.91	9,700.56	7,111.25	78.32	83.26	103.07	381.22	-1,918.14	1,191.27	1,033.16	158.10	7.535		
9,400.00	6,840.48	9,800.55	7,110.18	80.92	85.87	103.09	377.74	-2,018.07	1,190.86	1,027.68	163.18	7.298		
9,500.00	6,839.06	9,900.55	7,109.11	83.54	88.50	103.12	374.27	-2,118.00	1,190.46	1,022.17	168.29	7.074		
9,600.00	6,837.63	10,000.55	7,108.04	86.18	91.13	103.14	370.79	-2,217.93	1,190.06	1,016.64	173.42	6.862		
9,700.00	6,836.21	10,100.55	7,106.97	88.82	93.78	103.16	367.31	-2,317.87	1,189.65	1,011.08	178.57	6.662		
9,800.00	6,834.78	10,200.55	7,105.90	91.48	96.44	103.18	363.83	-2,417.80	1,189.25	1,005.50	183.75	6.472		
9,900.00	6,833.36	10,300.54	7,104.83	94.15	99.11	103.20	360.36	-2,517.73	1,188.85	999.90	188.95	6.292		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
10,000.00	6,831.94	10,400.54	7,103.76	96.83	101.79	103.23	356.88	-2,617.66	1,188.45	994.29	194.16	6.121		
10,100.00	6,830.51	10,500.54	7,102.69	99.52	104.48	103.25	353.40	-2,717.59	1,188.04	988.65	199.39	5.958		
10,200.00	6,829.09	10,600.54	7,101.62	102.22	107.18	103.27	349.93	-2,817.53	1,187.64	983.00	204.64	5.804		
10,300.00	6,827.66	10,700.54	7,100.55	104.92	109.88	103.29	346.45	-2,917.46	1,187.24	977.34	209.90	5.656		
10,400.00	6,826.24	10,800.53	7,099.48	107.63	112.59	103.32	342.97	-3,017.39	1,186.84	971.67	215.17	5.516		
10,500.00	6,824.81	10,900.53	7,098.41	110.35	115.31	103.34	339.50	-3,117.32	1,186.44	965.98	220.46	5.382		
10,600.00	6,823.39	11,000.53	7,097.34	113.08	118.03	103.36	336.02	-3,217.25	1,186.04	960.29	225.75	5.254		
10,700.00	6,821.96	11,100.53	7,096.27	115.81	120.76	103.38	332.54	-3,317.19	1,185.64	954.58	231.06	5.131		
10,800.00	6,820.54	11,200.53	7,095.20	118.54	123.49	103.40	329.06	-3,417.12	1,185.24	948.86	236.37	5.014		
10,900.00	6,819.12	11,300.53	7,094.12	121.29	126.23	103.43	325.59	-3,517.05	1,184.84	943.14	241.70	4.902		
11,000.00	6,817.69	11,400.52	7,093.05	124.03	128.97	103.45	322.11	-3,616.98	1,184.44	937.41	247.03	4.795		
11,100.00	6,816.27	11,500.52	7,091.98	126.78	131.72	103.47	318.63	-3,716.91	1,184.04	931.67	252.37	4.692		
11,200.00	6,814.84	11,600.52	7,090.91	129.54	134.47	103.49	315.16	-3,816.85	1,183.64	925.92	257.71	4.593		
11,300.00	6,813.42	11,700.52	7,089.84	132.29	137.22	103.52	311.68	-3,916.78	1,183.24	920.17	263.07	4.498		
11,400.00	6,811.99	11,800.52	7,088.77	135.05	139.98	103.54	308.20	-4,016.71	1,182.84	914.41	268.42	4.407		
11,500.00	6,810.57	11,900.51	7,087.70	137.82	142.74	103.56	304.73	-4,116.64	1,182.44	908.65	273.79	4.319		
11,534.42	6,810.08	11,934.94	7,087.33	138.77	143.70	103.57	303.53	-4,151.04	1,182.30	906.66	275.64	4.289		
11,600.00	6,809.15	12,000.50	7,086.63	140.59	145.51	103.61	301.25	-4,216.56	1,181.31	902.16	279.15	4.232		
11,645.35	6,808.50	12,045.83	7,086.15	141.85	146.76	103.66	299.67	-4,261.86	1,179.77	898.20	281.57	4.190		
11,700.00	6,807.72	12,100.42	7,085.56	143.37	148.27	103.70	297.77	-4,316.42	1,177.50	893.01	284.49	4.139		
11,800.00	6,806.30	12,200.32	7,084.49	146.16	151.04	103.76	294.30	-4,416.25	1,173.34	883.51	289.83	4.048		
11,900.00	6,804.88	12,300.23	7,083.42	148.94	153.81	103.83	290.83	-4,516.09	1,169.18	874.01	295.16	3.961		
12,000.00	6,803.45	12,400.13	7,082.36	151.74	156.59	103.90	287.35	-4,615.93	1,165.02	864.52	300.50	3.877		
12,100.00	6,802.03	12,500.04	7,081.29	154.53	159.36	103.97	283.88	-4,715.77	1,160.87	855.02	305.85	3.796		
12,200.00	6,800.61	12,600.06	7,080.22	157.32	162.14	104.04	280.41	-4,815.60	1,156.71	845.52	311.19	3.717		
12,300.00	6,799.18	12,700.16	7,079.15	160.12	164.93	104.11	276.93	-4,915.44	1,152.56	836.03	316.54	3.641		
12,400.00	6,797.76	12,800.25	7,078.08	162.92	167.71	104.18	273.46	-5,015.28	1,148.41	826.53	321.88	3.568		
12,500.00	6,796.34	12,900.35	7,077.01	165.72	170.50	104.25	269.98	-5,115.12	1,144.27	817.04	327.23	3.497		
12,600.00	6,794.92	12,999.56	7,075.94	168.53	173.27	104.32	266.51	-5,214.96	1,140.12	807.57	332.55	3.428		
12,700.00	6,793.49	13,100.54	7,074.87	171.33	176.09	104.39	263.04	-5,314.79	1,135.98	798.05	337.92	3.362		
12,800.00	6,792.07	13,200.64	7,073.80	174.14	178.88	104.46	259.56	-5,414.63	1,131.83	788.57	343.27	3.297		
12,900.00	6,790.65	13,300.73	7,072.73	176.95	181.68	104.54	256.09	-5,514.47	1,127.69	779.08	348.61	3.235		
13,000.00	6,789.22	13,400.83	7,071.66	179.76	184.47	104.61	252.62	-5,614.31	1,123.55	769.60	353.95	3.174		
13,100.00	6,787.80	13,500.92	7,070.59	182.57	187.27	104.68	249.14	-5,714.15	1,119.42	760.13	359.29	3.116		
13,200.00	6,786.38	13,601.02	7,069.52	185.38	190.07	104.76	245.67	-5,813.98	1,115.28	750.65	364.63	3.059		
13,300.00	6,784.95	13,701.12	7,068.45	188.20	192.87	104.83	242.19	-5,913.82	1,111.15	741.19	369.96	3.003		
13,400.00	6,783.53	13,801.21	7,067.39	191.01	195.68	104.91	238.72	-6,013.66	1,107.02	731.72	375.30	2.950		
13,500.00	6,782.11	13,901.31	7,066.32	193.83	198.48	104.98	235.25	-6,113.50	1,102.89	722.26	380.63	2.898		
13,600.00	6,780.68	14,001.40	7,065.25	196.65	201.28	105.06	231.77	-6,213.33	1,098.76	712.80	385.96	2.847		
13,700.00	6,779.26	14,101.50	7,064.18	199.47	204.09	105.14	228.30	-6,313.17	1,094.64	703.35	391.28	2.798		
13,800.00	6,777.84	14,201.60	7,063.11	202.29	206.90	105.21	224.83	-6,413.01	1,090.51	693.91	396.60	2.750		
13,900.00	6,776.42	14,301.69	7,062.04	205.11	209.71	105.29	221.35	-6,512.85	1,086.39	684.47	401.92	2.703		
14,000.00	6,774.99	14,401.79	7,060.97	207.93	212.52	105.37	217.88	-6,612.69	1,082.27	675.03	407.24	2.658		
14,100.00	6,773.57	14,501.88	7,059.90	210.76	215.33	105.45	214.40	-6,712.52	1,078.15	665.60	412.55	2.613		
14,200.00	6,772.15	14,601.98	7,058.83	213.58	218.14	105.53	210.93	-6,812.36	1,074.04	656.18	417.86	2.570		
14,300.00	6,770.72	14,702.08	7,057.76	216.40	220.95	105.61	207.46	-6,912.20	1,069.93	646.76	423.16	2.528		
14,400.00	6,769.30	14,802.17	7,056.69	219.23	223.76	105.69	203.98	-7,012.04	1,065.82	637.35	428.46	2.488		
14,500.00	6,767.88	14,902.27	7,055.62	222.06	226.57	105.78	200.51	-7,111.88	1,061.71	627.95	433.76	2.448		
14,600.00	6,766.45	14,997.64	7,054.55	224.89	229.26	105.86	197.04	-7,211.71	1,057.60	618.68	438.92	2.410		
14,700.00	6,765.03	15,102.46	7,053.48	227.71	232.20	105.94	193.56	-7,311.55	1,053.50	609.16	444.34	2.371		
14,800.00	6,763.61	15,202.56	7,052.41	230.54	235.02	106.02	190.09	-7,411.39	1,049.39	599.77	449.62	2.334		
14,900.00	6,762.19	15,302.65	7,051.35	233.37	237.84	106.11	186.61	-7,511.23	1,045.29	590.39	454.90	2.298		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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)		
15,000.00	6,760.76	15,402.75	7,050.28	236.20	240.65	106.19	183.14	-7,611.06	1,041.20	581.02	460.17	2.263	
15,100.00	6,759.34	15,502.84	7,049.21	239.03	243.47	106.28	179.67	-7,710.90	1,037.10	571.66	465.44	2.228	
15,200.00	6,757.92	15,602.94	7,048.14	241.86	246.29	106.37	176.19	-7,810.74	1,033.01	562.31	470.70	2.195	
15,300.00	6,756.49	15,696.96	7,047.07	244.70	248.94	106.45	172.72	-7,910.58	1,028.92	553.12	475.79	2.163	
15,334.64	6,756.00	15,703.90	7,046.99	245.68	249.13	106.46	172.48	-7,917.51	1,027.87	551.07	476.80	2.156	
15,335.52	6,755.99	15,703.90	7,046.99	245.70	249.13	106.46	172.48	-7,917.51	1,027.86	551.04	476.82	2.156 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5.50	89.62	8.63	90.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.50	89.62	8.63	90.03	83.46	6.57	13.705		
200.00	200.00	200.00	200.00	3.34	3.34	5.50	89.62	8.63	90.03	83.36	6.67	13.490 CC, ES		
300.00	300.00	297.84	297.82	3.44	3.44	6.26	90.65	9.94	91.22	84.33	6.89	13.237		
400.00	399.98	395.46	395.31	3.60	3.60	-122.47	93.73	13.87	95.79	88.58	7.21	13.284		
500.00	499.84	492.60	492.09	3.79	3.80	-121.50	98.83	20.38	104.70	97.08	7.62	13.738		
600.00	599.45	589.00	587.80	4.03	4.03	-120.93	105.89	29.38	117.87	109.76	8.11	14.531		
700.00	698.70	684.40	682.10	4.30	4.30	-120.67	114.83	40.78	135.23	126.56	8.67	15.604		
785.00	782.69	764.54	760.89	4.56	4.55	-120.60	123.83	52.26	153.22	144.04	9.18	16.689		
800.00	797.47	778.58	774.65	4.60	4.59	-120.65	125.55	54.45	156.69	147.41	9.28	16.891		
900.00	896.04	871.58	865.44	4.94	4.91	-120.52	137.98	70.29	181.08	171.16	9.92	18.258		
1,000.00	994.61	963.48	954.47	5.30	5.26	-119.85	152.03	88.21	207.76	197.16	10.60	19.605		
1,100.00	1,093.18	1,059.49	1,047.11	5.69	5.64	-119.05	167.60	108.05	235.55	224.24	11.31	20.822		
1,200.00	1,191.75	1,155.50	1,139.75	6.08	6.05	-118.42	183.16	127.90	263.38	251.32	12.06	21.836		
1,300.00	1,290.32	1,251.52	1,232.40	6.49	6.47	-117.91	198.72	147.74	291.24	278.40	12.84	22.685		
1,400.00	1,388.89	1,347.53	1,325.04	6.91	6.91	-117.49	214.29	167.58	319.11	305.47	13.64	23.399		
1,500.00	1,487.46	1,443.54	1,417.68	7.34	7.36	-117.13	229.85	187.43	346.99	332.54	14.46	24.003		
1,600.00	1,586.03	1,539.56	1,510.32	7.77	7.81	-116.83	245.42	207.27	374.89	359.60	15.29	24.518		
1,700.00	1,684.61	1,635.57	1,602.96	8.22	8.27	-116.57	260.98	227.12	402.79	386.65	16.14	24.958		
1,800.00	1,783.18	1,731.58	1,695.61	8.66	8.74	-116.35	276.55	246.96	430.70	413.70	17.00	25.338		
1,900.00	1,881.75	1,827.60	1,788.25	9.11	9.22	-116.15	292.11	266.81	458.61	440.75	17.87	25.667		
2,000.00	1,980.32	1,923.61	1,880.89	9.57	9.70	-115.98	307.68	286.65	486.53	467.79	18.75	25.953		
2,100.00	2,078.89	2,019.62	1,973.53	10.02	10.18	-115.82	323.24	306.50	514.46	494.82	19.63	26.205		
2,200.00	2,177.46	2,115.64	2,066.17	10.49	10.67	-115.68	338.80	326.34	542.38	521.86	20.52	26.426		
2,300.00	2,276.03	2,211.65	2,158.82	10.95	11.15	-115.55	354.37	346.19	570.31	548.89	21.42	26.622		
2,400.00	2,374.60	2,307.66	2,251.46	11.41	11.64	-115.44	369.93	366.03	598.24	575.92	22.33	26.797		
2,500.00	2,473.17	2,403.68	2,344.10	11.88	12.14	-115.33	385.50	385.88	626.17	602.94	23.23	26.953		
2,600.00	2,571.74	2,499.69	2,436.74	12.35	12.63	-115.24	401.06	405.72	654.11	629.97	24.14	27.092		
2,700.00	2,670.31	2,604.30	2,529.38	12.82	13.18	-115.15	416.63	425.57	682.05	656.95	25.10	27.172		
2,800.00	2,768.88	2,708.28	2,622.02	13.29	13.72	-115.07	432.19	445.41	709.98	683.93	26.06	27.246		
2,900.00	2,867.45	2,787.73	2,714.67	13.76	14.13	-114.99	447.76	465.25	737.92	711.03	26.90	27.435		
3,000.00	2,966.02	2,883.75	2,807.31	14.24	14.63	-114.93	463.32	485.10	765.86	738.04	27.82	27.529		
3,100.00	3,064.59	2,979.76	2,899.95	14.71	15.13	-114.86	478.88	504.94	793.80	765.06	28.75	27.615		
3,200.00	3,163.16	3,075.77	2,992.59	15.19	15.64	-114.80	494.45	524.79	821.75	792.07	29.67	27.693		
3,300.00	3,261.73	3,171.79	3,085.23	15.66	16.14	-114.74	510.01	544.63	849.69	819.09	30.60	27.765		
3,400.00	3,360.30	3,267.80	3,177.88	16.14	16.64	-114.69	525.58	564.48	877.63	846.10	31.53	27.832		
3,500.00	3,458.87	3,363.81	3,270.52	16.62	17.15	-114.64	541.14	584.32	905.58	873.11	32.47	27.893		
3,600.00	3,557.44	3,459.83	3,363.16	17.10	17.66	-114.60	556.71	604.17	933.52	900.12	33.40	27.949		
3,700.00	3,656.01	3,555.84	3,455.80	17.58	18.16	-114.55	572.27	624.01	961.47	927.13	34.34	28.002		
3,800.00	3,754.58	3,651.85	3,548.44	18.06	18.67	-114.51	587.84	643.86	989.41	954.14	35.27	28.050		
3,900.00	3,853.15	3,747.87	3,641.09	18.54	19.18	-114.47	603.40	663.70	1,017.36	981.15	36.21	28.095		
4,000.00	3,951.72	3,843.88	3,733.73	19.02	19.69	-114.44	618.96	683.55	1,045.30	1,008.15	37.15	28.137		
4,100.00	4,050.29	3,939.89	3,826.37	19.50	20.20	-114.40	634.53	703.39	1,073.25	1,035.16	38.09	28.177		
4,200.00	4,148.86	4,035.91	3,919.01	19.98	20.71	-114.37	650.09	723.24	1,101.20	1,062.17	39.03	28.214		
4,300.00	4,247.43	4,131.92	4,011.65	20.46	21.22	-114.34	665.66	743.08	1,129.15	1,089.17	39.97	28.248		
4,400.00	4,346.00	4,227.93	4,104.30	20.94	21.73	-114.31	681.22	762.92	1,157.09	1,116.18	40.91	28.280		
4,500.00	4,444.58	4,323.95	4,196.94	21.43	22.24	-114.28	696.79	782.77	1,185.04	1,143.18	41.86	28.311		
4,600.00	4,543.15	4,435.06	4,304.23	21.91	22.82	-114.26	714.59	805.47	1,212.80	1,169.85	42.95	28.337		
4,700.00	4,641.72	4,581.86	4,447.34	22.39	23.56	-114.39	734.76	831.18	1,237.59	1,193.26	44.33	27.917		
4,800.00	4,740.29	4,731.20	4,594.43	22.87	24.26	-114.74	750.61	851.39	1,258.39	1,212.77	45.62	27.581		
4,900.00	4,838.86	4,882.30	4,744.43	23.36	24.91	-115.29	761.81	865.67	1,275.15	1,228.33	46.82	27.235		
5,000.00	4,937.43	5,034.35	4,896.12	23.84	25.51	-116.05	768.14	873.74	1,287.87	1,239.96	47.91	26.881		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,174.27	5,036.00	24.32	26.03	-116.93	769.62	875.63	1,296.72	1,247.85	48.87	26.532		
5,200.00	5,134.57	5,272.84	5,134.57	24.81	26.39	-117.58	769.62	875.63	1,304.53	1,254.80	49.73	26.233		
5,300.00	5,233.14	5,371.41	5,233.14	25.29	26.75	-118.22	769.62	875.63	1,312.50	1,261.92	50.58	25.947		
5,400.00	5,331.71	5,469.98	5,331.71	25.78	27.12	-118.86	769.62	875.63	1,320.64	1,269.20	51.44	25.674		
5,500.00	5,430.28	5,568.55	5,430.28	26.26	27.48	-119.49	769.62	875.63	1,328.94	1,276.65	52.30	25.412		
5,600.00	5,528.85	5,667.12	5,528.85	26.75	27.85	-120.11	769.62	875.63	1,337.41	1,284.26	53.15	25.162		
5,700.00	5,627.42	5,765.69	5,627.42	27.23	28.22	-120.72	769.62	875.63	1,346.03	1,292.02	54.01	24.922		
5,800.00	5,725.99	5,864.26	5,725.99	27.72	28.59	-121.33	769.62	875.63	1,354.81	1,299.94	54.87	24.692		
5,900.00	5,824.56	5,962.83	5,824.56	28.20	28.96	-121.93	769.62	875.63	1,363.74	1,308.01	55.73	24.472		
6,000.00	5,923.13	6,061.40	5,923.13	28.69	29.33	-122.52	769.62	875.63	1,372.81	1,316.23	56.58	24.261		
6,100.00	6,021.70	6,159.97	6,021.70	29.17	29.71	-123.10	769.62	875.63	1,382.04	1,324.59	57.44	24.059		
6,200.00	6,120.27	6,258.54	6,120.27	29.66	30.09	-123.68	769.62	875.63	1,391.40	1,333.10	58.30	23.865		
6,238.51	6,158.23	6,303.50	6,158.23	29.84	30.26	-123.90	769.62	875.63	1,395.05	1,336.39	58.66	23.781		
6,250.00	6,169.57	6,307.84	6,169.57	29.90	30.28	-128.47	769.62	875.63	1,396.15	1,337.42	58.73	23.771		
6,300.00	6,219.12	6,357.39	6,219.12	30.13	30.47	-158.06	769.62	875.63	1,401.32	1,342.17	59.15	23.691		
6,350.00	6,268.78	6,407.05	6,268.78	30.33	30.66	163.71	769.62	875.63	1,407.00	1,347.46	59.55	23.628		
6,400.00	6,318.25	6,458.75	6,320.48	30.52	30.86	138.53	769.62	875.59	1,413.17	1,353.24	59.94	23.578		
6,450.00	6,367.22	6,531.49	6,393.01	30.69	31.13	125.51	769.40	870.64	1,419.34	1,358.97	60.36	23.513		
6,500.00	6,415.39	6,605.17	6,465.42	30.86	31.40	118.12	768.83	857.23	1,425.11	1,364.34	60.77	23.449		
6,550.00	6,462.47	6,679.41	6,536.32	31.02	31.69	113.38	767.89	835.37	1,430.45	1,369.27	61.18	23.380		
6,600.00	6,508.16	6,753.79	6,604.31	31.18	32.00	110.01	766.60	805.35	1,435.32	1,373.71	61.61	23.299		
6,650.00	6,552.18	6,827.87	6,668.08	31.34	32.33	107.42	764.99	767.78	1,439.68	1,377.62	62.06	23.199		
6,700.00	6,594.26	6,901.23	6,726.52	31.51	32.69	105.31	763.08	723.54	1,443.53	1,380.97	62.56	23.075		
6,750.00	6,634.14	6,973.51	6,778.74	31.68	33.09	103.51	760.94	673.67	1,446.86	1,383.73	63.13	22.918		
6,800.00	6,671.58	7,044.37	6,824.12	31.86	33.54	101.92	758.61	619.34	1,449.70	1,385.91	63.79	22.726		
6,850.00	6,706.34	7,113.56	6,862.33	32.06	34.04	100.50	756.13	561.76	1,452.04	1,387.49	64.55	22.494		
6,900.00	6,738.21	7,180.89	6,893.31	32.27	34.60	99.20	753.57	502.06	1,453.93	1,388.51	65.42	22.224		
6,950.00	6,766.99	7,246.25	6,917.18	32.52	35.20	98.00	750.96	441.31	1,455.39	1,388.99	66.39	21.922		
7,000.00	6,792.51	7,309.58	6,934.24	32.80	35.85	96.89	748.34	380.40	1,456.43	1,388.98	67.46	21.590		
7,050.00	6,814.61	7,370.88	6,944.92	33.12	36.53	95.87	745.75	320.12	1,457.11	1,388.50	68.61	21.239		
7,100.00	6,833.15	7,430.17	6,949.68	33.48	37.23	94.93	743.22	261.09	1,457.43	1,387.61	69.81	20.876		
7,150.00	6,848.02	7,482.93	6,949.74	33.89	37.89	94.14	740.95	208.39	1,457.46	1,386.45	71.01	20.525		
7,200.00	6,859.13	7,531.54	6,949.22	34.35	38.55	93.58	738.87	159.83	1,457.40	1,385.17	72.23	20.177		
7,250.00	6,866.40	7,580.91	6,948.68	34.86	39.24	93.22	736.75	110.50	1,457.20	1,383.70	73.50	19.825		
7,300.00	6,869.79	7,630.74	6,948.15	35.40	39.98	93.07	734.61	60.72	1,456.80	1,381.95	74.85	19.462		
7,327.68	6,870.00	7,658.42	6,947.85	35.71	40.41	93.08	733.42	33.07	1,456.48	1,380.85	75.63	19.259		
7,400.00	6,868.97	7,730.73	6,947.07	36.61	41.57	93.09	730.32	-39.17	1,455.54	1,377.80	77.74	18.723		
7,500.00	6,867.54	7,830.72	6,945.99	38.01	43.30	93.10	726.03	-139.06	1,454.25	1,373.33	80.93	17.970		
7,600.00	6,866.12	7,930.71	6,944.91	39.58	45.14	93.12	721.74	-238.95	1,452.96	1,368.59	84.37	17.220		
7,700.00	6,864.69	8,030.70	6,943.83	41.29	47.08	93.14	717.44	-338.85	1,451.67	1,363.62	88.05	16.486		
7,800.00	6,863.27	8,130.69	6,942.75	43.12	49.11	93.15	713.15	-438.74	1,450.38	1,358.44	91.94	15.775		
7,900.00	6,861.85	8,230.68	6,941.68	45.06	51.21	93.17	708.86	-538.63	1,449.09	1,353.09	96.00	15.094		
8,000.00	6,860.42	8,330.67	6,940.60	47.10	53.39	93.19	704.57	-638.52	1,447.80	1,347.58	100.22	14.446		
8,100.00	6,859.00	8,430.66	6,939.52	49.21	55.63	93.20	700.28	-738.42	1,446.51	1,341.93	104.58	13.831		
8,200.00	6,857.57	8,530.66	6,938.44	51.40	57.92	93.22	695.99	-838.31	1,445.22	1,336.15	109.07	13.251		
8,300.00	6,856.15	8,630.65	6,937.36	53.65	60.25	93.24	691.70	-938.20	1,443.93	1,330.28	113.65	12.705		
8,400.00	6,854.72	8,730.64	6,936.28	55.96	62.63	93.25	687.41	-1,038.10	1,442.64	1,324.30	118.34	12.191		
8,500.00	6,853.30	8,830.63	6,935.20	58.31	65.05	93.27	683.11	-1,137.99	1,441.35	1,318.25	123.10	11.708		
8,600.00	6,851.88	8,930.62	6,934.13	60.70	67.50	93.29	678.82	-1,237.88	1,440.06	1,312.12	127.95	11.255		
8,700.00	6,850.45	9,030.61	6,933.05	63.14	69.98	93.30	674.53	-1,337.77	1,438.77	1,305.92	132.85	10.830		
8,800.00	6,849.03	9,130.60	6,931.97	65.60	72.48	93.32	670.24	-1,437.67	1,437.48	1,299.66	137.82	10.430		
8,900.00	6,847.60	9,230.59	6,930.89	68.10	75.01	93.34	665.95	-1,537.56	1,436.19	1,293.36	142.84	10.055		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,846.18	9,330.58	6,929.81	70.62	77.56	93.35	661.66	-1,637.45	1,434.90	1,287.00	147.90	9.702		
9,100.00	6,844.75	9,430.57	6,928.73	73.17	80.13	93.37	657.37	-1,737.35	1,433.62	1,280.60	153.01	9.369		
9,200.00	6,843.33	9,530.56	6,927.66	75.73	82.72	93.39	653.07	-1,837.24	1,432.33	1,274.17	158.16	9.056		
9,300.00	6,841.91	9,630.55	6,926.58	78.32	85.33	93.40	648.78	-1,937.13	1,431.04	1,267.70	163.34	8.761		
9,400.00	6,840.48	9,730.54	6,925.50	80.92	87.95	93.42	644.49	-2,037.02	1,429.75	1,261.19	168.55	8.482		
9,500.00	6,839.06	9,830.54	6,924.42	83.54	90.58	93.44	640.20	-2,136.92	1,428.46	1,254.66	173.80	8.219		
9,600.00	6,837.63	9,930.53	6,923.34	86.18	93.22	93.45	635.91	-2,236.81	1,427.17	1,248.11	179.06	7.970		
9,700.00	6,836.21	10,030.52	6,922.26	88.82	95.88	93.47	631.62	-2,336.70	1,425.88	1,241.53	184.36	7.734		
9,800.00	6,834.78	10,130.51	6,921.19	91.48	98.55	93.49	627.33	-2,436.60	1,424.60	1,234.93	189.67	7.511		
9,900.00	6,833.36	10,230.50	6,920.11	94.15	101.22	93.51	623.03	-2,536.49	1,423.31	1,228.31	195.00	7.299		
10,000.00	6,831.94	10,330.49	6,919.03	96.83	103.90	93.52	618.74	-2,636.38	1,422.02	1,221.67	200.35	7.098		
10,100.00	6,830.51	10,430.48	6,917.95	99.52	106.60	93.54	614.45	-2,736.27	1,420.73	1,215.01	205.72	6.906		
10,200.00	6,829.09	10,530.47	6,916.87	102.22	109.30	93.56	610.16	-2,836.17	1,419.45	1,208.34	211.11	6.724		
10,300.00	6,827.66	10,630.46	6,915.79	104.92	112.00	93.57	605.87	-2,936.06	1,418.16	1,201.65	216.51	6.550		
10,400.00	6,826.24	10,730.45	6,914.71	107.63	114.72	93.59	601.58	-3,035.95	1,416.87	1,194.95	221.92	6.385		
10,500.00	6,824.81	10,830.44	6,913.64	110.35	117.44	93.61	597.29	-3,135.85	1,415.58	1,188.24	227.34	6.227		
10,600.00	6,823.39	10,930.43	6,912.56	113.08	120.16	93.63	593.00	-3,235.74	1,414.30	1,181.52	232.78	6.076		
10,700.00	6,821.96	11,030.43	6,911.48	115.81	122.89	93.64	588.70	-3,335.63	1,413.01	1,174.79	238.22	5.931		
10,800.00	6,820.54	11,130.42	6,910.40	118.54	125.62	93.66	584.41	-3,435.52	1,411.72	1,168.04	243.68	5.793		
10,900.00	6,819.12	11,230.41	6,909.32	121.29	128.36	93.68	580.12	-3,535.42	1,410.44	1,161.29	249.14	5.661		
11,000.00	6,817.69	11,330.40	6,908.24	124.03	131.11	93.70	575.83	-3,635.31	1,409.15	1,154.53	254.62	5.534		
11,100.00	6,816.27	11,430.39	6,907.17	126.78	133.85	93.71	571.54	-3,735.20	1,407.86	1,147.76	260.10	5.413		
11,200.00	6,814.84	11,530.38	6,906.09	129.54	136.61	93.73	567.25	-3,835.10	1,406.58	1,140.99	265.59	5.296		
11,300.00	6,813.42	11,630.37	6,905.01	132.29	139.36	93.75	562.96	-3,934.99	1,405.29	1,134.20	271.09	5.184		
11,400.00	6,811.99	11,730.36	6,903.93	135.05	142.12	93.77	558.66	-4,034.88	1,404.00	1,127.41	276.59	5.076		
11,500.00	6,810.57	11,830.35	6,902.85	137.82	144.88	93.78	554.37	-4,134.77	1,402.72	1,120.62	282.10	4.972		
11,534.42	6,810.08	11,864.77	6,902.48	138.77	145.83	93.79	552.90	-4,169.16	1,402.28	1,118.28	284.00	4.938		
11,600.00	6,809.15	11,930.33	6,901.77	140.59	147.64	93.82	550.08	-4,234.65	1,400.68	1,113.07	287.62	4.870		
11,645.35	6,808.50	11,975.64	6,901.29	141.85	148.90	93.85	548.14	-4,279.92	1,398.71	1,108.59	290.12	4.821		
11,700.00	6,807.72	12,030.21	6,900.70	143.37	150.41	93.87	545.80	-4,334.44	1,395.90	1,102.76	293.14	4.762		
11,800.00	6,806.30	12,130.07	6,899.62	146.16	153.17	93.90	541.51	-4,434.20	1,390.75	1,092.08	298.67	4.656		
11,900.00	6,804.88	12,229.94	6,898.54	148.94	155.94	93.92	537.22	-4,533.97	1,385.60	1,081.40	304.20	4.555		
12,000.00	6,803.45	12,329.80	6,897.47	151.74	158.71	93.95	532.94	-4,633.74	1,380.46	1,070.72	309.74	4.457		
12,100.00	6,802.03	12,429.67	6,896.39	154.53	161.49	93.98	528.65	-4,733.50	1,375.31	1,060.03	315.28	4.362		
12,200.00	6,800.61	12,529.53	6,895.31	157.32	164.26	94.01	524.37	-4,833.27	1,370.17	1,049.34	320.83	4.271		
12,300.00	6,799.18	12,629.40	6,894.23	160.12	167.04	94.04	520.08	-4,933.04	1,365.02	1,038.64	326.38	4.182		
12,400.00	6,797.76	12,729.26	6,893.16	162.92	169.82	94.07	515.79	-5,032.81	1,359.88	1,027.94	331.93	4.097		
12,500.00	6,796.34	12,829.13	6,892.08	165.72	172.60	94.10	511.51	-5,132.57	1,354.73	1,017.24	337.49	4.014		
12,600.00	6,794.92	12,928.99	6,891.00	168.53	175.38	94.13	507.22	-5,232.34	1,349.59	1,006.54	343.05	3.934		
12,700.00	6,793.49	13,028.86	6,889.93	171.33	178.17	94.16	502.94	-5,332.11	1,344.44	995.83	348.61	3.857		
12,800.00	6,792.07	13,128.72	6,888.85	174.14	180.95	94.19	498.65	-5,431.88	1,339.30	985.13	354.17	3.781		
12,900.00	6,790.65	13,228.59	6,887.77	176.95	183.74	94.22	494.36	-5,531.64	1,334.16	974.42	359.74	3.709		
13,000.00	6,789.22	13,328.45	6,886.69	179.76	186.53	94.25	490.08	-5,631.41	1,329.02	963.71	365.31	3.638		
13,100.00	6,787.80	13,428.32	6,885.62	182.57	189.32	94.29	485.79	-5,731.18	1,323.88	952.99	370.88	3.570		
13,200.00	6,786.38	13,528.18	6,884.54	185.38	192.11	94.32	481.51	-5,830.94	1,318.73	942.28	376.46	3.503		
13,300.00	6,784.95	13,628.05	6,883.46	188.20	194.91	94.35	477.22	-5,930.71	1,313.59	931.56	382.03	3.438		
13,400.00	6,783.53	13,727.92	6,882.39	191.01	197.70	94.38	472.93	-6,030.48	1,308.45	920.84	387.61	3.376		
13,500.00	6,782.11	13,827.78	6,881.31	193.83	200.50	94.41	468.65	-6,130.25	1,303.31	910.12	393.19	3.315		
13,600.00	6,780.68	13,927.65	6,880.23	196.65	203.29	94.45	464.36	-6,230.01	1,298.17	899.40	398.77	3.255		
13,700.00	6,779.26	14,027.51	6,879.16	199.47	206.09	94.48	460.08	-6,329.78	1,293.03	888.68	404.35	3.198		
13,800.00	6,777.84	14,127.38	6,878.08	202.29	208.89	94.51	455.79	-6,429.55	1,287.89	877.96	409.94	3.142		
13,900.00	6,776.42	14,227.24	6,877.00	205.11	211.69	94.55	451.50	-6,529.32	1,282.76	867.24	415.52	3.087		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,774.99	14,327.11	6,875.92	207.93	214.49	94.58	447.22	-6,629.08	1,277.62	856.51	421.11	3.034		
14,100.00	6,773.57	14,426.97	6,874.85	210.76	217.29	94.61	442.93	-6,728.85	1,272.48	845.79	426.69	2.982		
14,200.00	6,772.15	14,526.84	6,873.77	213.58	220.09	94.65	438.65	-6,828.62	1,267.34	835.06	432.28	2.932		
14,300.00	6,770.72	14,626.70	6,872.69	216.40	222.90	94.68	434.36	-6,928.38	1,262.21	824.34	437.87	2.883		
14,400.00	6,769.30	14,726.57	6,871.62	219.23	225.70	94.72	430.07	-7,028.15	1,257.07	813.61	443.46	2.835		
14,500.00	6,767.88	14,826.43	6,870.54	222.06	228.50	94.75	425.79	-7,127.92	1,251.93	802.89	449.05	2.788		
14,600.00	6,766.45	14,926.30	6,869.46	224.89	231.31	94.79	421.50	-7,227.69	1,246.80	792.16	454.64	2.742		
14,700.00	6,765.03	15,026.16	6,868.38	227.71	234.12	94.82	417.22	-7,327.45	1,241.66	781.43	460.23	2.698		
14,800.00	6,763.61	15,126.03	6,867.31	230.54	236.92	94.86	412.93	-7,427.22	1,236.53	770.71	465.82	2.655		
14,900.00	6,762.19	15,225.89	6,866.23	233.37	239.73	94.90	408.64	-7,526.99	1,231.40	759.98	471.42	2.612		
15,000.00	6,760.76	15,325.76	6,865.15	236.20	242.54	94.93	404.36	-7,626.76	1,226.26	749.25	477.01	2.571		
15,100.00	6,759.34	15,425.62	6,864.08	239.03	245.35	94.97	400.07	-7,726.52	1,221.13	738.53	482.60	2.530		
15,200.00	6,757.92	15,525.49	6,863.00	241.86	248.16	95.01	395.79	-7,826.29	1,216.00	727.80	488.19	2.491		
15,300.00	6,756.49	15,618.10	6,862.00	244.70	250.76	95.04	391.81	-7,918.81	1,210.89	717.28	493.61	2.453		
15,334.64	6,756.00	15,618.10	6,862.00	245.68	250.76	95.04	391.81	-7,918.81	1,209.81	715.38	494.44	2.447		
15,335.52	6,755.99	15,618.10	6,862.00	245.70	250.76	95.04	391.81	-7,918.81	1,209.80	715.34	494.45	2.447 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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, ES		
400.00	399.98	400.16	400.14	3.60	3.60	-123.93	14.23	3.00	15.45	8.25	7.20	2.147		
500.00	499.84	500.31	500.15	3.79	3.79	-121.66	12.13	7.80	16.81	9.22	7.58	2.216		
600.00	599.45	600.43	599.88	4.03	4.03	-118.61	8.62	15.81	19.12	11.06	8.05	2.374		
700.00	698.70	700.50	699.20	4.30	4.31	-115.39	3.72	26.99	22.42	13.82	8.60	2.607		
785.00	782.69	785.51	783.19	4.56	4.57	-112.85	-1.53	38.99	26.01	16.89	9.12	2.852		
800.00	797.47	800.51	797.97	4.60	4.61	-112.37	-2.56	41.34	26.71	17.49	9.21	2.898		
900.00	896.04	900.41	896.02	4.94	4.96	-106.03	-10.21	58.81	31.32	21.43	9.90	3.166		
1,000.00	994.61	999.97	993.03	5.30	5.34	-95.96	-19.20	79.33	36.68	26.04	10.64	3.447		
1,100.00	1,093.18	1,098.98	1,088.66	5.69	5.75	-84.39	-29.47	102.79	44.05	32.61	11.44	3.850		
1,200.00	1,191.75	1,201.93	1,183.82	6.08	6.21	-74.39	-40.56	128.11	53.76	41.48	12.28	4.378		
1,300.00	1,290.32	1,302.76	1,279.04	6.49	6.68	-67.55	-51.66	153.46	64.60	51.48	13.12	4.925		
1,400.00	1,388.89	1,403.60	1,374.27	6.91	7.17	-62.72	-62.77	178.82	76.10	62.13	13.97	5.448		
1,500.00	1,487.46	1,504.44	1,469.49	7.34	7.68	-59.17	-73.87	204.18	87.99	73.15	14.83	5.932		
1,600.00	1,586.03	1,594.73	1,564.71	7.77	8.14	-56.47	-84.98	229.53	100.13	84.47	15.66	6.395		
1,700.00	1,684.61	1,693.89	1,659.93	8.22	8.66	-54.36	-96.08	254.89	112.45	95.91	16.54	6.799		
1,800.00	1,783.18	1,806.95	1,755.15	8.66	9.26	-52.67	-107.19	280.25	124.88	107.39	17.49	7.138		
1,900.00	1,881.75	1,907.79	1,850.37	9.11	9.80	-51.28	-118.29	305.60	137.40	119.00	18.40	7.467		
2,000.00	1,980.32	1,991.38	1,945.59	9.57	10.25	-50.13	-129.40	330.96	149.99	130.76	19.23	7.799		
2,100.00	2,078.89	2,109.46	2,040.81	10.02	10.90	-49.15	-140.50	356.32	162.63	142.40	20.24	8.036		
2,200.00	2,177.46	2,189.70	2,136.03	10.49	11.34	-48.32	-151.61	381.67	175.32	154.25	21.07	8.322		
2,300.00	2,276.03	2,288.86	2,231.25	10.95	11.89	-47.60	-162.71	407.03	188.03	166.04	21.99	8.550		
2,400.00	2,374.60	2,388.03	2,326.47	11.41	12.44	-46.97	-173.82	432.38	200.76	177.84	22.92	8.759		
2,500.00	2,473.17	2,487.19	2,421.69	11.88	12.99	-46.41	-184.92	457.74	213.52	189.67	23.86	8.950		
2,600.00	2,571.74	2,586.35	2,516.91	12.35	13.55	-45.92	-196.03	483.10	226.30	201.50	24.79	9.127		
2,700.00	2,670.31	2,685.52	2,612.14	12.82	14.11	-45.48	-207.13	508.45	239.09	213.35	25.74	9.290		
2,800.00	2,768.88	2,784.68	2,707.36	13.29	14.67	-45.08	-218.24	533.81	251.89	225.21	26.68	9.440		
2,900.00	2,867.45	2,883.84	2,802.58	13.76	15.23	-44.73	-229.34	559.17	264.71	237.08	27.63	9.580		
3,000.00	2,966.02	2,983.00	2,897.80	14.24	15.79	-44.40	-240.45	584.52	277.53	248.95	28.58	9.710		
3,100.00	3,064.59	3,082.17	2,993.02	14.71	16.36	-44.11	-251.55	609.88	290.36	260.83	29.53	9.831		
3,200.00	3,163.16	3,181.33	3,088.24	15.19	16.92	-43.84	-262.66	635.24	303.20	272.71	30.49	9.944		
3,300.00	3,261.73	3,280.49	3,183.46	15.66	17.49	-43.59	-273.76	660.59	316.04	284.60	31.45	10.050		
3,400.00	3,360.30	3,388.90	3,287.95	16.14	18.10	-43.45	-285.35	687.04	327.74	295.22	32.52	10.079		
3,500.00	3,458.87	3,499.98	3,396.04	16.62	18.68	-43.66	-295.58	710.41	336.08	302.50	33.58	10.008		
3,600.00	3,557.44	3,611.48	3,505.47	17.10	19.23	-44.19	-304.16	730.00	341.00	306.39	34.61	9.853		
3,700.00	3,656.01	3,723.08	3,615.75	17.58	19.74	-45.05	-311.03	745.68	342.52	306.93	35.59	9.624		
3,800.00	3,754.58	3,834.44	3,726.36	18.06	20.22	-46.26	-316.16	757.39	340.73	304.19	36.54	9.326		
3,900.00	3,853.15	3,945.22	3,836.81	18.54	20.66	-47.85	-319.55	765.13	335.75	298.31	37.45	8.967		
4,000.00	3,951.72	4,055.10	3,946.61	19.02	21.07	-49.89	-321.21	768.94	327.79	289.47	38.32	8.554		
4,100.00	4,050.29	4,158.79	4,050.29	19.50	21.44	-52.27	-321.41	769.39	317.49	278.27	39.23	8.094		
4,200.00	4,148.86	4,257.36	4,148.86	19.98	21.77	-54.73	-321.41	769.39	307.37	267.18	40.19	7.648		
4,300.00	4,247.43	4,355.93	4,247.43	20.46	22.12	-57.35	-321.41	769.39	297.87	256.70	41.17	7.235		
4,400.00	4,346.00	4,454.50	4,346.00	20.94	22.46	-60.13	-321.41	769.39	289.03	246.87	42.15	6.856		
4,500.00	4,444.58	4,553.07	4,444.58	21.43	22.81	-63.08	-321.41	769.39	280.92	237.77	43.15	6.511		
4,600.00	4,543.15	4,651.64	4,543.15	21.91	23.16	-66.19	-321.41	769.39	273.62	229.47	44.15	6.198		
4,700.00	4,641.72	4,750.21	4,641.72	22.39	23.51	-69.45	-321.41	769.39	267.17	222.03	45.14	5.918		
4,800.00	4,740.29	4,848.78	4,740.29	22.87	23.87	-72.86	-321.41	769.39	261.66	215.52	46.14	5.671		
4,900.00	4,838.86	4,947.35	4,838.86	23.36	24.23	-76.41	-321.41	769.39	257.13	210.01	47.12	5.457		
5,000.00	4,937.43	5,045.93	4,937.43	23.84	24.59	-80.06	-321.41	769.39	253.65	205.56	48.09	5.275		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,144.50	5,036.00	24.32	24.95	-83.79	-321.41	769.39	251.24	202.21	49.04	5.124		
5,200.00	5,134.57	5,243.07	5,134.57	24.81	25.31	-87.58	-321.41	769.39	249.96	200.00	49.96	5.003		
5,263.61	5,197.27	5,305.76	5,197.27	25.12	25.55	-90.00	-321.41	769.39	249.73	199.19	50.54	4.942		
5,300.00	5,233.14	5,341.64	5,233.14	25.29	25.68	-91.39	-321.41	769.39	249.80	198.94	50.86	4.912		
5,400.00	5,331.71	5,440.21	5,331.71	25.78	26.05	-95.18	-321.41	769.39	250.78	199.05	51.73	4.848		
5,500.00	5,430.28	5,538.78	5,430.28	26.26	26.42	-98.93	-321.41	769.39	252.88	200.32	52.57	4.811		
5,600.00	5,528.85	5,637.35	5,528.85	26.75	26.80	-102.61	-321.41	769.39	256.08	202.70	53.38	4.797		
5,700.00	5,627.42	5,735.92	5,627.42	27.23	27.17	-106.18	-321.41	769.39	260.33	206.16	54.17	4.806		
5,800.00	5,725.99	5,834.49	5,725.99	27.72	27.55	-109.63	-321.41	769.39	265.58	210.65	54.93	4.835		
5,900.00	5,824.56	5,933.06	5,824.56	28.20	27.92	-112.94	-321.41	769.39	271.77	216.09	55.68	4.881		
6,000.00	5,923.13	6,031.63	5,923.13	28.69	28.30	-116.09	-321.41	769.39	278.85	222.43	56.42	4.943		
6,100.00	6,021.70	6,130.20	6,021.70	29.17	28.69	-119.08	-321.41	769.39	286.75	229.60	57.15	5.018		
6,200.00	6,120.27	6,228.77	6,120.27	29.66	29.07	-121.91	-321.41	769.39	295.39	237.52	57.87	5.105		
6,238.51	6,158.23	6,266.73	6,158.23	29.84	29.22	-122.96	-321.41	769.39	298.91	240.76	58.15	5.141		
6,250.00	6,169.57	6,278.07	6,169.57	29.90	29.26	-127.76	-321.41	769.39	299.99	241.76	58.23	5.152		
6,300.00	6,219.12	6,327.62	6,219.12	30.13	29.45	-157.96	-321.41	769.39	305.13	246.52	58.61	5.206		
6,350.00	6,268.78	6,377.28	6,268.78	30.33	29.65	163.78	-321.41	769.39	310.81	251.81	59.00	5.268		
6,400.00	6,318.25	6,426.75	6,318.25	30.52	29.84	139.09	-321.41	769.39	317.01	257.59	59.42	5.335		
6,450.00	6,367.22	6,475.72	6,367.22	30.69	30.03	127.09	-321.41	769.39	323.80	263.94	59.86	5.409		
6,500.00	6,415.39	6,523.89	6,415.39	30.86	30.22	121.28	-321.41	769.39	331.40	271.07	60.33	5.493		
6,550.00	6,462.47	6,570.97	6,462.47	31.02	30.41	118.58	-321.41	769.39	340.12	279.31	60.81	5.593		
6,600.00	6,508.16	6,616.66	6,508.16	31.18	30.59	117.58	-321.41	769.39	350.31	289.01	61.29	5.715		
6,650.00	6,552.18	6,665.69	6,552.18	31.34	30.78	117.84	-321.43	768.87	362.22	300.42	61.80	5.861		
6,700.00	6,594.26	6,721.78	6,613.06	31.51	30.99	118.86	-321.58	764.14	375.08	312.80	62.28	6.023		
6,750.00	6,634.14	6,780.93	6,671.28	31.68	31.21	120.09	-321.92	753.85	388.47	325.86	62.61	6.204		
6,800.00	6,671.58	6,843.48	6,731.53	31.86	31.46	121.43	-322.46	737.15	402.11	339.36	62.75	6.408		
6,850.00	6,706.34	6,909.80	6,793.30	32.06	31.74	122.79	-323.23	713.08	415.70	353.05	62.65	6.635		
6,900.00	6,738.21	6,980.25	6,855.78	32.27	32.06	124.13	-324.28	680.63	428.90	366.62	62.29	6.886		
6,950.00	6,766.99	7,055.09	6,917.79	32.52	32.44	125.38	-325.63	638.83	441.37	379.70	61.67	7.157		
7,000.00	6,792.51	7,134.46	6,977.71	32.80	32.89	126.51	-327.31	586.89	452.73	391.87	60.87	7.438		
7,050.00	6,814.61	7,218.27	7,033.45	33.12	33.44	127.47	-329.33	524.41	462.63	402.64	59.98	7.713		
7,100.00	6,833.15	7,306.18	7,082.56	33.48	34.12	128.20	-331.69	451.63	470.69	411.48	59.21	7.949		
7,150.00	6,848.02	7,397.47	7,122.45	33.89	34.96	128.67	-334.34	369.64	476.62	417.82	58.80	8.106		
7,200.00	6,859.13	7,491.09	7,150.75	34.35	35.95	128.84	-337.22	280.53	480.17	421.19	58.98	8.142		
7,250.00	6,866.40	7,585.73	7,165.76	34.86	37.08	128.70	-340.23	187.23	481.21	421.32	59.89	8.035		
7,300.00	6,869.79	7,665.52	7,167.77	35.40	38.11	128.36	-342.81	107.54	479.95	418.62	61.34	7.825		
7,327.68	6,870.00	7,706.80	7,167.37	35.71	38.67	128.33	-343.70	79.89	479.58	417.43	62.15	7.717		
7,400.00	6,868.97	7,765.52	7,166.32	36.61	39.53	128.34	-346.04	7.62	479.43	415.75	63.67	7.529		
7,500.00	6,867.54	7,865.51	7,164.88	38.01	41.10	128.36	-349.27	-92.32	479.22	413.02	66.20	7.239		
7,600.00	6,866.12	7,965.51	7,163.44	39.58	42.80	128.37	-352.50	-192.26	479.01	410.07	68.95	6.948		
7,700.00	6,864.69	8,065.51	7,161.99	41.29	44.62	128.39	-355.73	-292.20	478.80	406.93	71.88	6.661		
7,800.00	6,863.27	8,165.51	7,160.55	43.12	46.54	128.41	-358.96	-392.13	478.60	403.62	74.97	6.383		
7,900.00	6,861.85	8,265.51	7,159.11	45.06	48.55	128.42	-362.20	-492.07	478.39	400.17	78.22	6.116		
8,000.00	6,860.42	8,365.51	7,157.67	47.10	50.65	128.44	-365.43	-592.01	478.18	396.59	81.59	5.861		
8,100.00	6,859.00	8,465.51	7,156.22	49.21	52.81	128.46	-368.66	-691.94	477.97	392.90	85.08	5.618		
8,200.00	6,857.57	8,565.51	7,154.78	51.40	55.04	128.47	-371.89	-791.88	477.77	389.10	88.66	5.389		
8,300.00	6,856.15	8,665.51	7,153.34	53.65	57.33	128.49	-375.12	-891.82	477.56	385.22	92.34	5.172		
8,400.00	6,854.72	8,765.51	7,151.89	55.96	59.66	128.51	-378.35	-991.75	477.35	381.26	96.09	4.968		
8,500.00	6,853.30	8,865.51	7,150.45	58.31	62.03	128.53	-381.58	-1,091.69	477.14	377.24	99.91	4.776		
8,600.00	6,851.88	8,965.51	7,149.01	60.70	64.44	128.54	-384.81	-1,191.63	476.94	373.15	103.79	4.595		
8,700.00	6,850.45	9,065.51	7,147.56	63.14	66.89	128.56	-388.04	-1,291.57	476.73	369.01	107.72	4.426		
8,800.00	6,849.03	9,165.51	7,146.12	65.60	69.37	128.58	-391.27	-1,391.50	476.52	364.82	111.70	4.266		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	9,265.51	7,144.68	68.10	71.87	128.59	-394.50	-1,491.44	476.32	360.59	115.72	4.116		
9,000.00	6,846.18	9,365.51	7,143.24	70.62	74.40	128.61	-397.74	-1,591.38	476.11	356.32	119.78	3.975		
9,100.00	6,844.75	9,465.51	7,141.79	73.17	76.95	128.63	-400.97	-1,691.31	475.90	352.02	123.88	3.842		
9,200.00	6,843.33	9,565.51	7,140.35	75.73	79.53	128.64	-404.20	-1,791.25	475.69	347.69	128.01	3.716		
9,300.00	6,841.91	9,665.51	7,138.91	78.32	82.12	128.66	-407.43	-1,891.19	475.49	343.33	132.16	3.598		
9,400.00	6,840.48	9,765.51	7,137.46	80.92	84.72	128.68	-410.66	-1,991.13	475.28	338.94	136.34	3.486		
9,500.00	6,839.06	9,865.51	7,136.02	83.54	87.34	128.70	-413.89	-2,091.06	475.07	334.53	140.54	3.380		
9,600.00	6,837.63	9,965.51	7,134.58	86.18	89.98	128.71	-417.12	-2,191.00	474.87	330.10	144.76	3.280		
9,700.00	6,836.21	10,065.51	7,133.13	88.82	92.62	128.73	-420.35	-2,290.94	474.66	325.66	149.00	3.186		
9,800.00	6,834.78	10,165.51	7,131.69	91.48	95.28	128.75	-423.58	-2,390.87	474.45	321.19	153.26	3.096		
9,900.00	6,833.36	10,265.51	7,130.25	94.15	97.95	128.76	-426.81	-2,490.81	474.25	316.71	157.53	3.010		
10,000.00	6,831.94	10,365.51	7,128.80	96.83	100.63	128.78	-430.04	-2,590.75	474.04	312.22	161.82	2.929		
10,100.00	6,830.51	10,465.51	7,127.36	99.52	103.31	128.80	-433.28	-2,690.68	473.83	307.72	166.12	2.852		
10,200.00	6,829.09	10,565.51	7,125.92	102.22	106.01	128.82	-436.51	-2,790.62	473.63	303.20	170.43	2.779		
10,300.00	6,827.66	10,665.51	7,124.48	104.92	108.71	128.83	-439.74	-2,890.56	473.42	298.67	174.75	2.709		
10,400.00	6,826.24	10,765.51	7,123.03	107.63	111.42	128.85	-442.97	-2,990.50	473.21	294.13	179.08	2.642		
10,500.00	6,824.81	10,865.51	7,121.59	110.35	114.14	128.87	-446.20	-3,090.43	473.01	289.59	183.42	2.579		
10,600.00	6,823.39	10,965.51	7,120.15	113.08	116.86	128.88	-449.43	-3,190.37	472.80	285.03	187.77	2.518		
10,700.00	6,821.96	11,065.50	7,118.70	115.81	119.59	128.90	-452.66	-3,290.31	472.59	280.47	192.12	2.460		
10,800.00	6,820.54	11,165.50	7,117.26	118.54	122.32	128.92	-455.89	-3,390.24	472.39	275.91	196.48	2.404		
10,900.00	6,819.12	11,265.50	7,115.82	121.29	125.06	128.94	-459.12	-3,490.18	472.18	271.33	200.85	2.351		
11,000.00	6,817.69	11,365.50	7,114.37	124.03	127.80	128.95	-462.35	-3,590.12	471.97	266.75	205.22	2.300		
11,100.00	6,816.27	11,465.50	7,112.93	126.78	130.55	128.97	-465.58	-3,690.06	471.77	262.17	209.60	2.251		
11,200.00	6,814.84	11,565.50	7,111.49	129.54	133.30	128.99	-468.82	-3,789.99	471.56	257.58	213.98	2.204		
11,300.00	6,813.42	11,665.50	7,110.04	132.29	136.06	129.01	-472.05	-3,889.93	471.36	252.99	218.37	2.159		
11,400.00	6,811.99	11,765.50	7,108.60	135.05	138.81	129.02	-475.28	-3,989.87	471.15	248.39	222.76	2.115		
11,500.00	6,810.57	11,865.50	7,107.16	137.82	141.58	129.04	-478.51	-4,089.80	470.94	243.79	227.16	2.073		
11,534.42	6,810.08	11,900.08	7,106.66	138.77	142.53	129.05	-479.62	-4,124.21	470.87	242.20	228.67	2.059		
11,600.00	6,809.15	11,965.49	7,105.72	140.59	144.34	129.14	-481.74	-4,189.73	470.16	238.75	231.40	2.032		
11,645.35	6,808.50	12,010.82	7,105.06	141.85	145.59	129.29	-483.20	-4,235.03	468.98	235.87	233.11	2.012		
11,700.00	6,807.72	12,065.42	7,104.27	143.37	147.11	129.46	-484.97	-4,289.60	467.23	232.16	235.07	1.988		
11,800.00	6,806.30	12,165.34	7,102.83	146.16	149.88	129.78	-488.20	-4,389.45	464.04	225.42	238.63	1.945		
11,900.00	6,804.88	12,265.25	7,101.39	148.94	152.65	130.11	-491.42	-4,489.30	460.87	218.74	242.13	1.903		
12,000.00	6,803.45	12,365.17	7,099.95	151.74	155.42	130.44	-494.65	-4,589.16	457.71	212.12	245.58	1.864		
12,100.00	6,802.03	12,465.08	7,098.51	154.53	158.20	130.77	-497.88	-4,689.01	454.56	205.58	248.99	1.826		
12,200.00	6,800.61	12,565.00	7,097.06	157.32	160.97	131.11	-501.11	-4,788.86	451.44	199.10	252.34	1.789		
12,300.00	6,799.18	12,664.91	7,095.62	160.12	163.76	131.46	-504.34	-4,888.71	448.32	192.69	255.63	1.754		
12,400.00	6,797.76	12,764.83	7,094.18	162.92	166.54	131.80	-507.56	-4,988.57	445.23	186.36	258.87	1.720		
12,500.00	6,796.34	12,864.74	7,092.74	165.72	169.32	132.16	-510.79	-5,088.42	442.15	180.10	262.05	1.687		
12,600.00	6,794.92	12,964.66	7,091.30	168.53	172.11	132.52	-514.02	-5,188.27	439.09	173.91	265.18	1.656		
12,700.00	6,793.49	13,064.57	7,089.85	171.33	174.90	132.88	-517.25	-5,288.12	436.04	167.81	268.24	1.626		
12,800.00	6,792.07	13,164.49	7,088.41	174.14	177.69	133.25	-520.48	-5,387.98	433.02	161.79	271.23	1.596		
12,900.00	6,790.65	13,264.40	7,086.97	176.95	180.48	133.62	-523.71	-5,487.83	430.01	155.85	274.16	1.568		
13,000.00	6,789.22	13,364.32	7,085.53	179.76	183.27	134.00	-526.93	-5,587.68	427.02	149.99	277.03	1.541		
13,100.00	6,787.80	13,464.23	7,084.09	182.57	186.07	134.39	-530.16	-5,687.53	424.05	144.23	279.82	1.515		
13,200.00	6,786.38	13,564.15	7,082.65	185.38	188.86	134.78	-533.39	-5,787.39	421.10	138.55	282.54	1.490 Level 3		
13,300.00	6,784.95	13,664.06	7,081.20	188.20	191.66	135.17	-536.62	-5,887.24	418.17	132.97	285.19	1.466 Level 3		
13,400.00	6,783.53	13,763.98	7,079.76	191.01	194.46	135.57	-539.85	-5,987.09	415.25	127.49	287.77	1.443 Level 3		
13,500.00	6,782.11	13,863.89	7,078.32	193.83	197.26	135.98	-543.07	-6,086.94	412.36	122.10	290.27	1.421 Level 3		
13,600.00	6,780.68	13,963.81	7,076.88	196.65	200.06	136.39	-546.30	-6,186.80	409.49	116.81	292.69	1.399 Level 3		
13,700.00	6,779.26	14,063.72	7,075.44	199.47	202.86	136.81	-549.53	-6,286.65	406.65	111.62	295.02	1.378 Level 3		
13,800.00	6,777.84	14,163.64	7,073.99	202.29	205.66	137.24	-552.76	-6,386.50	403.82	106.54	297.28	1.358 Level 3		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	14,263.55	7,072.55	205.11	208.47	137.67	-555.99	-6,486.35	401.02	101.57	299.45	1.339	Level 3	
14,000.00	6,774.99	14,363.47	7,071.11	207.93	211.27	138.10	-559.22	-6,586.21	398.24	96.70	301.53	1.321	Level 3	
14,100.00	6,773.57	14,463.38	7,069.67	210.76	214.08	138.54	-562.44	-6,686.06	395.48	91.95	303.52	1.303	Level 3	
14,200.00	6,772.15	14,563.30	7,068.23	213.58	216.88	138.99	-565.67	-6,785.91	392.74	87.32	305.43	1.286	Level 3	
14,300.00	6,770.72	14,663.21	7,066.79	216.40	219.69	139.45	-568.90	-6,885.76	390.04	82.80	307.23	1.270	Level 3	
14,400.00	6,769.30	14,763.13	7,065.34	219.23	222.50	139.91	-572.13	-6,985.62	387.35	78.40	308.95	1.254	Level 3	
14,500.00	6,767.88	14,863.04	7,063.90	222.06	225.31	140.37	-575.36	-7,085.47	384.69	74.13	310.56	1.239	Level 2	
14,600.00	6,766.45	14,962.96	7,062.46	224.89	228.12	140.85	-578.58	-7,185.32	382.06	69.98	312.08	1.224	Level 2	
14,700.00	6,765.03	15,062.87	7,061.02	227.71	230.93	141.33	-581.81	-7,285.17	379.45	65.96	313.49	1.210	Level 2	
14,800.00	6,763.61	15,162.79	7,059.58	230.54	233.74	141.82	-585.04	-7,385.03	376.87	62.07	314.80	1.197	Level 2	
14,900.00	6,762.19	15,262.70	7,058.13	233.37	236.56	142.31	-588.27	-7,484.88	374.32	58.31	316.01	1.185	Level 2	
15,000.00	6,760.76	15,362.62	7,056.69	236.20	239.37	142.81	-591.50	-7,584.73	371.80	54.69	317.10	1.172	Level 2	
15,100.00	6,759.34	15,462.53	7,055.25	239.03	242.18	143.32	-594.73	-7,684.58	369.30	51.21	318.09	1.161	Level 2	
15,200.00	6,757.92	15,562.45	7,053.81	241.86	245.00	143.83	-597.95	-7,784.44	366.84	47.87	318.97	1.150	Level 2	
15,300.00	6,756.49	15,662.36	7,052.37	244.70	247.81	144.35	-601.18	-7,884.29	364.40	44.67	319.73	1.140	Level 2	
15,334.19	6,756.01	15,696.53	7,051.87	245.66	248.77	144.53	-602.29	-7,918.43	363.58	43.61	319.97	1.136	Level 2, SF	
15,334.64	6,756.00	15,687.75	7,052.00	245.68	248.53	144.48	-602.00	-7,909.66	363.68	43.95	319.73	1.137	Level 2	
15,335.52	6,755.99	15,687.75	7,052.00	245.70	248.53	144.48	-602.00	-7,909.66	363.68	43.98	319.71	1.138	Level 2	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	300.03	300.01	3.44	3.44	8.66	29.60	4.51	29.94	23.05	6.89	4.347		
300.94	300.94	300.96	300.94	3.45	3.44	-121.38	29.59	4.54	29.94	23.05	6.89	4.346 CC		
400.00	399.98	399.89	399.73	3.60	3.60	-114.50	28.78	9.67	31.05	23.85	7.19	4.316		
500.00	499.84	499.57	499.02	3.79	3.80	-107.96	27.42	18.24	34.44	26.85	7.59	4.537		
600.00	599.45	600.93	597.78	4.03	4.05	-102.80	25.54	30.16	40.04	31.95	8.08	4.954		
700.00	698.70	701.18	696.64	4.30	4.33	-101.64	23.45	43.34	46.94	38.30	8.64	5.434		
785.00	782.69	783.55	780.61	4.56	4.59	-103.76	21.68	54.54	53.41	44.26	9.15	5.837		
800.00	797.47	801.51	795.41	4.60	4.65	-104.33	21.36	56.51	54.61	45.36	9.26	5.900		
900.00	896.04	901.89	894.13	4.94	4.99	-107.54	19.28	69.68	62.75	52.82	9.93	6.321		
1,000.00	994.61	1,002.28	992.85	5.30	5.35	-110.02	17.19	82.84	71.04	60.40	10.64	6.676		
1,100.00	1,093.18	1,102.66	1,091.57	5.69	5.72	-111.97	15.11	96.01	79.43	68.04	11.39	6.975		
1,200.00	1,191.75	1,203.05	1,190.29	6.08	6.11	-113.55	13.02	109.18	87.90	75.73	12.16	7.226		
1,300.00	1,290.32	1,296.56	1,289.01	6.49	6.48	-114.86	10.94	122.34	96.42	83.49	12.93	7.455		
1,400.00	1,388.89	1,403.82	1,387.73	6.91	6.92	-115.95	8.85	135.51	104.98	91.21	13.78	7.621		
1,500.00	1,487.46	1,504.21	1,486.44	7.34	7.33	-116.87	6.77	148.67	113.58	98.97	14.61	7.776		
1,600.00	1,586.03	1,604.59	1,585.16	7.77	7.75	-117.67	4.68	161.84	122.20	106.75	15.45	7.909		
1,700.00	1,684.61	1,704.98	1,683.88	8.22	8.18	-118.36	2.60	175.00	130.84	114.54	16.31	8.025		
1,800.00	1,783.18	1,805.36	1,782.60	8.66	8.61	-118.96	0.51	188.17	139.50	122.33	17.17	8.125		
1,900.00	1,881.75	1,905.75	1,881.32	9.11	9.05	-119.49	-1.57	201.33	148.17	130.13	18.04	8.213		
2,000.00	1,980.32	2,006.14	1,980.04	9.57	9.48	-119.97	-3.66	214.50	156.85	137.93	18.92	8.291		
2,100.00	2,078.89	2,106.52	2,078.76	10.02	9.93	-120.39	-5.75	227.67	165.54	145.74	19.80	8.360		
2,200.00	2,177.46	2,206.91	2,177.47	10.49	10.37	-120.78	-7.83	240.83	174.24	153.55	20.69	8.421		
2,300.00	2,276.03	2,307.29	2,276.19	10.95	10.82	-121.12	-9.92	254.00	182.95	161.37	21.58	8.476		
2,400.00	2,374.60	2,407.68	2,374.91	11.41	11.26	-121.44	-12.00	267.16	191.66	169.18	22.48	8.525		
2,500.00	2,473.17	2,508.06	2,473.63	11.88	11.71	-121.73	-14.09	280.33	200.38	177.00	23.38	8.570		
2,600.00	2,571.74	2,608.45	2,572.35	12.35	12.16	-121.99	-16.17	293.49	209.11	184.82	24.29	8.610		
2,700.00	2,670.31	2,708.83	2,671.07	12.82	12.62	-122.23	-18.26	306.66	217.83	192.64	25.19	8.647		
2,800.00	2,768.88	2,809.22	2,769.78	13.29	13.07	-122.45	-20.34	319.83	226.56	200.46	26.10	8.680		
2,900.00	2,867.45	2,909.61	2,868.50	13.76	13.53	-122.66	-22.43	332.99	235.30	208.28	27.01	8.710		
3,000.00	2,966.02	3,009.99	2,967.22	14.24	13.98	-122.85	-24.51	346.16	244.03	216.11	27.93	8.738		
3,100.00	3,064.59	3,089.62	3,065.94	14.71	14.34	-123.03	-26.60	359.32	252.77	224.03	28.75	8.793		
3,200.00	3,163.16	3,189.24	3,164.66	15.19	14.80	-123.20	-28.68	372.49	261.51	231.85	29.66	8.817		
3,300.00	3,261.73	3,288.85	3,263.38	15.66	15.25	-123.36	-30.77	385.65	270.26	239.68	30.58	8.839		
3,400.00	3,360.30	3,388.47	3,362.10	16.14	15.71	-123.50	-32.85	398.82	279.00	247.51	31.49	8.860		
3,500.00	3,458.87	3,488.08	3,460.81	16.62	16.16	-123.64	-34.94	411.98	287.75	255.34	32.41	8.879		
3,600.00	3,557.44	3,587.70	3,559.53	17.10	16.62	-123.77	-37.02	425.15	296.50	263.17	33.33	8.897		
3,700.00	3,656.01	3,687.31	3,658.25	17.58	17.08	-123.89	-39.11	438.32	305.25	271.00	34.25	8.913		
3,800.00	3,754.58	3,786.92	3,756.97	18.06	17.53	-124.01	-41.19	451.48	314.00	278.83	35.17	8.929		
3,900.00	3,853.15	3,886.54	3,855.69	18.54	17.99	-124.12	-43.28	464.65	322.75	286.66	36.09	8.944		
4,000.00	3,951.72	3,986.15	3,954.41	19.02	18.45	-124.22	-45.36	477.81	331.51	294.50	37.01	8.957		
4,100.00	4,050.29	4,085.77	4,053.13	19.50	18.91	-124.32	-47.45	490.98	340.26	302.33	37.93	8.970		
4,200.00	4,148.86	4,185.38	4,151.84	19.98	19.37	-124.41	-49.53	504.14	349.02	310.16	38.86	8.982		
4,300.00	4,247.43	4,285.00	4,250.56	20.46	19.83	-124.50	-51.62	517.31	357.77	317.99	39.78	8.994		
4,400.00	4,346.00	4,384.61	4,349.28	20.94	20.29	-124.58	-53.71	530.48	366.53	325.82	40.71	9.004		
4,500.00	4,444.58	4,484.23	4,448.00	21.43	20.75	-124.66	-55.79	543.64	375.29	333.66	41.63	9.015		
4,600.00	4,543.15	4,583.84	4,546.72	21.91	21.21	-124.74	-57.88	556.81	384.05	341.49	42.56	9.024		
4,700.00	4,641.72	4,683.45	4,645.44	22.39	21.67	-124.81	-59.96	569.97	392.81	349.32	43.48	9.033		
4,800.00	4,740.29	4,783.07	4,744.16	22.87	22.13	-124.88	-62.05	583.14	401.57	357.16	44.41	9.042		
4,900.00	4,838.86	4,882.68	4,842.87	23.36	22.59	-124.95	-64.13	596.30	410.33	364.99	45.34	9.050		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	4,937.43	4,982.30	4,941.59	23.84	23.05	-125.01	-66.22	609.47	419.09	372.82	46.27	9.058		
5,100.00	5,036.00	5,081.91	5,040.31	24.32	23.51	-125.07	-68.30	622.63	427.85	380.65	47.19	9.066		
5,200.00	5,134.57	5,181.53	5,139.03	24.81	23.97	-125.13	-70.39	635.80	436.61	388.49	48.12	9.073		
5,300.00	5,233.14	5,281.14	5,237.75	25.29	24.44	-125.19	-72.47	648.97	445.37	396.32	49.05	9.080		
5,400.00	5,331.71	5,380.75	5,336.47	25.78	24.90	-125.24	-74.56	662.13	454.14	404.15	49.98	9.086		
5,500.00	5,430.28	5,480.37	5,435.19	26.26	25.36	-125.30	-76.64	675.30	462.90	411.99	50.91	9.092		
5,600.00	5,528.85	5,579.98	5,533.90	26.75	25.82	-125.35	-78.73	688.46	471.66	419.82	51.84	9.098		
5,700.00	5,627.42	5,679.60	5,632.62	27.23	26.28	-125.40	-80.81	701.63	480.43	427.66	52.77	9.104		
5,800.00	5,725.99	5,779.21	5,731.34	27.72	26.75	-125.44	-82.90	714.79	489.19	435.49	53.70	9.110		
5,900.00	5,824.56	5,878.83	5,830.06	28.20	27.21	-125.49	-84.98	727.96	497.96	443.32	54.63	9.115		
6,000.00	5,923.13	5,978.44	5,928.78	28.69	27.67	-125.53	-87.07	741.13	506.72	451.16	55.56	9.120		
6,100.00	6,021.70	6,078.06	6,027.50	29.17	28.14	-125.57	-89.15	754.29	515.49	458.99	56.49	9.125		
6,200.00	6,120.27	6,177.67	6,126.22	29.66	28.60	-125.62	-91.24	767.46	524.25	466.83	57.43	9.129		
6,238.51	6,158.23	6,216.03	6,164.23	29.84	28.78	-125.63	-92.04	772.53	527.63	469.84	57.78	9.131		
6,250.00	6,169.57	6,227.48	6,175.57	29.90	28.83	-130.13	-92.28	774.04	528.65	470.75	57.89	9.132		
6,300.00	6,219.12	6,277.17	6,224.82	30.13	29.06	-159.22	-93.32	780.61	533.36	475.01	58.35	9.140		
6,350.00	6,268.78	6,329.08	6,276.32	30.33	29.30	163.29	-94.43	787.00	538.50	479.68	58.83	9.154		
6,400.00	6,318.25	6,384.67	6,331.80	30.52	29.53	138.78	-95.77	789.82	543.72	484.43	59.29	9.171		
6,450.00	6,367.22	6,440.99	6,388.05	30.69	29.74	126.30	-97.31	787.72	548.87	489.16	59.72	9.191		
6,500.00	6,415.39	6,498.04	6,444.60	30.86	29.95	119.47	-99.05	780.55	553.92	493.80	60.12	9.213		
6,550.00	6,462.47	6,555.77	6,500.93	31.02	30.16	115.29	-100.97	768.16	558.80	498.29	60.51	9.235		
6,600.00	6,508.16	6,614.13	6,556.50	31.18	30.38	112.50	-103.07	750.51	563.48	502.59	60.89	9.254		
6,650.00	6,552.18	6,673.06	6,610.72	31.34	30.61	110.50	-105.32	727.60	567.90	506.64	61.27	9.270		
6,700.00	6,594.26	6,732.49	6,663.02	31.51	30.84	108.97	-107.72	699.52	572.03	510.39	61.64	9.280		
6,750.00	6,634.14	6,792.34	6,712.80	31.68	31.10	107.75	-110.23	666.44	575.82	513.80	62.03	9.283		
6,800.00	6,671.58	6,852.50	6,755.49	31.86	31.37	106.72	-112.84	628.62	579.24	516.80	62.44	9.276		
6,850.00	6,706.34	6,912.88	6,802.54	32.06	31.68	105.82	-115.51	586.41	582.27	519.36	62.91	9.256		
6,900.00	6,738.21	6,973.36	6,841.46	32.27	32.02	105.01	-118.23	540.22	584.87	521.43	63.44	9.219		
6,950.00	6,766.99	7,033.85	6,875.82	32.52	32.42	104.26	-120.95	490.54	587.04	522.98	64.06	9.163		
7,000.00	6,792.51	7,094.21	6,905.25	32.80	32.86	103.54	-123.65	437.93	588.76	523.97	64.79	9.088		
7,050.00	6,814.61	7,154.35	6,929.49	33.12	33.36	102.86	-126.31	382.98	590.03	524.41	65.63	8.991		
7,100.00	6,833.15	7,214.15	6,948.34	33.48	33.91	102.19	-128.89	326.31	590.86	524.27	66.58	8.874		
7,150.00	6,848.02	7,273.53	6,961.70	33.89	34.52	101.54	-131.36	268.54	591.25	523.59	67.66	8.739		
7,200.00	6,859.13	7,332.38	6,969.58	34.35	35.17	100.90	-133.71	210.28	591.21	522.37	68.84	8.589		
7,250.00	6,866.40	7,390.63	6,972.05	34.86	35.86	100.28	-135.92	152.15	590.76	520.66	70.10	8.427		
7,300.00	6,869.79	7,441.34	6,971.42	35.40	36.51	99.90	-137.76	101.47	590.19	518.81	71.38	8.268		
7,327.68	6,870.00	7,469.02	6,971.06	35.71	36.88	99.87	-138.77	73.82	589.98	517.89	72.08	8.185		
7,400.00	6,868.97	7,541.33	6,970.10	36.61	37.89	99.88	-141.41	1.56	589.52	515.49	74.03	7.964		
7,500.00	6,867.54	7,641.33	6,968.79	38.01	39.44	99.91	-145.05	-98.37	588.88	511.90	76.98	7.650		
7,600.00	6,866.12	7,741.33	6,967.48	39.58	41.12	99.93	-148.70	-198.29	588.25	508.03	80.22	7.333		
7,700.00	6,864.69	7,841.33	6,966.16	41.29	42.92	99.95	-152.34	-298.21	587.61	503.91	83.71	7.020		
7,800.00	6,863.27	7,941.32	6,964.85	43.12	44.84	99.97	-155.99	-398.13	586.98	499.56	87.41	6.715		
7,900.00	6,861.85	8,041.32	6,963.53	45.06	46.84	99.99	-159.63	-498.06	586.34	495.03	91.32	6.421		
8,000.00	6,860.42	8,141.32	6,962.22	47.10	48.93	100.02	-163.28	-597.98	585.71	490.32	95.39	6.140		
8,100.00	6,859.00	8,241.32	6,960.90	49.21	51.10	100.04	-166.92	-697.90	585.07	485.46	99.61	5.874		
8,200.00	6,857.57	8,341.31	6,959.59	51.40	53.32	100.06	-170.57	-797.83	584.44	480.48	103.96	5.622		
8,300.00	6,856.15	8,441.31	6,958.27	53.65	55.61	100.08	-174.21	-897.75	583.80	475.38	108.42	5.384		
8,400.00	6,854.72	8,541.31	6,956.96	55.96	57.94	100.10	-177.86	-997.67	583.17	470.18	112.99	5.161		
8,500.00	6,853.30	8,641.31	6,955.64	58.31	60.32	100.13	-181.50	-1,097.59	582.53	464.89	117.64	4.952		
8,600.00	6,851.88	8,741.31	6,954.33	60.70	62.73	100.15	-185.15	-1,197.52	581.90	459.52	122.38	4.755		
8,700.00	6,850.45	8,841.30	6,953.01	63.14	65.18	100.17	-188.79	-1,297.44	581.26	454.08	127.18	4.570		
8,800.00	6,849.03	8,941.30	6,951.70	65.60	67.66	100.19	-192.44	-1,397.36	580.63	448.58	132.05	4.397		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	9,041.30	6,950.39	68.10	70.17	100.21	-196.08	-1,497.28	579.99	443.03	136.97	4.235		
9,000.00	6,846.18	9,141.30	6,949.07	70.62	72.70	100.24	-199.73	-1,597.21	579.36	437.42	141.94	4.082		
9,100.00	6,844.75	9,241.29	6,947.76	73.17	75.26	100.26	-203.37	-1,697.13	578.73	431.77	146.95	3.938		
9,200.00	6,843.33	9,341.29	6,946.44	75.73	77.83	100.28	-207.02	-1,797.05	578.09	426.08	152.01	3.803		
9,300.00	6,841.91	9,441.29	6,945.13	78.32	80.43	100.30	-210.66	-1,896.97	577.46	420.36	157.10	3.676		
9,400.00	6,840.48	9,541.29	6,943.81	80.92	83.04	100.33	-214.31	-1,996.90	576.82	414.60	162.22	3.556		
9,500.00	6,839.06	9,641.29	6,942.50	83.54	85.66	100.35	-217.95	-2,096.82	576.19	408.82	167.37	3.443		
9,600.00	6,837.63	9,741.28	6,941.18	86.18	88.30	100.37	-221.60	-2,196.74	575.56	403.00	172.55	3.336		
9,700.00	6,836.21	9,841.28	6,939.87	88.82	90.95	100.39	-225.24	-2,296.66	574.92	397.17	177.76	3.234		
9,800.00	6,834.78	9,941.28	6,938.55	91.48	93.61	100.42	-228.89	-2,396.59	574.29	391.31	182.98	3.138		
9,900.00	6,833.36	10,041.28	6,937.24	94.15	96.28	100.44	-232.53	-2,496.51	573.65	385.43	188.23	3.048		
10,000.00	6,831.94	10,141.27	6,935.92	96.83	98.96	100.46	-236.18	-2,596.43	573.02	379.53	193.49	2.961		
10,100.00	6,830.51	10,241.27	6,934.61	99.52	101.65	100.49	-239.82	-2,696.36	572.39	373.61	198.77	2.880		
10,200.00	6,829.09	10,341.27	6,933.30	102.22	104.35	100.51	-243.47	-2,796.28	571.75	367.68	204.07	2.802		
10,300.00	6,827.66	10,441.27	6,931.98	104.92	107.05	100.53	-247.11	-2,896.20	571.12	361.74	209.38	2.728		
10,400.00	6,826.24	10,541.26	6,930.67	107.63	109.77	100.55	-250.76	-2,996.12	570.49	355.78	214.71	2.657		
10,500.00	6,824.81	10,641.26	6,929.35	110.35	112.48	100.58	-254.40	-3,096.05	569.86	349.81	220.05	2.590		
10,600.00	6,823.39	10,741.26	6,928.04	113.08	115.21	100.60	-258.05	-3,195.97	569.22	343.83	225.39	2.525		
10,700.00	6,821.96	10,841.26	6,926.72	115.81	117.94	100.62	-261.69	-3,295.89	568.59	337.84	230.75	2.464		
10,800.00	6,820.54	10,941.26	6,925.41	118.54	120.67	100.65	-265.34	-3,395.81	567.96	331.84	236.12	2.405		
10,900.00	6,819.12	11,041.25	6,924.09	121.29	123.41	100.67	-268.98	-3,495.74	567.32	325.83	241.50	2.349		
11,000.00	6,817.69	11,141.25	6,922.78	124.03	126.16	100.69	-272.63	-3,595.66	566.69	319.81	246.88	2.295		
11,100.00	6,816.27	11,241.25	6,921.46	126.78	128.91	100.72	-276.27	-3,695.58	566.06	313.78	252.28	2.244		
11,200.00	6,814.84	11,341.25	6,920.15	129.54	131.66	100.74	-279.92	-3,795.50	565.43	307.75	257.68	2.194		
11,300.00	6,813.42	11,441.24	6,918.83	132.29	134.42	100.76	-283.56	-3,895.43	564.80	301.71	263.08	2.147		
11,400.00	6,811.99	11,541.24	6,917.52	135.05	137.18	100.79	-287.21	-3,995.35	564.16	295.67	268.50	2.101		
11,500.00	6,810.57	11,641.24	6,916.20	137.82	139.94	100.81	-290.85	-4,095.27	563.53	289.62	273.91	2.057		
11,534.42	6,810.08	11,675.66	6,915.75	138.77	140.89	100.82	-292.11	-4,129.67	563.31	287.53	275.78	2.043		
11,600.00	6,809.15	11,741.23	6,914.89	140.59	142.70	100.87	-294.50	-4,195.18	562.16	282.83	279.33	2.013		
11,645.35	6,808.50	11,786.55	6,914.29	141.85	143.96	100.93	-296.15	-4,240.47	560.50	278.73	281.77	1.989		
11,700.00	6,807.72	11,841.14	6,913.58	143.37	145.47	100.98	-298.18	-4,295.02	558.08	273.37	284.71	1.960		
11,800.00	6,806.30	11,941.04	6,912.26	146.16	148.24	101.08	-301.78	-4,394.84	553.65	263.56	290.09	1.909		
11,900.00	6,804.88	12,040.93	6,910.95	148.94	151.01	101.18	-305.42	-4,494.66	549.22	253.76	295.46	1.859		
12,000.00	6,803.45	12,140.83	6,909.64	151.74	153.79	101.29	-309.06	-4,594.49	544.79	243.95	300.84	1.811		
12,100.00	6,802.03	12,240.73	6,908.32	154.53	156.56	101.39	-312.70	-4,694.31	540.37	234.15	306.22	1.765		
12,200.00	6,800.61	12,340.62	6,907.01	157.32	159.34	101.50	-316.35	-4,794.13	535.94	224.35	311.59	1.720		
12,300.00	6,799.18	12,440.52	6,905.70	160.12	162.12	101.61	-319.99	-4,893.95	531.52	214.56	316.96	1.677		
12,400.00	6,797.76	12,540.42	6,904.38	162.92	164.91	101.72	-323.63	-4,993.77	527.10	204.77	322.33	1.635		
12,500.00	6,796.34	12,640.31	6,903.07	165.72	167.69	101.83	-327.27	-5,093.60	522.68	194.99	327.69	1.595		
12,600.00	6,794.92	12,740.21	6,901.76	168.53	170.48	101.95	-330.91	-5,193.42	518.27	185.21	333.06	1.556		
12,700.00	6,793.49	12,840.11	6,900.44	171.33	173.26	102.06	-334.55	-5,293.24	513.85	175.44	338.41	1.518		
12,800.00	6,792.07	12,940.01	6,899.13	174.14	176.05	102.18	-338.19	-5,393.06	509.44	165.68	343.77	1.482 Level 3		
12,900.00	6,790.65	13,039.90	6,897.82	176.95	178.85	102.30	-341.83	-5,492.88	505.03	155.92	349.11	1.447 Level 3		
13,000.00	6,789.22	13,139.80	6,896.50	179.76	181.64	102.42	-345.48	-5,592.71	500.63	146.17	354.46	1.412 Level 3		
13,100.00	6,787.80	13,239.70	6,895.19	182.57	184.43	102.55	-349.12	-5,692.53	496.22	136.43	359.79	1.379 Level 3		
13,200.00	6,786.38	13,339.59	6,893.88	185.38	187.23	102.68	-352.76	-5,792.35	491.82	126.69	365.13	1.347 Level 3		
13,300.00	6,784.95	13,439.49	6,892.56	188.20	190.02	102.81	-356.40	-5,892.17	487.42	116.97	370.45	1.316 Level 3		
13,400.00	6,783.53	13,539.39	6,891.25	191.01	192.82	102.94	-360.04	-5,992.00	483.02	107.25	375.77	1.285 Level 3		
13,500.00	6,782.11	13,639.29	6,889.94	193.83	195.62	103.07	-363.68	-6,091.82	478.63	97.55	381.08	1.256 Level 3		
13,600.00	6,780.68	13,739.18	6,888.62	196.65	198.42	103.21	-367.32	-6,191.64	474.23	87.86	386.38	1.227 Level 2		
13,700.00	6,779.26	13,839.08	6,887.31	199.47	201.22	103.35	-370.96	-6,291.46	469.84	78.17	391.67	1.200 Level 2		
13,800.00	6,777.84	13,938.98	6,886.00	202.29	204.03	103.49	-374.61	-6,391.28	465.46	68.50	396.95	1.173 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 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	14,038.87	6,884.68	205.11	206.83	103.63	-378.25	-6,491.11	461.07	58.85	402.23	1.146	Level 2	
14,000.00	6,774.99	14,138.77	6,883.37	207.93	209.63	103.78	-381.89	-6,590.93	456.69	49.20	407.49	1.121	Level 2	
14,100.00	6,773.57	14,238.67	6,882.06	210.76	212.44	103.93	-385.53	-6,690.75	452.31	39.58	412.74	1.096	Level 2	
14,200.00	6,772.15	14,338.56	6,880.74	213.58	215.25	104.08	-389.17	-6,790.57	447.94	29.96	417.98	1.072	Level 2	
14,300.00	6,770.72	14,438.46	6,879.43	216.40	218.05	104.24	-392.81	-6,890.39	443.57	20.36	423.21	1.048	Level 2	
14,400.00	6,769.30	14,538.36	6,878.12	219.23	220.86	104.40	-396.45	-6,990.22	439.20	10.78	428.42	1.025	Level 2	
14,500.00	6,767.88	14,638.26	6,876.80	222.06	223.67	104.56	-400.09	-7,090.04	434.84	1.21	433.62	1.003	Level 2	
14,600.00	6,766.45	14,738.15	6,875.49	224.89	226.48	104.73	-403.74	-7,189.86	430.47	-8.33	438.81	0.981	Level 1	
14,700.00	6,765.03	14,838.05	6,874.18	227.71	229.29	104.89	-407.38	-7,289.68	426.12	-17.86	443.98	0.960	Level 1	
14,800.00	6,763.61	14,937.95	6,872.86	230.54	232.10	105.07	-411.02	-7,389.50	421.76	-27.37	449.14	0.939	Level 1	
14,900.00	6,762.19	15,037.84	6,871.55	233.37	234.91	105.24	-414.66	-7,489.33	417.41	-36.86	454.28	0.919	Level 1	
15,000.00	6,760.76	15,137.74	6,870.24	236.20	237.72	105.42	-418.30	-7,589.15	413.07	-46.33	459.40	0.899	Level 1	
15,100.00	6,759.34	15,237.64	6,868.92	239.03	240.54	105.61	-421.94	-7,688.97	408.73	-55.77	464.50	0.880	Level 1	
15,200.00	6,757.92	15,337.54	6,867.61	241.86	243.35	105.79	-425.58	-7,788.79	404.39	-65.19	469.58	0.861	Level 1	
15,300.00	6,756.49	15,437.43	6,866.30	244.70	246.16	105.98	-429.22	-7,888.61	400.06	-74.59	474.65	0.843	Level 1	
15,334.64	6,756.00	15,460.74	6,865.99	245.68	246.82	106.03	-430.07	-7,911.90	398.72	-77.31	476.03	0.838	Level 1	
15,335.52	6,755.99	15,460.74	6,865.99	245.70	246.82	106.03	-430.07	-7,911.90	398.70	-77.32	476.03	0.838	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6.06	149.36	15.87	150.20					
100.00	100.00	100.00	100.00	3.28	3.28	6.06	149.36	15.87	150.20	143.63	6.57	22.864		
200.00	200.00	200.00	200.00	3.34	3.34	6.06	149.36	15.87	150.20	143.53	6.67	22.505		
300.00	300.00	300.00	300.00	3.44	3.44	6.06	149.36	15.87	150.20	143.31	6.89	21.800 CC, ES		
400.00	399.98	395.00	394.98	3.60	3.59	-124.61	150.93	15.76	152.82	145.62	7.20	21.222		
500.00	499.84	489.44	489.31	3.79	3.79	-126.21	155.61	15.43	160.76	153.16	7.61	21.134 SF		
600.00	599.45	582.80	582.34	4.03	4.01	-128.52	163.27	14.90	174.25	166.15	8.09	21.530		
700.00	698.70	674.55	673.49	4.30	4.26	-131.16	173.75	14.18	193.49	184.85	8.64	22.397		
785.00	782.69	750.93	749.07	4.56	4.49	-133.42	184.69	13.42	214.48	205.34	9.14	23.474		
800.00	797.47	764.24	762.21	4.60	4.53	-133.86	186.80	13.28	218.60	209.37	9.23	23.685		
900.00	896.04	858.71	855.38	4.94	4.83	-136.59	202.34	12.20	246.95	237.12	9.83	25.123		
1,000.00	994.61	953.99	949.36	5.30	5.15	-138.77	218.03	11.11	275.73	265.27	10.46	26.358		
1,100.00	1,093.18	1,049.27	1,043.34	5.69	5.49	-140.55	233.71	10.03	304.82	293.69	11.13	27.386		
1,200.00	1,191.75	1,144.56	1,137.32	6.08	5.85	-142.02	249.40	8.94	334.14	322.31	11.83	28.251		
1,300.00	1,290.32	1,239.84	1,231.30	6.49	6.22	-143.25	265.09	7.86	363.62	351.07	12.55	28.979		
1,400.00	1,388.89	1,335.13	1,325.27	6.91	6.59	-144.30	280.78	6.77	393.23	379.95	13.29	29.594		
1,500.00	1,487.46	1,430.41	1,419.25	7.34	6.98	-145.20	296.47	5.68	422.95	408.91	14.04	30.117		
1,600.00	1,586.03	1,525.70	1,513.23	7.77	7.37	-145.98	312.16	4.60	452.75	437.94	14.81	30.562		
1,700.00	1,684.61	1,620.98	1,607.21	8.22	7.77	-146.67	327.85	3.51	482.62	467.02	15.60	30.944		
1,800.00	1,783.18	1,716.27	1,701.18	8.66	8.18	-147.28	343.54	2.43	512.55	496.16	16.39	31.273		
1,900.00	1,881.75	1,811.55	1,795.16	9.11	8.59	-147.82	359.23	1.34	542.52	525.33	17.19	31.558		
2,000.00	1,980.32	1,906.84	1,889.14	9.57	9.00	-148.30	374.91	0.25	572.53	554.53	18.00	31.807		
2,100.00	2,078.89	2,002.12	1,983.12	10.02	9.41	-148.74	390.60	-0.83	602.57	583.76	18.82	32.024		
2,200.00	2,177.46	2,102.59	2,077.10	10.49	9.86	-149.13	406.29	-1.92	632.65	612.99	19.66	32.179		
2,300.00	2,276.03	2,207.31	2,171.07	10.95	10.32	-149.49	421.98	-3.01	662.74	642.22	20.53	32.284		
2,400.00	2,374.60	2,287.98	2,265.05	11.41	10.68	-149.82	437.67	-4.09	692.86	671.57	21.30	32.534		
2,500.00	2,473.17	2,383.26	2,359.03	11.88	11.10	-150.12	453.36	-5.18	723.00	700.87	22.13	32.667		
2,600.00	2,571.74	2,478.54	2,453.01	12.35	11.53	-150.39	469.05	-6.26	753.16	730.18	22.97	32.787		
2,700.00	2,670.31	2,573.83	2,546.99	12.82	11.95	-150.65	484.74	-7.35	783.33	759.51	23.81	32.894		
2,800.00	2,768.88	2,669.11	2,640.96	13.29	12.38	-150.89	500.43	-8.44	813.51	788.85	24.66	32.990		
2,900.00	2,867.45	2,764.40	2,734.94	13.76	12.81	-151.10	516.12	-9.52	843.70	818.20	25.51	33.077		
3,000.00	2,966.02	2,859.68	2,828.92	14.24	13.24	-151.31	531.80	-10.61	873.91	847.55	26.36	33.156		
3,100.00	3,064.59	2,954.97	2,922.90	14.71	13.68	-151.50	547.49	-11.69	904.12	876.91	27.21	33.228		
3,200.00	3,163.16	3,050.25	3,016.88	15.19	14.11	-151.68	563.18	-12.78	934.34	906.28	28.06	33.293		
3,300.00	3,261.73	3,145.54	3,110.85	15.66	14.54	-151.84	578.87	-13.87	964.58	935.65	28.92	33.352		
3,400.00	3,360.30	3,240.82	3,204.83	16.14	14.98	-152.00	594.56	-14.95	994.81	965.03	29.78	33.407		
3,500.00	3,458.87	3,336.11	3,298.81	16.62	15.41	-152.15	610.25	-16.04	1,025.06	994.42	30.64	33.457		
3,600.00	3,557.44	3,431.39	3,392.79	17.10	15.85	-152.29	625.94	-17.12	1,055.31	1,023.81	31.50	33.503		
3,700.00	3,656.01	3,526.68	3,486.76	17.58	16.29	-152.42	641.63	-18.21	1,085.56	1,053.20	32.36	33.546		
3,800.00	3,754.58	3,621.96	3,580.74	18.06	16.72	-152.54	657.32	-19.30	1,115.82	1,082.60	33.22	33.585		
3,900.00	3,853.15	3,717.24	3,674.72	18.54	17.16	-152.66	673.01	-20.38	1,146.09	1,112.00	34.09	33.621		
4,000.00	3,951.72	3,812.53	3,768.70	19.02	17.60	-152.77	688.69	-21.47	1,176.35	1,141.40	34.95	33.655		
4,100.00	4,050.29	3,907.81	3,862.68	19.50	18.04	-152.88	704.38	-22.55	1,206.63	1,170.81	35.82	33.687		
4,200.00	4,148.86	4,003.10	3,956.65	19.98	18.48	-152.98	720.07	-23.64	1,236.90	1,200.22	36.69	33.716		
4,300.00	4,247.43	4,101.62	4,050.63	20.46	18.93	-153.07	735.76	-24.73	1,267.18	1,229.61	37.57	33.730		
4,400.00	4,346.00	4,206.33	4,144.61	20.94	19.42	-153.17	751.45	-25.81	1,297.46	1,258.98	38.48	33.718		
4,500.00	4,444.58	4,288.95	4,238.59	21.43	19.80	-153.25	767.14	-26.90	1,327.75	1,288.46	39.29	33.792		
4,600.00	4,543.15	4,384.24	4,332.57	21.91	20.24	-153.34	782.83	-27.99	1,358.04	1,317.87	40.16	33.814		
4,700.00	4,641.72	4,479.52	4,426.54	22.39	20.68	-153.42	798.52	-29.07	1,388.33	1,347.29	41.03	33.835		
4,800.00	4,740.29	4,574.81	4,520.52	22.87	21.12	-153.49	814.21	-30.16	1,418.62	1,376.72	41.90	33.854		
4,900.00	4,838.86	4,670.09	4,614.50	23.36	21.56	-153.57	829.89	-31.24	1,448.91	1,406.14	42.78	33.872		
5,000.00	4,937.43	4,765.38	4,708.48	23.84	22.00	-153.64	845.58	-32.33	1,479.21	1,435.56	43.65	33.889		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	4,860.66	4,802.46	24.32	22.44	-153.70	861.27	-33.42	1,509.51	1,464.99	44.52	33.905		
5,200.00	5,134.57	4,955.95	4,896.43	24.81	22.88	-153.77	876.96	-34.50	1,539.81	1,494.42	45.39	33.921		
5,300.00	5,233.14	5,051.23	4,990.41	25.29	23.33	-153.83	892.65	-35.59	1,570.11	1,523.85	46.27	33.935		
5,400.00	5,331.71	5,146.51	5,084.39	25.78	23.77	-153.89	908.34	-36.67	1,600.42	1,553.28	47.14	33.948		
5,500.00	5,430.28	5,241.80	5,178.37	26.26	24.21	-153.95	924.03	-37.76	1,630.72	1,582.71	48.02	33.961		
5,600.00	5,528.85	5,337.08	5,272.34	26.75	24.65	-154.00	939.72	-38.85	1,661.03	1,612.14	48.89	33.973		
5,700.00	5,627.42	5,432.37	5,366.32	27.23	25.09	-154.06	955.41	-39.93	1,691.34	1,641.57	49.77	33.985		
5,800.00	5,725.99	5,527.65	5,460.30	27.72	25.54	-154.11	971.10	-41.02	1,721.65	1,671.01	50.64	33.995		
5,900.00	5,824.56	5,622.94	5,554.28	28.20	25.98	-154.16	986.78	-42.10	1,751.96	1,700.44	51.52	34.006		
6,000.00	5,923.13	5,718.22	5,648.26	28.69	26.42	-154.21	1,002.47	-43.19	1,782.27	1,729.88	52.40	34.015		
6,100.00	6,021.70	5,813.51	5,742.23	29.17	26.87	-154.25	1,018.16	-44.28	1,812.59	1,759.31	53.27	34.024		
6,200.00	6,120.27	5,908.79	5,836.21	29.66	27.31	-154.30	1,033.85	-45.36	1,842.90	1,788.75	54.15	34.033		
6,238.51	6,158.23	5,945.49	5,872.40	29.84	27.48	-154.32	1,039.89	-45.78	1,854.57	1,800.09	54.49	34.036		
6,250.00	6,169.57	5,956.45	5,883.21	29.90	27.53	-159.03	1,041.70	-45.91	1,858.02	1,803.43	54.59	34.037		
6,300.00	6,219.12	6,004.36	5,930.47	30.13	27.75	170.86	1,049.59	-46.45	1,872.13	1,817.11	55.02	34.026		
6,350.00	6,268.78	6,052.41	5,977.86	30.33	27.98	132.25	1,057.50	-47.00	1,884.74	1,829.30	55.44	33.995		
6,400.00	6,318.25	6,100.30	6,025.09	30.52	28.20	106.81	1,065.38	-47.55	1,895.81	1,839.95	55.85	33.943		
6,450.00	6,367.22	7,407.04	6,831.38	30.69	36.43	122.04	1,201.83	714.07	1,901.74	1,838.22	63.52	29.938		
6,500.00	6,415.39	7,404.47	6,831.26	30.86	36.39	115.18	1,201.79	702.56	1,896.22	1,832.11	64.12	29.575		
6,550.00	6,462.47	7,380.24	6,831.11	31.02	36.06	110.81	1,201.72	687.27	1,892.12	1,827.74	64.38	29.391		
6,600.00	6,508.16	7,361.27	6,830.91	31.18	35.80	107.67	1,201.64	668.30	1,889.38	1,824.71	64.67	29.216		
6,650.00	6,552.18	7,338.73	6,830.68	31.34	35.50	105.18	1,201.55	645.76	1,887.92	1,823.05	64.87	29.102		
6,688.50	6,584.77	7,319.03	6,830.48	31.47	35.23	103.51	1,201.47	626.06	1,887.59	1,822.62	64.97	29.053		
6,700.00	6,594.26	7,312.76	6,830.41	31.51	35.15	103.05	1,201.44	619.79	1,887.62	1,822.63	64.99	29.045		
6,750.00	6,634.14	7,283.51	6,830.11	31.68	34.78	101.14	1,201.32	590.55	1,888.35	1,823.30	65.05	29.028		
6,800.00	6,671.58	7,191.60	6,824.02	31.86	33.71	97.94	1,200.09	498.92	1,889.61	1,825.20	64.41	29.338		
6,850.00	6,706.34	7,099.39	6,805.00	32.06	32.77	94.85	1,196.70	408.84	1,890.50	1,826.63	63.87	29.599		
6,900.00	6,738.21	7,028.69	6,781.83	32.27	32.15	92.39	1,192.67	342.21	1,891.30	1,827.67	63.63	29.722		
6,950.00	6,766.99	6,970.83	6,757.53	32.52	31.71	90.35	1,188.49	289.88	1,892.18	1,828.64	63.54	29.777		
7,000.00	6,792.51	6,921.13	6,733.00	32.80	31.37	88.60	1,184.29	246.88	1,893.17	1,829.62	63.55	29.789		
7,050.00	6,814.61	6,876.92	6,708.45	33.12	31.12	87.07	1,180.10	210.36	1,894.27	1,830.64	63.63	29.769		
7,100.00	6,833.15	6,836.57	6,683.92	33.48	31.04	85.69	1,175.93	178.61	1,895.44	1,831.67	63.77	29.722		
7,150.00	6,848.02	6,799.05	6,659.36	33.89	30.95	84.45	1,171.76	150.56	1,896.64	1,832.67	63.96	29.651		
7,200.00	6,859.13	6,763.65	6,634.73	34.35	30.86	83.33	1,167.59	125.47	1,897.80	1,833.59	64.21	29.555		
7,250.00	6,866.40	6,729.89	6,610.00	34.86	30.77	82.32	1,163.41	102.89	1,898.88	1,834.38	64.51	29.437		
7,300.00	6,869.79	6,697.43	6,585.14	35.40	30.68	81.41	1,159.21	82.45	1,899.82	1,834.97	64.84	29.300		
7,327.68	6,870.00	6,679.93	6,571.32	35.71	30.63	80.94	1,156.87	71.97	1,900.25	1,835.20	65.05	29.214		
7,400.00	6,868.97	6,638.56	6,537.55	36.61	30.49	79.92	1,151.18	48.76	1,902.19	1,836.53	65.66	28.969		
7,500.00	6,867.54	6,592.27	6,498.11	38.01	30.34	78.73	1,144.54	25.50	1,908.12	1,841.41	66.71	28.601		
7,600.00	6,866.12	6,555.53	6,465.68	39.58	30.20	77.75	1,139.08	9.14	1,918.20	1,850.26	67.94	28.233		
7,700.00	6,864.69	6,525.85	6,438.83	41.29	30.09	76.94	1,134.57	-2.68	1,932.66	1,863.36	69.29	27.890		
7,800.00	6,863.27	6,500.00	6,415.02	43.12	29.99	76.23	1,130.58	-11.93	1,951.59	1,880.88	70.71	27.600		
7,900.00	6,861.85	6,481.14	6,397.43	45.06	29.91	75.70	1,127.62	-18.05	1,975.00	1,902.81	72.20	27.356		
8,000.00	6,860.42	6,463.96	6,381.25	47.10	29.85	75.21	1,124.91	-23.17	2,002.83	1,929.16	73.67	27.186		
8,100.00	6,859.00	6,450.00	6,368.01	49.21	29.79	74.81	1,122.69	-27.00	2,034.96	1,959.83	75.13	27.085		
8,200.00	6,857.57	6,436.58	6,355.22	51.40	29.73	74.43	1,120.55	-30.40	2,071.24	1,994.71	76.54	27.063		
8,300.00	6,856.15	6,425.52	6,344.61	53.65	29.69	74.11	1,118.77	-33.00	2,111.49	2,033.60	77.89	27.110		
8,400.00	6,854.72	6,415.80	6,335.25	55.96	29.64	73.83	1,117.20	-35.13	2,155.51	2,076.34	79.17	27.227		
8,500.00	6,853.30	6,400.00	6,319.99	58.31	29.58	73.37	1,114.64	-38.28	2,203.13	2,122.84	80.29	27.439		
8,600.00	6,851.88	6,400.00	6,319.99	60.70	29.58	73.37	1,114.64	-38.28	2,254.04	2,172.54	81.50	27.657		
8,700.00	6,850.45	6,400.00	6,319.99	63.14	29.58	73.37	1,114.64	-38.28	2,308.17	2,225.55	82.62	27.939		
8,800.00	6,849.03	6,400.00	6,319.99	65.60	29.58	73.37	1,114.64	-38.28	2,365.28	2,281.64	83.64	28.279		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,380.79	6,301.32	68.10	29.49	72.81	1,111.52	-41.60	2,424.93	2,340.54	84.38	28.737		
9,000.00	6,846.18	6,375.67	6,296.33	70.62	29.47	72.66	1,110.69	-42.38	2,487.24	2,402.05	85.19	29.195		
9,100.00	6,844.75	6,370.99	6,291.77	73.17	29.45	72.53	1,109.92	-43.07	2,551.92	2,465.99	85.93	29.697		
9,200.00	6,843.33	6,350.00	6,271.23	75.73	29.36	71.91	1,106.49	-45.71	2,619.00	2,532.56	86.44	30.300		
9,300.00	6,841.91	6,350.00	6,271.23	78.32	29.36	71.91	1,106.49	-45.71	2,687.82	2,600.73	87.09	30.862		
9,400.00	6,840.48	6,350.00	6,271.23	80.92	29.36	71.91	1,106.49	-45.71	2,758.56	2,670.87	87.69	31.459		
9,500.00	6,839.06	6,350.00	6,271.23	83.54	29.36	71.91	1,106.49	-45.71	2,831.06	2,742.83	88.23	32.088		
9,600.00	6,837.63	6,350.00	6,271.23	86.18	29.36	71.91	1,106.49	-45.71	2,905.19	2,816.47	88.72	32.746		
9,700.00	6,836.21	6,350.00	6,271.23	88.82	29.36	71.91	1,106.49	-45.71	2,980.84	2,891.67	89.16	33.431		
9,800.00	6,834.78	6,350.00	6,271.23	91.48	29.36	71.91	1,106.49	-45.71	3,057.88	2,968.32	89.57	34.141		
9,900.00	6,833.36	6,350.00	6,271.23	94.15	29.36	71.91	1,106.49	-45.71	3,136.22	3,046.29	89.93	34.874		
10,000.00	6,831.94	6,350.00	6,271.23	96.83	29.36	71.91	1,106.49	-45.71	3,215.77	3,125.50	90.26	35.627		
10,100.00	6,830.51	6,350.00	6,271.23	99.52	29.36	71.91	1,106.49	-45.71	3,296.42	3,205.86	90.56	36.399		
10,200.00	6,829.09	6,350.00	6,271.23	102.22	29.36	71.91	1,106.49	-45.71	3,378.11	3,287.28	90.83	37.190		
10,300.00	6,827.66	6,350.00	6,271.23	104.92	29.36	71.91	1,106.49	-45.71	3,460.77	3,369.68	91.08	37.996		
10,400.00	6,826.24	6,350.00	6,271.23	107.63	29.36	71.91	1,106.49	-45.71	3,544.31	3,453.00	91.31	38.817		
10,500.00	6,824.81	6,350.00	6,271.23	110.35	29.36	71.91	1,106.49	-45.71	3,628.69	3,537.18	91.51	39.652		
10,600.00	6,823.39	6,350.00	6,271.23	113.08	29.36	71.91	1,106.49	-45.71	3,713.85	3,622.15	91.70	40.500		
10,700.00	6,821.96	6,328.64	6,250.25	115.81	29.26	71.29	1,102.98	-47.70	3,799.36	3,707.67	91.69	41.437		
10,800.00	6,820.54	6,327.11	6,248.76	118.54	29.25	71.25	1,102.73	-47.81	3,885.86	3,794.02	91.83	42.314		
10,900.00	6,819.12	6,325.66	6,247.33	121.29	29.25	71.20	1,102.49	-47.92	3,972.99	3,881.02	91.97	43.200		
11,000.00	6,817.69	6,324.28	6,245.97	124.03	29.24	71.16	1,102.26	-48.01	4,060.70	3,968.62	92.09	44.096		
11,100.00	6,816.27	6,322.97	6,244.68	126.78	29.23	71.13	1,102.05	-48.10	4,148.98	4,056.78	92.20	45.001		
11,200.00	6,814.84	6,321.71	6,243.44	129.54	29.23	71.09	1,101.84	-48.19	4,237.77	4,145.47	92.30	45.914		
11,300.00	6,813.42	6,300.00	6,222.05	132.29	29.13	70.46	1,098.27	-49.24	4,327.39	4,235.17	92.22	46.926		
11,400.00	6,811.99	6,300.00	6,222.05	135.05	29.13	70.46	1,098.27	-49.24	4,417.08	4,324.77	92.31	47.849		
11,500.00	6,810.57	6,300.00	6,222.05	137.82	29.13	70.46	1,098.27	-49.24	4,507.21	4,414.81	92.40	48.778		
11,534.42	6,810.08	6,300.00	6,222.05	138.77	29.13	70.46	1,098.27	-49.24	4,538.34	4,445.90	92.43	49.100		
11,600.00	6,809.15	6,300.00	6,222.05	140.59	29.13	71.37	1,098.27	-49.24	4,597.45	4,504.97	92.49	49.710		
11,645.35	6,808.50	6,300.00	6,222.05	141.85	29.13	71.96	1,098.27	-49.24	4,638.08	4,545.55	92.52	50.129		
11,700.00	6,807.72	6,300.00	6,222.05	143.37	29.13	71.96	1,098.27	-49.24	4,686.96	4,594.39	92.57	50.633		
11,800.00	6,806.30	6,300.00	6,222.05	146.16	29.13	71.96	1,098.27	-49.24	4,776.74	4,684.09	92.65	51.560		
11,900.00	6,804.88	6,300.00	6,222.05	148.94	29.13	71.96	1,098.27	-49.24	4,866.92	4,774.20	92.72	52.492		
12,000.00	6,803.45	6,300.00	6,222.05	151.74	29.13	71.96	1,098.27	-49.24	4,957.47	4,864.68	92.78	53.430		
12,100.00	6,802.03	6,300.00	6,222.05	154.53	29.13	71.96	1,098.27	-49.24	5,048.38	4,955.53	92.85	54.373		
12,200.00	6,800.61	6,300.00	6,222.05	157.32	29.13	71.96	1,098.27	-49.24	5,139.63	5,046.72	92.91	55.320		
12,300.00	6,799.18	6,300.00	6,222.05	160.12	29.13	71.96	1,098.27	-49.24	5,231.19	5,138.23	92.96	56.273		
12,400.00	6,797.76	6,300.00	6,222.05	162.92	29.13	71.96	1,098.27	-49.24	5,323.07	5,230.05	93.01	57.229		
12,500.00	6,796.34	6,300.00	6,222.05	165.72	29.13	71.96	1,098.27	-49.24	5,415.23	5,322.16	93.06	58.189		
12,600.00	6,794.92	6,300.00	6,222.05	168.53	29.13	71.96	1,098.27	-49.24	5,507.66	5,414.55	93.11	59.154		
12,700.00	6,793.49	6,300.00	6,222.05	171.33	29.13	71.96	1,098.27	-49.24	5,600.35	5,507.20	93.15	60.121		
12,800.00	6,792.07	6,300.00	6,222.05	174.14	29.13	71.96	1,098.27	-49.24	5,693.29	5,600.10	93.19	61.092		
12,900.00	6,790.65	6,300.00	6,222.05	176.95	29.13	71.96	1,098.27	-49.24	5,786.47	5,693.23	93.23	62.065		
13,000.00	6,789.22	6,300.00	6,222.05	179.76	29.13	71.96	1,098.27	-49.24	5,879.87	5,786.60	93.27	63.041		
13,100.00	6,787.80	6,300.00	6,222.05	182.57	29.13	71.96	1,098.27	-49.24	5,973.48	5,880.17	93.31	64.020		
13,200.00	6,786.38	6,300.00	6,222.05	185.38	29.13	71.96	1,098.27	-49.24	6,067.30	5,973.96	93.34	65.001		
13,300.00	6,784.95	6,300.00	6,222.05	188.20	29.13	71.96	1,098.27	-49.24	6,161.31	6,067.94	93.37	65.985		
13,400.00	6,783.53	6,300.00	6,222.05	191.01	29.13	71.96	1,098.27	-49.24	6,255.51	6,162.10	93.41	66.970		
13,500.00	6,782.11	6,300.00	6,222.05	193.83	29.13	71.96	1,098.27	-49.24	6,349.88	6,256.44	93.44	67.957		
13,600.00	6,780.68	6,300.00	6,222.05	196.65	29.13	71.96	1,098.27	-49.24	6,444.43	6,350.96	93.47	68.946		
13,700.00	6,779.26	6,300.00	6,222.05	199.47	29.13	71.96	1,098.27	-49.24	6,539.13	6,445.63	93.50	69.937		
13,800.00	6,777.84	6,300.00	6,222.05	202.29	29.13	71.96	1,098.27	-49.24	6,634.00	6,540.47	93.53	70.929		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	6,300.00	6,222.05	205.11	29.13	71.96	1,098.27	-49.24	6,729.01	6,635.45	93.56	71.922		
14,000.00	6,774.99	6,300.00	6,222.05	207.93	29.13	71.96	1,098.27	-49.24	6,824.16	6,730.57	93.59	72.917		
14,100.00	6,773.57	6,300.00	6,222.05	210.76	29.13	71.96	1,098.27	-49.24	6,919.45	6,825.83	93.62	73.912		
14,200.00	6,772.15	6,300.00	6,222.05	213.58	29.13	71.96	1,098.27	-49.24	7,014.87	6,921.23	93.65	74.909		
14,300.00	6,770.72	6,300.00	6,222.05	216.40	29.13	71.96	1,098.27	-49.24	7,110.42	7,016.75	93.67	75.906		
14,400.00	6,769.30	6,300.00	6,222.05	219.23	29.13	71.96	1,098.27	-49.24	7,206.09	7,112.39	93.70	76.904		
14,500.00	6,767.88	6,300.00	6,222.05	222.06	29.13	71.96	1,098.27	-49.24	7,301.87	7,208.14	93.73	77.903		
14,600.00	6,766.45	6,300.00	6,222.05	224.89	29.13	71.96	1,098.27	-49.24	7,397.77	7,304.01	93.76	78.903		
14,700.00	6,765.03	6,300.00	6,222.05	227.71	29.13	71.96	1,098.27	-49.24	7,493.77	7,399.99	93.79	79.903		
14,800.00	6,763.61	6,300.00	6,222.05	230.54	29.13	71.96	1,098.27	-49.24	7,589.88	7,496.06	93.81	80.903		
14,900.00	6,762.19	6,300.00	6,222.05	233.37	29.13	71.96	1,098.27	-49.24	7,686.08	7,592.24	93.84	81.903		
15,000.00	6,760.76	6,300.00	6,222.05	236.20	29.13	71.96	1,098.27	-49.24	7,782.39	7,688.51	93.87	82.904		
15,100.00	6,759.34	6,300.00	6,222.05	239.03	29.13	71.96	1,098.27	-49.24	7,878.78	7,784.88	93.90	83.905		
15,200.00	6,757.92	6,300.00	6,222.05	241.86	29.13	71.96	1,098.27	-49.24	7,975.26	7,881.33	93.93	84.907		
15,300.00	6,756.49	6,300.00	6,222.05	244.70	29.13	71.96	1,098.27	-49.24	8,071.83	7,977.87	93.96	85.908		
15,334.64	6,756.00	6,300.00	6,222.05	245.68	29.13	71.96	1,098.27	-49.24	8,105.30	8,011.33	93.97	86.255		
15,335.52	6,755.99	6,300.00	6,222.05	245.70	29.13	71.96	1,098.27	-49.24	8,106.15	8,012.18	93.97	86.263		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5.61	164.30	16.15	165.09					
100.00	100.00	100.00	100.00	3.28	3.28	5.61	164.30	16.15	165.09	158.52	6.57	25.130		
200.00	200.00	200.00	200.00	3.34	3.34	5.61	164.30	16.15	165.09	158.42	6.67	24.736 CC, ES		
300.00	300.00	294.57	294.56	3.44	3.44	5.53	165.86	16.07	166.72	159.83	6.89	24.188		
400.00	399.98	388.85	388.71	3.60	3.59	-125.15	170.51	15.83	172.62	165.40	7.22	23.915 SF		
500.00	499.84	482.31	481.85	3.79	3.78	-126.55	178.18	15.44	183.84	176.20	7.63	24.084		
600.00	599.45	574.44	573.37	4.03	4.00	-128.49	188.70	14.91	200.54	192.41	8.12	24.684		
700.00	698.70	664.75	662.71	4.30	4.25	-130.67	201.87	14.24	222.86	214.19	8.67	25.705		
785.00	782.69	744.88	741.73	4.56	4.49	-132.68	215.17	13.57	245.64	236.49	9.16	26.829		
800.00	797.47	759.17	755.82	4.60	4.53	-133.10	217.55	13.45	249.86	240.61	9.25	27.023		
900.00	896.04	854.45	849.76	4.94	4.83	-135.55	233.42	12.64	278.21	268.38	9.84	28.283		
1,000.00	994.61	949.72	943.70	5.30	5.16	-137.56	249.29	11.84	306.96	296.48	10.48	29.298		
1,100.00	1,093.18	1,044.99	1,037.64	5.69	5.50	-139.22	265.16	11.04	335.99	324.84	11.15	30.136		
1,200.00	1,191.75	1,140.27	1,131.58	6.08	5.86	-140.62	281.03	10.23	365.24	353.39	11.85	30.827		
1,300.00	1,290.32	1,235.54	1,225.52	6.49	6.24	-141.81	296.89	9.43	394.66	382.09	12.57	31.395		
1,400.00	1,388.89	1,330.82	1,319.46	6.91	6.62	-142.83	312.76	8.62	424.22	410.91	13.31	31.866		
1,500.00	1,487.46	1,426.09	1,413.40	7.34	7.01	-143.73	328.63	7.82	453.89	439.82	14.07	32.257		
1,600.00	1,586.03	1,521.36	1,507.34	7.77	7.40	-144.51	344.50	7.02	483.64	468.80	14.84	32.583		
1,700.00	1,684.61	1,616.64	1,601.28	8.22	7.81	-145.20	360.37	6.21	513.47	497.84	15.63	32.857		
1,800.00	1,783.18	1,711.91	1,695.22	8.66	8.21	-145.82	376.24	5.41	543.36	526.94	16.42	33.088		
1,900.00	1,881.75	1,807.18	1,789.16	9.11	8.62	-146.37	392.10	4.61	573.30	556.07	17.22	33.284		
2,000.00	1,980.32	1,902.46	1,883.10	9.57	9.04	-146.87	407.97	3.80	603.28	585.25	18.04	33.450		
2,100.00	2,078.89	2,002.27	1,977.03	10.02	9.47	-147.32	423.84	3.00	633.31	614.43	18.87	33.558		
2,200.00	2,177.46	2,107.00	2,070.97	10.49	9.93	-147.73	439.71	2.19	663.36	643.62	19.74	33.612		
2,300.00	2,276.03	2,188.28	2,164.91	10.95	10.29	-148.11	455.58	1.39	693.44	672.94	20.50	33.820		
2,400.00	2,374.60	2,283.55	2,258.85	11.41	10.72	-148.45	471.45	0.59	723.55	702.22	21.34	33.912		
2,500.00	2,473.17	2,378.83	2,352.79	11.88	11.14	-148.77	487.31	-0.22	753.68	731.51	22.17	33.991		
2,600.00	2,571.74	2,474.10	2,446.73	12.35	11.57	-149.06	503.18	-1.02	783.83	760.82	23.01	34.060		
2,700.00	2,670.31	2,569.37	2,540.67	12.82	12.00	-149.33	519.05	-1.83	814.00	790.14	23.86	34.120		
2,800.00	2,768.88	2,664.65	2,634.61	13.29	12.43	-149.58	534.92	-2.63	844.18	819.47	24.70	34.173		
2,900.00	2,867.45	2,759.92	2,728.55	13.76	12.86	-149.82	550.79	-3.43	874.37	848.82	25.55	34.219		
3,000.00	2,966.02	2,855.19	2,822.49	14.24	13.29	-150.03	566.66	-4.24	904.58	878.18	26.40	34.260		
3,100.00	3,064.59	2,950.47	2,916.43	14.71	13.73	-150.24	582.52	-5.04	934.80	907.54	27.26	34.296		
3,200.00	3,163.16	3,045.74	3,010.37	15.19	14.16	-150.43	598.39	-5.84	965.03	936.92	28.11	34.328		
3,300.00	3,261.73	3,141.01	3,104.31	15.66	14.60	-150.61	614.26	-6.65	995.27	966.30	28.97	34.356		
3,400.00	3,360.30	3,236.29	3,198.25	16.14	15.03	-150.78	630.13	-7.45	1,025.51	995.69	29.83	34.381		
3,500.00	3,458.87	3,331.56	3,292.19	16.62	15.47	-150.94	646.00	-8.26	1,055.77	1,025.08	30.69	34.403		
3,600.00	3,557.44	3,426.84	3,386.13	17.10	15.90	-151.09	661.87	-9.06	1,086.03	1,054.48	31.55	34.423		
3,700.00	3,656.01	3,522.11	3,480.07	17.58	16.34	-151.23	677.73	-9.86	1,116.30	1,083.88	32.41	34.441		
3,800.00	3,754.58	3,617.38	3,574.00	18.06	16.78	-151.36	693.60	-10.67	1,146.57	1,113.29	33.28	34.456		
3,900.00	3,853.15	3,712.66	3,667.94	18.54	17.22	-151.49	709.47	-11.47	1,176.85	1,142.71	34.14	34.470		
4,000.00	3,951.72	3,807.93	3,761.88	19.02	17.66	-151.61	725.34	-12.28	1,207.13	1,172.13	35.01	34.483		
4,100.00	4,050.29	3,903.20	3,855.82	19.50	18.10	-151.73	741.21	-13.08	1,237.42	1,201.55	35.87	34.494		
4,200.00	4,148.86	4,001.52	3,949.76	19.98	18.55	-151.84	757.08	-13.88	1,267.71	1,230.96	36.76	34.490		
4,300.00	4,247.43	4,093.75	4,043.70	20.46	18.98	-151.95	772.94	-14.69	1,298.01	1,260.40	37.61	34.512		
4,400.00	4,346.00	4,189.02	4,137.64	20.94	19.42	-152.05	788.81	-15.49	1,328.31	1,289.83	38.48	34.520		
4,500.00	4,444.58	4,284.30	4,231.58	21.43	19.86	-152.14	804.68	-16.30	1,358.62	1,319.27	39.35	34.527		
4,600.00	4,543.15	4,379.57	4,325.52	21.91	20.30	-152.23	820.55	-17.10	1,388.92	1,348.70	40.22	34.533		
4,700.00	4,641.72	4,474.85	4,419.46	22.39	20.74	-152.32	836.42	-17.90	1,419.23	1,378.14	41.09	34.538		
4,800.00	4,740.29	4,570.12	4,513.40	22.87	21.18	-152.40	852.29	-18.71	1,449.55	1,407.58	41.96	34.543		
4,900.00	4,838.86	4,665.39	4,607.34	23.36	21.62	-152.48	868.15	-19.51	1,479.87	1,437.03	42.84	34.547		
5,000.00	4,937.43	4,760.67	4,701.28	23.84	22.06	-152.56	884.02	-20.31	1,510.18	1,466.47	43.71	34.551		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	4,855.94	4,795.22	24.32	22.51	-152.64	899.89	-21.12	1,540.51	1,495.92	44.58	34.554		
5,200.00	5,134.57	4,951.21	4,889.16	24.81	22.95	-152.71	915.76	-21.92	1,570.83	1,525.37	45.46	34.556		
5,300.00	5,233.14	5,046.49	4,983.10	25.29	23.39	-152.78	931.63	-22.73	1,601.15	1,554.82	46.33	34.559		
5,400.00	5,331.71	5,141.76	5,077.04	25.78	23.83	-152.84	947.50	-23.53	1,631.48	1,584.28	47.21	34.561		
5,500.00	5,430.28	5,237.03	5,170.98	26.26	24.28	-152.91	963.36	-24.33	1,661.81	1,613.73	48.08	34.562		
5,600.00	5,528.85	5,332.31	5,264.91	26.75	24.72	-152.97	979.23	-25.14	1,692.14	1,643.19	48.96	34.563		
5,700.00	5,627.42	5,427.58	5,358.85	27.23	25.16	-153.03	995.10	-25.94	1,722.48	1,672.64	49.83	34.564		
5,800.00	5,725.99	5,522.86	5,452.79	27.72	25.61	-153.08	1,010.97	-26.75	1,752.81	1,702.10	50.71	34.565		
5,900.00	5,824.56	5,618.13	5,546.73	28.20	26.05	-153.14	1,026.84	-27.55	1,783.15	1,731.56	51.59	34.566		
6,000.00	5,923.13	5,713.40	5,640.67	28.69	26.49	-153.19	1,042.71	-28.35	1,813.49	1,761.02	52.46	34.566		
6,100.00	6,021.70	5,808.68	5,734.61	29.17	26.94	-153.24	1,058.57	-29.16	1,843.83	1,790.48	53.34	34.566		
6,200.00	6,120.27	5,903.95	5,828.55	29.66	27.38	-153.29	1,074.44	-29.96	1,874.17	1,819.95	54.22	34.566		
6,238.51	6,158.23	5,940.64	5,864.73	29.84	27.55	-153.31	1,080.55	-30.27	1,885.85	1,831.29	54.56	34.566		
6,250.00	6,169.57	5,951.60	5,875.53	29.90	27.60	-158.03	1,082.38	-30.36	1,889.30	1,834.64	54.66	34.566		
6,300.00	6,219.12	6,000.50	5,922.76	30.13	27.83	171.84	1,090.36	-30.77	1,903.47	1,848.37	55.10	34.549		
6,350.00	6,268.78	6,047.52	5,970.11	30.33	28.05	133.21	1,098.36	-31.17	1,916.19	1,860.68	55.51	34.519		
6,400.00	6,318.25	6,095.37	6,017.29	30.52	28.27	107.74	1,106.32	-31.58	1,927.44	1,871.52	55.92	34.466		
6,450.00	6,367.22	6,142.75	6,064.01	30.69	28.49	94.59	1,114.22	-31.98	1,937.18	1,880.86	56.33	34.393		
6,500.00	6,415.39	6,189.37	6,109.98	30.86	28.71	87.34	1,121.98	-32.37	1,945.43	1,888.71	56.72	34.298		
6,550.00	6,462.47	6,234.94	6,154.91	31.02	28.92	83.01	1,129.57	-32.75	1,952.21	1,895.10	57.11	34.184		
6,600.00	6,508.16	6,279.19	6,198.53	31.18	29.13	80.30	1,136.94	-33.13	1,957.59	1,900.10	57.49	34.049		
6,650.00	6,552.18	6,321.83	6,240.58	31.34	29.33	78.60	1,144.04	-33.49	1,961.64	1,903.77	57.87	33.896		
6,700.00	6,594.26	6,362.60	6,280.78	31.51	29.52	77.58	1,150.83	-33.83	1,964.46	1,906.20	58.25	33.723		
6,750.00	6,634.14	6,401.26	6,318.90	31.68	29.70	77.03	1,157.27	-34.16	1,966.15	1,907.52	58.64	33.532		
6,800.00	6,671.58	6,434.40	6,333.69	31.86	31.09	84.36	1,211.42	46.15	1,964.38	1,903.28	61.10	32.148		
6,850.00	6,706.34	6,461.49	6,368.62	32.06	31.32	85.89	1,221.29	81.80	1,960.95	1,899.25	61.70	31.784		
6,900.00	6,738.21	6,490.00	6,395.76	32.27	31.64	85.13	1,218.84	72.68	1,957.74	1,895.33	62.41	31.368		
6,950.00	6,766.99	6,517.93	6,424.78	32.52	31.94	85.61	1,222.21	85.54	1,955.06	1,892.70	62.36	31.353		
7,000.00	6,792.51	6,543.26	6,450.58	32.80	32.30	85.09	1,220.40	78.24	1,952.76	1,890.12	62.64	31.174		
7,050.00	6,814.61	6,567.78	6,471.10	33.12	32.64	84.49	1,218.01	69.07	1,950.85	1,887.92	62.93	31.000		
7,100.00	6,833.15	6,583.04	6,487.54	33.48	32.94	83.87	1,215.26	59.09	1,949.29	1,886.05	63.24	30.825		
7,150.00	6,848.02	6,598.01	6,498.50	33.89	33.24	83.24	1,212.26	48.90	1,948.01	1,884.44	63.57	30.642		
7,200.00	6,859.13	6,609.02	6,509.57	34.35	33.54	82.62	1,209.08	38.84	1,946.96	1,883.02	63.94	30.450		
7,250.00	6,866.40	6,616.41	6,516.84	34.86	33.84	82.02	1,205.75	29.11	1,946.07	1,881.73	64.34	30.246		
7,300.00	6,869.79	6,620.35	6,520.72	35.40	34.14	81.45	1,202.31	19.87	1,945.30	1,880.52	64.77	30.032		
7,327.68	6,870.00	6,623.00	6,523.00	35.71	34.45	81.15	1,200.36	14.99	1,944.89	1,879.86	65.03	29.910		
7,361.68	6,869.51	6,618.56	6,518.26	36.13	34.77	80.76	1,198.07	9.58	1,944.64	1,879.27	65.37	29.748		
7,400.00	6,868.97	6,613.98	6,513.83	36.61	35.07	80.36	1,195.74	4.42	1,944.96	1,879.20	65.77	29.573		
7,500.00	6,867.54	6,602.66	6,502.51	38.01	36.39	79.49	1,190.68	-5.59	1,948.93	1,881.95	66.98	29.097		
7,600.00	6,866.12	6,591.51	6,491.73	39.58	37.89	78.81	1,186.74	-12.32	1,957.56	1,889.20	68.36	28.637		
7,700.00	6,864.69	6,580.37	6,480.44	41.29	39.41	78.27	1,183.59	-17.02	1,970.92	1,901.08	69.84	28.220		
7,800.00	6,863.27	6,569.00	6,469.14	43.12	40.97	78.00	1,182.05	-19.11	1,989.03	1,917.57	71.46	27.836		
7,900.00	6,861.85	6,557.53	6,457.67	45.06	42.57	77.46	1,178.91	-22.94	2,011.76	1,938.79	72.96	27.572		
8,000.00	6,860.42	6,546.06	6,446.24	47.10	44.20	77.15	1,177.12	-24.87	2,039.04	1,964.51	74.53	27.358		
8,100.00	6,859.00	6,534.51	6,434.79	49.21	45.86	76.88	1,175.60	-26.37	2,070.71	1,994.64	76.06	27.223		
8,200.00	6,857.57	6,523.00	6,423.26	51.40	47.54	76.56	1,173.75	-28.01	2,106.58	2,029.07	77.51	27.177		
8,300.00	6,856.15	6,511.51	6,411.74	53.65	49.22	76.56	1,173.75	-28.01	2,146.46	2,067.46	79.00	27.171		
8,400.00	6,854.72	6,500.00	6,400.21	55.96	50.94	76.56	1,173.75	-28.01	2,190.18	2,109.78	80.40	27.241		
8,500.00	6,853.30	6,488.53	6,388.74	58.31	52.69	76.13	1,171.25	-29.92	2,237.38	2,155.83	81.56	27.434		
8,600.00	6,851.88	6,477.11	6,377.32	60.70	54.46	75.99	1,170.46	-30.45	2,288.01	2,205.28	82.73	27.657		
8,700.00	6,850.45	6,465.68	6,365.89	63.14	56.26	75.87	1,169.75	-30.90	2,341.79	2,257.97	83.81	27.940		
8,800.00	6,849.03	6,454.25	6,354.46	65.60	58.09	75.76	1,169.11	-31.28	2,398.51	2,313.70	84.82	28.279		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,468.75	6,385.36	68.10	30.01	75.66	1,168.54	-31.60	2,457.98	2,372.24	85.74	28.668		
9,000.00	6,846.18	6,450.00	6,366.93	70.62	29.93	75.11	1,165.40	-33.02	2,520.17	2,433.74	86.43	29.159		
9,100.00	6,844.75	6,450.00	6,366.93	73.17	29.93	75.11	1,165.40	-33.02	2,584.50	2,497.27	87.23	29.628		
9,200.00	6,843.33	6,450.00	6,366.93	75.73	29.93	75.11	1,165.40	-33.02	2,651.05	2,563.09	87.96	30.138		
9,300.00	6,841.91	6,450.00	6,366.93	78.32	29.93	75.11	1,165.40	-33.02	2,719.65	2,631.02	88.63	30.685		
9,400.00	6,840.48	6,450.00	6,366.93	80.92	29.93	75.11	1,165.40	-33.02	2,790.14	2,700.90	89.24	31.267		
9,500.00	6,839.06	6,450.00	6,366.93	83.54	29.93	75.11	1,165.40	-33.02	2,862.39	2,772.61	89.79	31.880		
9,600.00	6,837.63	6,450.00	6,366.93	86.18	29.93	75.11	1,165.40	-33.02	2,936.27	2,845.99	90.29	32.521		
9,700.00	6,836.21	6,450.00	6,366.93	88.82	29.93	75.11	1,165.40	-33.02	3,011.66	2,920.92	90.74	33.189		
9,800.00	6,834.78	6,450.00	6,366.93	91.48	29.93	75.11	1,165.40	-33.02	3,088.45	2,997.29	91.16	33.881		
9,900.00	6,833.36	6,450.00	6,366.93	94.15	29.93	75.11	1,165.40	-33.02	3,166.53	3,075.00	91.53	34.595		
10,000.00	6,831.94	6,450.00	6,366.93	96.83	29.93	75.11	1,165.40	-33.02	3,245.82	3,153.95	91.87	35.329		
10,100.00	6,830.51	6,450.00	6,366.93	99.52	29.93	75.11	1,165.40	-33.02	3,326.22	3,234.04	92.18	36.083		
10,200.00	6,829.09	6,450.00	6,366.93	102.22	29.93	75.11	1,165.40	-33.02	3,407.66	3,315.20	92.47	36.853		
10,300.00	6,827.66	6,450.00	6,366.93	104.92	29.93	75.11	1,165.40	-33.02	3,490.07	3,397.35	92.72	37.640		
10,400.00	6,826.24	6,450.00	6,366.93	107.63	29.93	75.11	1,165.40	-33.02	3,573.37	3,480.42	92.96	38.442		
10,500.00	6,824.81	6,450.00	6,366.93	110.35	29.93	75.11	1,165.40	-33.02	3,657.51	3,564.34	93.17	39.257		
10,600.00	6,823.39	6,450.00	6,366.93	113.08	29.93	75.11	1,165.40	-33.02	3,742.43	3,649.07	93.36	40.084		
10,700.00	6,821.96	6,450.00	6,366.93	115.81	29.93	75.11	1,165.40	-33.02	3,828.08	3,734.54	93.54	40.924		
10,800.00	6,820.54	6,450.00	6,366.93	118.54	29.93	75.11	1,165.40	-33.02	3,914.41	3,820.71	93.70	41.774		
10,900.00	6,819.12	6,450.00	6,366.93	121.29	29.93	75.11	1,165.40	-33.02	4,001.38	3,907.53	93.85	42.635		
11,000.00	6,817.69	6,450.00	6,366.93	124.03	29.93	75.11	1,165.40	-33.02	4,088.94	3,994.95	93.99	43.504		
11,100.00	6,816.27	6,450.00	6,366.93	126.78	29.93	75.11	1,165.40	-33.02	4,177.07	4,082.95	94.12	44.383		
11,200.00	6,814.84	6,450.00	6,366.93	129.54	29.93	75.11	1,165.40	-33.02	4,265.71	4,171.48	94.23	45.269		
11,300.00	6,813.42	6,431.59	6,348.80	132.29	29.84	74.57	1,162.33	-33.89	4,354.57	4,260.39	94.19	46.234		
11,400.00	6,811.99	6,430.88	6,348.10	135.05	29.84	74.55	1,162.21	-33.91	4,444.15	4,349.87	94.28	47.139		
11,500.00	6,810.57	6,430.20	6,347.43	137.82	29.83	74.53	1,162.10	-33.93	4,534.16	4,439.80	94.36	48.050		
11,534.42	6,810.08	6,429.97	6,347.20	138.77	29.83	74.53	1,162.06	-33.94	4,565.24	4,470.85	94.39	48.365		
11,600.00	6,809.15	6,429.56	6,346.80	140.59	29.83	75.24	1,161.99	-33.95	4,624.27	4,529.83	94.44	48.963		
11,645.35	6,808.50	6,429.31	6,346.55	141.85	29.83	75.70	1,161.95	-33.95	4,664.83	4,570.35	94.48	49.373		
11,700.00	6,807.72	6,429.02	6,346.26	143.37	29.83	75.70	1,161.90	-33.96	4,713.63	4,619.10	94.53	49.866		
11,800.00	6,806.30	6,428.50	6,345.75	146.16	29.83	75.68	1,161.81	-33.98	4,803.25	4,708.65	94.60	50.773		
11,900.00	6,804.88	6,428.00	6,345.26	148.94	29.82	75.67	1,161.73	-33.99	4,893.27	4,798.60	94.68	51.685		
12,000.00	6,803.45	6,427.52	6,344.79	151.74	29.82	75.66	1,161.65	-34.00	4,983.68	4,888.94	94.74	52.603		
12,100.00	6,802.03	6,427.06	6,344.33	154.53	29.82	75.64	1,161.57	-34.02	5,074.44	4,979.64	94.80	53.526		
12,200.00	6,800.61	6,426.61	6,343.89	157.32	29.82	75.63	1,161.50	-34.03	5,165.55	5,070.69	94.86	54.453		
12,300.00	6,799.18	6,426.19	6,343.47	160.12	29.82	75.62	1,161.43	-34.04	5,256.98	5,162.06	94.92	55.386		
12,400.00	6,797.76	6,425.77	6,343.06	162.92	29.81	75.61	1,161.36	-34.05	5,348.71	5,253.74	94.97	56.322		
12,500.00	6,796.34	6,425.37	6,342.67	165.72	29.81	75.60	1,161.29	-34.06	5,440.73	5,345.72	95.01	57.262		
12,600.00	6,794.92	6,424.99	6,342.29	168.53	29.81	75.59	1,161.23	-34.06	5,533.04	5,437.98	95.06	58.206		
12,700.00	6,793.49	6,405.66	6,323.24	171.33	29.72	75.06	1,158.01	-34.19	5,625.90	5,530.95	94.95	59.252		
12,800.00	6,792.07	6,405.66	6,323.24	174.14	29.72	75.06	1,158.01	-34.19	5,718.70	5,623.71	94.99	60.202		
12,900.00	6,790.65	6,405.66	6,323.24	176.95	29.72	75.06	1,158.01	-34.19	5,811.74	5,716.71	95.03	61.155		
13,000.00	6,789.22	6,405.66	6,323.24	179.76	29.72	75.06	1,158.01	-34.19	5,905.01	5,809.94	95.07	62.110		
13,100.00	6,787.80	6,405.66	6,323.24	182.57	29.72	75.06	1,158.01	-34.19	5,998.50	5,903.39	95.11	63.068		
13,200.00	6,786.38	6,405.66	6,323.24	185.38	29.72	75.06	1,158.01	-34.19	6,092.20	5,997.05	95.15	64.028		
13,300.00	6,784.95	6,405.66	6,323.24	188.20	29.72	75.06	1,158.01	-34.19	6,186.09	6,090.90	95.18	64.991		
13,400.00	6,783.53	6,405.66	6,323.24	191.01	29.72	75.06	1,158.01	-34.19	6,280.17	6,184.95	95.22	65.955		
13,500.00	6,782.11	6,405.66	6,323.24	193.83	29.72	75.06	1,158.01	-34.19	6,374.43	6,279.17	95.25	66.922		
13,600.00	6,780.68	6,405.66	6,323.24	196.65	29.72	75.06	1,158.01	-34.19	6,468.86	6,373.57	95.28	67.890		
13,700.00	6,779.26	6,405.66	6,323.24	199.47	29.72	75.06	1,158.01	-34.19	6,563.46	6,468.14	95.32	68.860		
13,800.00	6,777.84	6,405.66	6,323.24	202.29	29.72	75.06	1,158.01	-34.19	6,658.21	6,562.87	95.35	69.831		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	6,405.66	6,323.24	205.11	29.72	75.06	1,158.01	-34.19	6,753.12	6,657.74	95.38	70.804		
14,000.00	6,774.99	6,405.66	6,323.24	207.93	29.72	75.06	1,158.01	-34.19	6,848.17	6,752.76	95.41	71.778		
14,100.00	6,773.57	6,405.66	6,323.24	210.76	29.72	75.06	1,158.01	-34.19	6,943.36	6,847.92	95.44	72.753		
14,200.00	6,772.15	6,405.66	6,323.24	213.58	29.72	75.06	1,158.01	-34.19	7,038.68	6,943.22	95.47	73.729		
14,300.00	6,770.72	6,405.66	6,323.24	216.40	29.72	75.06	1,158.01	-34.19	7,134.14	7,038.64	95.50	74.707		
14,400.00	6,769.30	6,405.66	6,323.24	219.23	29.72	75.06	1,158.01	-34.19	7,229.71	7,134.19	95.52	75.684		
14,500.00	6,767.88	6,405.66	6,323.24	222.06	29.72	75.06	1,158.01	-34.19	7,325.40	7,229.85	95.55	76.663		
14,600.00	6,766.45	6,405.66	6,323.24	224.89	29.72	75.06	1,158.01	-34.19	7,421.21	7,325.63	95.58	77.642		
14,700.00	6,765.03	6,405.66	6,323.24	227.71	29.72	75.06	1,158.01	-34.19	7,517.13	7,421.52	95.61	78.622		
14,800.00	6,763.61	6,405.66	6,323.24	230.54	29.72	75.06	1,158.01	-34.19	7,613.15	7,517.51	95.64	79.603		
14,900.00	6,762.19	6,405.66	6,323.24	233.37	29.72	75.06	1,158.01	-34.19	7,709.27	7,613.60	95.67	80.583		
15,000.00	6,760.76	6,405.66	6,323.24	236.20	29.72	75.06	1,158.01	-34.19	7,805.49	7,709.79	95.70	81.564		
15,100.00	6,759.34	6,405.66	6,323.24	239.03	29.72	75.06	1,158.01	-34.19	7,901.80	7,806.08	95.73	82.545		
15,200.00	6,757.92	6,405.66	6,323.24	241.86	29.72	75.06	1,158.01	-34.19	7,998.21	7,902.45	95.76	83.527		
15,300.00	6,756.49	6,405.66	6,323.24	244.70	29.72	75.06	1,158.01	-34.19	8,094.70	7,998.91	95.79	84.508		
15,334.64	6,756.00	6,405.66	6,323.24	245.68	29.72	75.06	1,158.01	-34.19	8,128.14	8,032.35	95.80	84.849		
15,335.52	6,755.99	6,405.66	6,323.24	245.70	29.72	75.06	1,158.01	-34.19	8,128.99	8,033.20	95.80	84.857		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-174.41	-59.75	-5.85	60.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.41	-59.75	-5.85	60.03	53.47	6.57	9.139		
200.00	200.00	200.00	200.00	3.34	3.34	-174.41	-59.75	-5.85	60.03	53.36	6.67	8.995 CC, ES		
300.00	300.00	297.93	297.91	3.44	3.44	-174.19	-61.37	-6.25	61.73	54.83	6.89	8.955		
400.00	399.98	395.66	395.51	3.60	3.58	57.48	-66.24	-7.44	65.85	58.64	7.22	9.127		
500.00	499.84	493.03	492.52	3.79	3.78	61.54	-74.29	-9.42	71.71	64.08	7.63	9.399		
600.00	599.45	589.84	588.64	4.03	4.01	67.05	-85.47	-12.17	79.88	71.75	8.13	9.831		
700.00	698.70	685.93	683.60	4.30	4.27	73.12	-99.67	-15.67	90.96	82.28	8.68	10.474		
785.00	782.69	766.89	763.20	4.56	4.53	78.18	-114.04	-19.20	103.04	93.84	9.20	11.198		
800.00	797.47	781.11	777.13	4.60	4.58	79.07	-116.78	-19.88	105.45	96.15	9.29	11.345		
900.00	896.04	875.39	869.15	4.94	4.91	83.76	-136.70	-24.78	123.80	113.86	9.94	12.451		
1,000.00	994.61	968.68	959.49	5.30	5.27	86.72	-159.29	-30.34	145.70	135.07	10.63	13.708		
1,100.00	1,093.18	1,060.79	1,047.90	5.69	5.66	88.44	-184.38	-36.52	170.71	159.37	11.34	15.058		
1,200.00	1,191.75	1,151.58	1,134.17	6.08	6.07	89.32	-211.80	-43.26	198.56	186.50	12.06	16.464		
1,300.00	1,290.32	1,241.29	1,218.52	6.49	6.50	89.63	-241.49	-50.57	229.11	216.31	12.79	17.908		
1,400.00	1,388.89	1,336.13	1,307.24	6.91	6.97	89.75	-274.04	-58.58	260.80	247.22	13.58	19.199		
1,500.00	1,487.46	1,430.98	1,395.96	7.34	7.47	89.84	-306.60	-66.59	292.50	278.10	14.40	20.312		
1,600.00	1,586.03	1,525.82	1,484.68	7.77	7.97	89.92	-339.15	-74.60	324.19	308.95	15.24	21.277		
1,700.00	1,684.61	1,620.66	1,573.40	8.22	8.49	89.98	-371.71	-82.61	355.89	339.80	16.09	22.117		
1,800.00	1,783.18	1,715.51	1,662.12	8.66	9.02	90.03	-404.26	-90.62	387.58	370.62	16.96	22.852		
1,900.00	1,881.75	1,810.35	1,750.84	9.11	9.55	90.08	-436.81	-98.63	419.28	401.43	17.84	23.498		
2,000.00	1,980.32	1,905.20	1,839.56	9.57	10.09	90.11	-469.37	-106.64	450.97	432.24	18.74	24.069		
2,100.00	2,078.89	2,000.04	1,928.28	10.02	10.63	90.15	-501.92	-114.65	482.67	463.03	19.64	24.577		
2,200.00	2,177.46	2,105.12	2,017.00	10.49	11.24	90.17	-534.47	-122.66	514.37	493.76	20.60	24.965		
2,300.00	2,276.03	2,189.73	2,105.72	10.95	11.73	90.20	-567.03	-130.68	546.06	524.59	21.47	25.435		
2,400.00	2,374.60	2,284.57	2,194.44	11.41	12.28	90.22	-599.58	-138.69	577.76	555.37	22.39	25.800		
2,500.00	2,473.17	2,379.41	2,283.16	11.88	12.84	90.24	-632.14	-146.70	609.46	586.13	23.32	26.130		
2,600.00	2,571.74	2,474.26	2,371.89	12.35	13.40	90.26	-664.69	-154.71	641.15	616.89	24.26	26.429		
2,700.00	2,670.31	2,569.10	2,460.61	12.82	13.96	90.28	-697.24	-162.72	672.85	647.65	25.20	26.702		
2,800.00	2,768.88	2,663.94	2,549.33	13.29	14.52	90.29	-729.80	-170.73	704.55	678.40	26.14	26.951		
2,900.00	2,867.45	2,758.79	2,638.05	13.76	15.09	90.31	-762.35	-178.74	736.24	709.15	27.09	27.179		
3,000.00	2,966.02	2,853.63	2,726.77	14.24	15.66	90.32	-794.90	-186.75	767.94	739.90	28.04	27.388		
3,100.00	3,064.59	2,948.47	2,815.49	14.71	16.22	90.33	-827.46	-194.76	799.64	770.64	28.99	27.582		
3,200.00	3,163.16	3,043.32	2,904.21	15.19	16.79	90.34	-860.01	-202.77	831.33	801.39	29.95	27.760		
3,300.00	3,261.73	3,138.16	2,992.93	15.66	17.36	90.35	-892.57	-210.78	863.03	832.12	30.90	27.926		
3,400.00	3,360.30	3,233.00	3,081.65	16.14	17.93	90.36	-925.12	-218.79	894.73	862.86	31.86	28.079		
3,500.00	3,458.87	3,327.85	3,170.37	16.62	18.51	90.37	-957.67	-226.80	926.42	893.60	32.83	28.222		
3,600.00	3,557.44	3,422.69	3,259.09	17.10	19.08	90.38	-990.23	-234.81	958.12	924.33	33.79	28.356		
3,700.00	3,656.01	3,517.54	3,347.81	17.58	19.65	90.38	-1,022.78	-242.82	989.82	955.06	34.75	28.480		
3,800.00	3,754.58	3,612.38	3,436.53	18.06	20.23	90.39	-1,055.33	-250.84	1,021.51	985.79	35.72	28.597		
3,900.00	3,853.15	3,726.61	3,543.61	18.54	20.91	90.41	-1,093.97	-260.34	1,052.84	1,015.93	36.90	28.529		
4,000.00	3,951.72	3,869.46	3,679.40	19.02	21.73	90.59	-1,137.00	-270.93	1,080.69	1,042.35	38.34	28.185		
4,100.00	4,050.29	4,015.49	3,820.31	19.50	22.52	90.95	-1,174.14	-280.07	1,104.27	1,064.56	39.71	27.806		
4,200.00	4,148.86	4,164.02	3,965.45	19.98	23.26	91.48	-1,204.71	-287.59	1,123.47	1,082.48	41.00	27.404		
4,300.00	4,247.43	4,314.31	4,113.77	20.46	23.95	92.18	-1,228.17	-293.37	1,138.25	1,096.07	42.18	26.982		
4,400.00	4,346.00	4,465.54	4,264.09	20.94	24.59	93.06	-1,244.12	-297.29	1,148.60	1,105.34	43.26	26.548		
4,500.00	4,444.58	4,616.89	4,415.18	21.43	25.17	94.12	-1,252.35	-299.32	1,154.57	1,110.34	44.23	26.102		
4,600.00	4,543.15	4,744.87	4,543.15	21.91	25.58	95.16	-1,253.57	-299.62	1,156.69	1,111.61	45.08	25.656		
4,700.00	4,641.72	4,843.44	4,641.72	22.39	25.87	95.98	-1,253.57	-299.62	1,158.35	1,112.42	45.93	25.219		
4,800.00	4,740.29	4,942.01	4,740.29	22.87	26.17	96.79	-1,253.57	-299.62	1,160.25	1,113.47	46.78	24.802		
4,900.00	4,838.86	5,040.58	4,838.86	23.36	26.47	97.60	-1,253.57	-299.62	1,162.39	1,114.76	47.63	24.403		
5,000.00	4,937.43	5,139.15	4,937.43	23.84	26.77	98.41	-1,253.57	-299.62	1,164.77	1,116.28	48.49	24.022		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,237.72	5,036.00	24.32	27.08	99.22	-1,253.57	-299.62	1,167.39	1,118.05	49.34	23.659		
5,200.00	5,134.57	5,336.29	5,134.57	24.81	27.39	100.02	-1,253.57	-299.62	1,170.25	1,120.05	50.20	23.312		
5,300.00	5,233.14	5,434.86	5,233.14	25.29	27.70	100.82	-1,253.57	-299.62	1,173.34	1,122.28	51.06	22.980		
5,400.00	5,331.71	5,533.43	5,331.71	25.78	28.02	101.62	-1,253.57	-299.62	1,176.66	1,124.74	51.92	22.663		
5,500.00	5,430.28	5,632.00	5,430.28	26.26	28.34	102.41	-1,253.57	-299.62	1,180.22	1,127.44	52.78	22.361		
5,600.00	5,528.85	5,730.57	5,528.85	26.75	28.66	103.19	-1,253.57	-299.62	1,184.00	1,130.36	53.64	22.072		
5,700.00	5,627.42	5,829.14	5,627.42	27.23	28.99	103.97	-1,253.57	-299.62	1,188.02	1,133.51	54.51	21.796		
5,800.00	5,725.99	5,927.71	5,725.99	27.72	29.31	104.75	-1,253.57	-299.62	1,192.25	1,136.88	55.37	21.533		
5,900.00	5,824.56	6,026.28	5,824.56	28.20	29.65	105.52	-1,253.57	-299.62	1,196.71	1,140.48	56.23	21.281		
6,000.00	5,923.13	6,124.85	5,923.13	28.69	29.98	106.28	-1,253.57	-299.62	1,201.39	1,144.29	57.10	21.040		
6,100.00	6,021.70	6,223.42	6,021.70	29.17	30.32	107.04	-1,253.57	-299.62	1,206.28	1,148.32	57.97	20.811		
6,200.00	6,120.27	6,321.99	6,120.27	29.66	30.65	107.79	-1,253.57	-299.62	1,211.39	1,152.56	58.83	20.591		
6,238.51	6,158.23	6,359.95	6,158.23	29.84	30.79	108.08	-1,253.57	-299.62	1,213.42	1,154.25	59.16	20.509		
6,250.00	6,169.57	6,371.29	6,169.57	29.90	30.83	103.77	-1,253.57	-299.62	1,213.94	1,154.68	59.26	20.484		
6,300.00	6,219.12	6,420.81	6,219.12	30.13	41.58	19.97	-1,250.23	740.08	1,188.11	1,154.67	33.44	35.527		
6,350.00	6,268.78	6,470.33	6,268.78	30.33	41.59	-27.02	-1,250.23	739.79	1,143.09	1,108.56	34.53	33.109		
6,400.00	6,318.25	6,519.85	6,318.25	30.52	41.66	-60.03	-1,250.25	735.58	1,098.60	1,062.87	35.73	30.748		
6,450.00	6,367.22	6,568.82	6,367.22	30.69	41.27	-79.67	-1,250.27	727.47	1,054.97	1,018.31	36.65	28.782		
6,500.00	6,415.39	6,617.89	6,415.39	30.86	41.06	-92.31	-1,250.31	715.52	1,012.48	974.69	37.79	26.793		
6,550.00	6,462.47	6,666.96	6,462.47	31.02	40.79	-101.07	-1,250.36	699.80	971.44	932.50	38.94	24.946		
6,600.00	6,508.16	6,716.03	6,508.16	31.18	40.46	-107.39	-1,250.42	680.41	932.11	892.00	40.10	23.243		
6,650.00	6,552.18	6,765.10	6,552.18	31.34	40.07	-112.06	-1,250.50	657.47	894.74	853.47	41.26	21.683		
6,700.00	6,594.26	6,814.17	6,594.26	31.51	39.64	-115.53	-1,250.58	631.11	859.56	817.13	42.43	20.259		
6,750.00	6,634.14	6,863.24	6,634.14	31.68	39.18	-118.10	-1,250.68	601.50	826.75	783.16	43.59	18.967		
6,800.00	6,671.58	6,912.31	6,671.58	31.86	38.68	-119.98	-1,250.78	568.83	796.48	751.77	44.71	17.813		
6,850.00	6,706.34	6,961.38	6,706.34	32.06	38.43	-121.33	-1,250.90	533.29	768.86	722.83	46.04	16.702		
6,900.00	6,738.21	7,010.45	6,738.21	32.27	37.62	-122.28	-1,251.02	495.11	743.97	697.13	46.85	15.880		
6,950.00	6,766.99	7,059.52	6,766.99	32.52	37.07	-122.90	-1,251.15	454.51	721.86	674.04	47.82	15.096		
7,000.00	6,792.51	7,108.60	6,792.51	32.80	36.55	-123.29	-1,251.29	411.75	702.53	653.80	48.73	14.416		
7,050.00	6,814.61	7,157.67	6,814.61	33.12	36.06	-123.51	-1,251.43	367.10	685.97	636.41	49.56	13.842		
7,100.00	6,833.15	7,206.74	6,833.15	33.48	35.39	-122.99	-1,251.66	295.44	671.84	621.62	50.22	13.377		
7,150.00	6,848.02	7,255.81	6,848.02	33.89	34.72	-120.79	-1,252.02	183.81	656.57	604.85	51.72	12.695		
7,200.00	6,859.13	7,304.94	6,859.13	34.35	34.41	-118.27	-1,252.32	90.46	639.96	585.91	54.05	11.841		
7,250.00	6,866.40	7,354.07	6,866.40	34.86	34.22	-115.62	-1,252.56	13.83	622.92	566.31	56.61	11.004		
7,300.00	6,869.79	7,403.20	6,869.79	35.40	34.07	-112.94	-1,252.76	-48.73	606.23	547.13	59.10	10.258		
7,327.68	6,870.00	7,411.47	6,870.00	35.71	33.98	-111.47	-1,252.86	-78.31	597.36	536.98	60.38	9.893		
7,400.00	6,868.97	7,459.34	6,868.97	36.61	33.79	-105.79	-1,253.05	-138.87	574.65	511.25	63.41	9.063		
7,500.00	6,867.54	7,508.41	6,867.54	38.01	33.56	-98.75	-1,253.22	-192.08	546.83	479.90	66.93	8.170		
7,600.00	6,866.12	7,557.48	6,866.12	39.58	33.38	-93.03	-1,253.33	-224.21	528.51	458.65	69.87	7.564		
7,681.23	6,864.96	7,606.66	6,864.96	40.97	33.26	-89.29	-1,253.38	-241.32	523.52	451.65	71.88	7.284		
7,700.00	6,864.69	7,614.99	6,864.69	41.29	33.23	-88.53	-1,253.39	-244.50	523.80	451.53	72.27	7.248		
7,800.00	6,863.27	7,664.06	6,863.27	43.12	33.12	-85.01	-1,253.44	-257.91	534.78	460.75	74.03	7.224 SF		
7,900.00	6,861.85	7,713.13	6,861.85	45.06	33.03	-82.39	-1,253.46	-266.61	561.52	486.44	75.08	7.479		
8,000.00	6,860.42	7,762.20	6,860.42	47.10	32.95	-79.97	-1,253.49	-273.73	602.48	526.97	75.51	7.979		
8,100.00	6,859.00	7,811.27	6,859.00	49.21	32.89	-78.14	-1,253.50	-278.57	655.34	579.86	75.49	8.682		
8,200.00	6,857.57	7,860.34	6,857.57	51.40	32.86	-77.31	-1,253.51	-280.62	717.75	642.54	75.21	9.543		
8,300.00	6,856.15	7,909.41	6,856.15	53.65	32.80	-75.36	-1,253.52	-285.03	787.41	712.65	74.76	10.532		
8,400.00	6,854.72	7,958.48	6,854.72	55.96	32.76	-74.28	-1,253.53	-287.24	862.80	788.51	74.29	11.614		
8,500.00	6,853.30	8,007.55	6,853.30	58.31	32.69	-72.32	-1,253.54	-290.83	942.68	868.91	73.77	12.779		
8,600.00	6,851.88	8,056.62	6,851.88	60.70	32.69	-72.32	-1,253.54	-290.83	1,025.69	952.34	73.36	13.982		
8,700.00	6,850.45	8,105.69	6,850.45	63.14	32.69	-72.32	-1,253.54	-290.83	1,111.50	1,038.54	72.97	15.233		
8,800.00	6,849.03	8,154.76	6,849.03	65.60	32.69	-72.32	-1,253.54	-290.83	1,199.52	1,126.90	72.61	16.519		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,883.25	6,681.24	68.10	32.63	-70.69	-1,253.55	-293.38	1,288.97	1,216.72	72.25	17.841		
9,000.00	6,846.18	6,878.18	6,676.21	70.62	32.61	-70.20	-1,253.55	-294.07	1,379.93	1,307.98	71.95	19.179		
9,100.00	6,844.75	6,873.60	6,671.67	73.17	32.59	-69.76	-1,253.55	-294.66	1,472.01	1,400.33	71.68	20.535		
9,200.00	6,843.33	6,869.45	6,667.55	75.73	32.58	-69.36	-1,253.55	-295.16	1,565.03	1,493.59	71.45	21.905		
9,300.00	6,841.91	6,850.00	6,648.21	78.32	32.51	-67.53	-1,253.56	-297.16	1,659.09	1,587.90	71.19	23.304		
9,400.00	6,840.48	6,850.00	6,648.21	80.92	32.51	-67.53	-1,253.56	-297.16	1,753.45	1,682.43	71.01	24.691		
9,500.00	6,839.06	6,850.00	6,648.21	83.54	32.51	-67.53	-1,253.56	-297.16	1,848.39	1,777.54	70.85	26.087		
9,600.00	6,837.63	6,850.00	6,648.21	86.18	32.51	-67.53	-1,253.56	-297.16	1,943.85	1,873.14	70.71	27.490		
9,700.00	6,836.21	6,850.00	6,648.21	88.82	32.51	-67.53	-1,253.56	-297.16	2,039.74	1,969.16	70.58	28.899		
9,800.00	6,834.78	6,850.00	6,648.21	91.48	32.51	-67.53	-1,253.56	-297.16	2,136.01	2,065.54	70.46	30.313		
9,900.00	6,833.36	6,850.00	6,648.21	94.15	32.51	-67.53	-1,253.56	-297.16	2,232.61	2,162.25	70.36	31.731		
10,000.00	6,831.94	6,850.00	6,648.21	96.83	32.51	-67.53	-1,253.56	-297.16	2,329.49	2,259.22	70.27	33.152		
10,100.00	6,830.51	6,850.00	6,648.21	99.52	32.51	-67.53	-1,253.56	-297.16	2,426.63	2,356.44	70.18	34.576		
10,200.00	6,829.09	6,850.00	6,648.21	102.22	32.51	-67.53	-1,253.56	-297.16	2,523.99	2,453.88	70.11	36.001		
10,300.00	6,827.66	6,850.00	6,648.21	104.92	32.51	-67.53	-1,253.56	-297.16	2,621.54	2,551.50	70.04	37.429		
10,400.00	6,826.24	6,850.00	6,648.21	107.63	32.51	-67.53	-1,253.56	-297.16	2,719.28	2,649.30	69.98	38.857		
10,500.00	6,824.81	6,850.00	6,648.21	110.35	32.51	-67.53	-1,253.56	-297.16	2,817.18	2,747.25	69.93	40.286		
10,600.00	6,823.39	6,850.00	6,648.21	113.08	32.51	-67.53	-1,253.56	-297.16	2,915.21	2,845.33	69.88	41.715		
10,700.00	6,821.96	6,850.00	6,648.21	115.81	32.51	-67.53	-1,253.56	-297.16	3,013.38	2,943.54	69.84	43.145		
10,800.00	6,820.54	6,850.00	6,648.21	118.54	32.51	-67.53	-1,253.56	-297.16	3,111.66	3,041.86	69.81	44.574		
10,900.00	6,819.12	6,850.00	6,648.21	121.29	32.51	-67.53	-1,253.56	-297.16	3,210.05	3,140.28	69.78	46.004		
11,000.00	6,817.69	6,850.00	6,648.21	124.03	32.51	-67.53	-1,253.56	-297.16	3,308.54	3,238.79	69.75	47.432		
11,100.00	6,816.27	6,829.61	6,627.87	126.78	32.44	-65.65	-1,253.57	-298.63	3,406.73	3,337.03	69.70	48.876		
11,200.00	6,814.84	6,828.53	6,626.79	129.54	32.43	-65.55	-1,253.57	-298.69	3,505.34	3,435.66	69.68	50.304		
11,300.00	6,813.42	6,827.50	6,625.76	132.29	32.43	-65.46	-1,253.57	-298.74	3,604.03	3,534.36	69.67	51.731		
11,400.00	6,811.99	6,826.52	6,624.78	135.05	32.42	-65.37	-1,253.57	-298.79	3,702.79	3,633.13	69.66	53.157		
11,500.00	6,810.57	6,825.58	6,623.84	137.82	32.42	-65.28	-1,253.57	-298.84	3,801.61	3,731.96	69.65	54.581		
11,534.42	6,810.08	6,825.26	6,623.53	138.77	32.42	-65.25	-1,253.57	-298.85	3,835.64	3,765.99	69.65	55.071		
11,600.00	6,809.15	6,824.68	6,622.95	140.59	32.42	-60.94	-1,253.57	-298.88	3,900.59	3,830.94	69.65	56.003		
11,645.35	6,808.50	6,824.29	6,622.55	141.85	32.42	-57.01	-1,253.57	-298.90	3,945.61	3,875.96	69.65	56.646		
11,700.00	6,807.72	6,823.82	6,622.09	143.37	32.42	-56.96	-1,253.57	-298.92	3,999.92	3,930.26	69.66	57.421		
11,800.00	6,806.30	6,823.00	6,621.27	146.16	32.41	-56.87	-1,253.57	-298.96	4,099.31	4,029.64	69.67	58.836		
11,900.00	6,804.88	6,822.21	6,620.48	148.94	32.41	-56.79	-1,253.57	-299.00	4,198.74	4,129.05	69.69	60.250		
12,000.00	6,803.45	6,821.46	6,619.73	151.74	32.41	-56.71	-1,253.57	-299.03	4,298.18	4,228.48	69.71	61.662		
12,100.00	6,802.03	6,800.00	6,598.28	154.53	32.33	-54.47	-1,253.57	-299.59	4,398.04	4,328.35	69.69	63.105		
12,200.00	6,800.61	6,800.00	6,598.28	157.32	32.33	-54.47	-1,253.57	-299.59	4,497.51	4,427.80	69.72	64.512		
12,300.00	6,799.18	6,800.00	6,598.28	160.12	32.33	-54.47	-1,253.57	-299.59	4,597.00	4,527.26	69.74	65.916		
12,400.00	6,797.76	6,800.00	6,598.28	162.92	32.33	-54.47	-1,253.57	-299.59	4,696.52	4,626.75	69.77	67.317		
12,500.00	6,796.34	6,800.00	6,598.28	165.72	32.33	-54.47	-1,253.57	-299.59	4,796.05	4,726.26	69.80	68.716		
12,600.00	6,794.92	6,800.00	6,598.28	168.53	32.33	-54.47	-1,253.57	-299.59	4,895.60	4,825.78	69.82	70.113		
12,700.00	6,793.49	6,800.00	6,598.28	171.33	32.33	-54.47	-1,253.57	-299.59	4,995.17	4,925.32	69.86	71.507		
12,800.00	6,792.07	6,800.00	6,598.28	174.14	32.33	-54.47	-1,253.57	-299.59	5,094.76	5,024.87	69.89	72.898		
12,900.00	6,790.65	6,800.00	6,598.28	176.95	32.33	-54.47	-1,253.57	-299.59	5,194.37	5,124.44	69.92	74.287		
13,000.00	6,789.22	6,800.00	6,598.28	179.76	32.33	-54.47	-1,253.57	-299.59	5,293.98	5,224.02	69.96	75.673		
13,100.00	6,787.80	6,800.00	6,598.28	182.57	32.33	-54.47	-1,253.57	-299.59	5,393.62	5,323.62	70.00	77.056		
13,200.00	6,786.38	6,800.00	6,598.28	185.38	32.33	-54.47	-1,253.57	-299.59	5,493.26	5,423.23	70.04	78.436		
13,300.00	6,784.95	6,800.00	6,598.28	188.20	32.33	-54.47	-1,253.57	-299.59	5,592.92	5,522.85	70.08	79.813		
13,400.00	6,783.53	6,800.00	6,598.28	191.01	32.33	-54.47	-1,253.57	-299.59	5,692.59	5,622.47	70.12	81.187		
13,500.00	6,782.11	6,800.00	6,598.28	193.83	32.33	-54.47	-1,253.57	-299.59	5,792.27	5,722.11	70.16	82.559		
13,600.00	6,780.68	6,800.00	6,598.28	196.65	32.33	-54.47	-1,253.57	-299.59	5,891.97	5,821.76	70.20	83.927		
13,700.00	6,779.26	6,800.00	6,598.28	199.47	32.33	-54.47	-1,253.57	-299.59	5,991.67	5,921.42	70.25	85.292		
13,800.00	6,777.84	6,800.00	6,598.28	202.29	32.33	-54.47	-1,253.57	-299.59	6,091.38	6,021.09	70.30	86.654		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	6,800.00	6,598.28	205.11	32.33	-54.47	-1,253.57	-299.59	6,191.10	6,120.76	70.34	88.013		
14,000.00	6,774.99	6,800.00	6,598.28	207.93	32.33	-54.47	-1,253.57	-299.59	6,290.83	6,220.44	70.39	89.368		
14,100.00	6,773.57	6,800.00	6,598.28	210.76	32.33	-54.47	-1,253.57	-299.59	6,390.57	6,320.13	70.44	90.720		
14,200.00	6,772.15	6,800.00	6,598.28	213.58	32.33	-54.47	-1,253.57	-299.59	6,490.32	6,419.83	70.49	92.069		
14,300.00	6,770.72	6,800.00	6,598.28	216.40	32.33	-54.47	-1,253.57	-299.59	6,590.07	6,519.53	70.55	93.415		
14,400.00	6,769.30	6,800.00	6,598.28	219.23	32.33	-54.47	-1,253.57	-299.59	6,689.84	6,619.24	70.60	94.757		
14,500.00	6,767.88	6,800.00	6,598.28	222.06	32.33	-54.47	-1,253.57	-299.59	6,789.61	6,718.95	70.65	96.096		
14,600.00	6,766.45	6,800.00	6,598.28	224.89	32.33	-54.47	-1,253.57	-299.59	6,889.38	6,818.67	70.71	97.431		
14,700.00	6,765.03	6,800.00	6,598.28	227.71	32.33	-54.47	-1,253.57	-299.59	6,989.16	6,918.40	70.77	98.763		
14,800.00	6,763.61	6,800.00	6,598.28	230.54	32.33	-54.47	-1,253.57	-299.59	7,088.95	7,018.13	70.82	100.091		
14,900.00	6,762.19	6,800.00	6,598.28	233.37	32.33	-54.47	-1,253.57	-299.59	7,188.75	7,117.86	70.88	101.416		
15,000.00	6,760.76	6,800.00	6,598.28	236.20	32.33	-54.47	-1,253.57	-299.59	7,288.55	7,217.60	70.94	102.737		
15,100.00	6,759.34	6,800.00	6,598.28	239.03	32.33	-54.47	-1,253.57	-299.59	7,388.35	7,317.35	71.00	104.055		
15,200.00	6,757.92	6,800.00	6,598.28	241.86	32.33	-54.47	-1,253.57	-299.59	7,488.16	7,417.10	71.07	105.369		
15,300.00	6,756.49	6,800.00	6,598.28	244.70	32.33	-54.47	-1,253.57	-299.59	7,587.98	7,516.85	71.13	106.679		
15,334.64	6,756.00	6,800.00	6,598.28	245.68	32.33	-54.47	-1,253.57	-299.59	7,622.55	7,551.40	71.15	107.132		
15,335.52	6,755.99	6,800.00	6,598.28	245.70	32.33	-54.47	-1,253.57	-299.59	7,623.43	7,552.28	71.15	107.144		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6.854		
200.00	200.00	200.00	200.00	3.34	3.34	-174.32	-44.81	-4.45	45.03	38.36	6.67	6.747 CC, ES		
300.00	300.00	298.44	298.42	3.44	3.44	-173.92	-46.43	-4.95	46.72	39.82	6.89	6.777		
400.00	399.98	396.68	396.53	3.60	3.59	58.59	-51.26	-6.42	50.85	43.64	7.22	7.046		
500.00	499.84	494.52	494.00	3.79	3.78	64.12	-59.28	-8.86	56.89	49.26	7.63	7.453		
600.00	599.45	591.76	590.54	4.03	4.01	71.13	-70.39	-12.25	65.59	57.46	8.13	8.066		
700.00	698.70	688.94	686.59	4.30	4.28	78.41	-84.49	-16.55	77.51	68.83	8.68	8.930		
785.00	782.69	772.66	769.24	4.56	4.54	84.62	-97.31	-20.45	88.84	79.67	9.17	9.686		
800.00	797.47	787.42	783.80	4.60	4.59	85.72	-99.57	-21.14	90.93	81.66	9.26	9.818		
900.00	896.04	885.78	880.89	4.94	4.93	91.95	-114.63	-25.73	105.53	95.63	9.90	10.662		
1,000.00	994.61	984.14	977.99	5.30	5.28	96.63	-129.69	-30.32	121.07	110.48	10.59	11.436		
1,100.00	1,093.18	1,082.50	1,075.08	5.69	5.66	100.24	-144.74	-34.91	137.22	125.90	11.31	12.129		
1,200.00	1,191.75	1,180.86	1,172.17	6.08	6.05	103.08	-159.80	-39.50	153.78	141.71	12.07	12.740		
1,300.00	1,290.32	1,279.22	1,269.26	6.49	6.45	105.37	-174.86	-44.09	170.65	157.80	12.86	13.275		
1,400.00	1,388.89	1,377.58	1,366.35	6.91	6.86	107.25	-189.92	-48.68	187.74	174.08	13.66	13.743		
1,500.00	1,487.46	1,475.94	1,463.44	7.34	7.28	108.81	-204.98	-53.27	204.98	190.50	14.48	14.153		
1,600.00	1,586.03	1,574.30	1,560.54	7.77	7.70	110.13	-220.04	-57.86	222.36	207.04	15.32	14.513		
1,700.00	1,684.61	1,672.66	1,657.63	8.22	8.13	111.26	-235.10	-62.45	239.83	223.66	16.17	14.830		
1,800.00	1,783.18	1,771.02	1,754.72	8.66	8.57	112.23	-250.16	-67.04	257.38	240.35	17.03	15.112		
1,900.00	1,881.75	1,869.38	1,851.81	9.11	9.01	113.08	-265.22	-71.63	274.99	257.09	17.90	15.362		
2,000.00	1,980.32	1,967.74	1,948.90	9.57	9.45	113.83	-280.28	-76.22	292.66	273.88	18.78	15.585		
2,100.00	2,078.89	2,066.10	2,045.99	10.02	9.90	114.49	-295.33	-80.81	310.36	290.70	19.66	15.786		
2,200.00	2,177.46	2,164.46	2,143.09	10.49	10.35	115.09	-310.39	-85.40	328.11	307.56	20.55	15.966		
2,300.00	2,276.03	2,262.82	2,240.18	10.95	10.80	115.62	-325.45	-89.99	345.88	324.44	21.44	16.129		
2,400.00	2,374.60	2,361.18	2,337.27	11.41	11.25	116.10	-340.51	-94.58	363.68	341.34	22.34	16.277		
2,500.00	2,473.17	2,459.53	2,434.36	11.88	11.70	116.53	-355.57	-99.17	381.50	358.26	23.24	16.412		
2,600.00	2,571.74	2,557.89	2,531.45	12.35	12.16	116.93	-370.63	-103.76	399.34	375.19	24.15	16.536		
2,700.00	2,670.31	2,656.25	2,628.55	12.82	12.62	117.29	-385.69	-108.35	417.20	392.14	25.06	16.649		
2,800.00	2,768.88	2,754.61	2,725.64	13.29	13.08	117.62	-400.75	-112.94	435.07	409.10	25.97	16.753		
2,900.00	2,867.45	2,852.97	2,822.73	13.76	13.54	117.93	-415.81	-117.53	452.96	426.08	26.88	16.848		
3,000.00	2,966.02	2,951.33	2,919.82	14.24	14.00	118.21	-430.86	-122.11	470.86	443.06	27.80	16.937		
3,100.00	3,064.59	3,049.69	3,016.91	14.71	14.46	118.47	-445.92	-126.70	488.77	460.05	28.72	17.019		
3,200.00	3,163.16	3,148.05	3,114.00	15.19	14.92	118.71	-460.98	-131.29	506.68	477.05	29.64	17.096		
3,300.00	3,261.73	3,246.41	3,211.10	15.66	15.39	118.94	-476.04	-135.88	524.61	494.05	30.56	17.167		
3,400.00	3,360.30	3,344.77	3,308.19	16.14	15.85	119.15	-491.10	-140.47	542.54	511.06	31.48	17.233		
3,500.00	3,458.87	3,443.13	3,405.28	16.62	16.32	119.35	-506.16	-145.06	560.48	528.07	32.41	17.295		
3,600.00	3,557.44	3,541.49	3,502.37	17.10	16.78	119.54	-521.22	-149.65	578.43	545.09	33.33	17.353		
3,700.00	3,656.01	3,639.85	3,599.46	17.58	17.25	119.71	-536.28	-154.24	596.38	562.12	34.26	17.408		
3,800.00	3,754.58	3,738.21	3,696.56	18.06	17.72	119.88	-551.34	-158.83	614.33	579.15	35.19	17.459		
3,900.00	3,853.15	3,836.57	3,793.65	18.54	18.18	120.03	-566.40	-163.42	632.29	596.18	36.12	17.507		
4,000.00	3,951.72	3,934.93	3,890.74	19.02	18.65	120.18	-581.45	-168.01	650.26	613.21	37.05	17.553		
4,100.00	4,050.29	4,033.29	3,987.83	19.50	19.12	120.32	-596.51	-172.60	668.23	630.25	37.98	17.596		
4,200.00	4,148.86	4,131.65	4,084.92	19.98	19.59	120.45	-611.57	-177.19	686.20	647.29	38.91	17.637		
4,300.00	4,247.43	4,230.01	4,182.01	20.46	20.06	120.57	-626.63	-181.78	704.18	664.34	39.84	17.676		
4,400.00	4,346.00	4,328.37	4,279.11	20.94	20.53	120.69	-641.69	-186.37	722.16	681.38	40.77	17.712		
4,500.00	4,444.58	4,426.73	4,376.20	21.43	20.99	120.80	-656.75	-190.96	740.14	698.43	41.70	17.747		
4,600.00	4,543.15	4,525.09	4,473.29	21.91	21.46	120.91	-671.81	-195.55	758.12	715.48	42.64	17.780		
4,700.00	4,641.72	4,623.45	4,570.38	22.39	21.93	121.01	-686.87	-200.14	776.11	732.54	43.57	17.812		
4,800.00	4,740.29	4,721.81	4,667.47	22.87	22.40	121.11	-701.93	-204.73	794.10	749.59	44.51	17.842		
4,900.00	4,838.86	4,820.17	4,764.56	23.36	22.87	121.20	-716.98	-209.32	812.09	766.65	45.44	17.870		
5,000.00	4,937.43	4,918.53	4,861.66	23.84	23.35	121.29	-732.04	-213.91	830.08	783.70	46.38	17.898		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,016.89	4,958.75	24.32	23.82	121.38	-747.10	-218.50	848.08	800.76	47.32	17.924		
5,200.00	5,134.57	5,115.25	5,055.84	24.81	24.29	121.46	-762.16	-223.09	866.07	817.82	48.25	17.949		
5,300.00	5,233.14	5,213.61	5,152.93	25.29	24.76	121.54	-777.22	-227.68	884.07	834.88	49.19	17.973		
5,400.00	5,331.71	5,311.97	5,250.02	25.78	25.23	121.62	-792.28	-232.27	902.07	851.95	50.13	17.996		
5,500.00	5,430.28	5,410.33	5,347.12	26.26	25.70	121.69	-807.34	-236.86	920.08	869.01	51.06	18.018		
5,600.00	5,528.85	5,508.69	5,444.21	26.75	26.17	121.76	-822.40	-241.45	938.08	886.08	52.00	18.039		
5,700.00	5,627.42	5,607.05	5,541.30	27.23	26.64	121.83	-837.46	-246.03	956.08	903.14	52.94	18.059		
5,800.00	5,725.99	5,705.41	5,638.39	27.72	27.12	121.89	-852.52	-250.62	974.09	920.21	53.88	18.079		
5,900.00	5,824.56	5,803.77	5,735.48	28.20	27.59	121.95	-867.57	-255.21	992.09	937.28	54.82	18.098		
6,000.00	5,923.13	5,902.13	5,832.57	28.69	28.06	122.01	-882.63	-259.80	1,010.10	954.34	55.76	18.116		
6,100.00	6,021.70	7,701.48	6,895.95	29.17	39.94	68.70	-1,045.79	714.62	979.89	952.32	27.57	35.537		
6,200.00	6,120.27	7,711.65	6,895.98	29.66	40.13	66.75	-1,045.78	727.76	887.75	857.77	29.98	29.613		
6,238.51	6,158.23	7,716.71	6,895.99	29.84	40.22	65.98	-1,045.77	732.81	852.69	821.63	31.06	27.457		
6,250.00	6,169.57	7,718.11	6,896.00	29.90	40.24	59.22	-1,045.77	734.22	842.27	810.87	31.39	26.830		
6,300.00	6,219.12	7,721.83	6,896.01	30.13	40.31	20.25	-1,045.76	737.94	796.99	764.07	32.92	24.209		
6,350.00	6,268.78	7,721.62	6,896.01	30.33	40.31	-26.57	-1,045.76	737.73	752.11	717.56	34.56	21.764		
6,400.00	6,318.25	7,717.50	6,896.00	30.52	40.23	-59.04	-1,045.77	733.61	708.02	671.70	36.32	19.496		
6,450.00	6,367.22	7,709.48	6,895.97	30.69	40.09	-77.84	-1,045.78	725.59	665.08	626.87	38.21	17.407		
6,500.00	6,415.39	7,697.62	6,895.94	30.86	39.87	-89.43	-1,045.79	713.73	623.69	583.44	40.24	15.498		
6,550.00	6,462.47	7,681.98	6,895.90	31.02	39.60	-96.98	-1,045.81	698.09	584.21	541.78	42.43	13.769		
6,600.00	6,508.16	7,662.67	6,895.85	31.18	39.27	-101.96	-1,045.84	678.78	547.02	502.27	44.75	12.224		
6,650.00	6,552.18	7,639.81	6,895.79	31.34	38.88	-105.14	-1,045.87	655.91	512.46	465.29	47.17	10.864		
6,700.00	6,594.26	7,613.53	6,895.72	31.51	38.44	-106.99	-1,045.91	629.63	480.83	431.17	49.65	9.684		
6,750.00	6,634.14	7,583.99	6,895.65	31.68	37.95	-107.79	-1,045.94	600.10	452.38	400.22	52.16	8.673		
6,800.00	6,671.58	7,551.39	6,895.56	31.86	37.44	-107.75	-1,045.99	567.49	427.29	372.67	54.62	7.824		
6,850.00	6,706.34	7,515.91	6,895.47	32.06	36.89	-107.04	-1,046.03	532.02	405.62	348.70	56.92	7.126		
6,900.00	6,738.21	7,477.78	6,895.37	32.27	36.33	-105.79	-1,046.08	493.89	387.36	328.32	59.04	6.561		
6,950.00	6,766.99	7,437.24	6,895.26	32.52	35.76	-104.16	-1,046.14	453.35	372.32	311.43	60.89	6.115		
7,000.00	6,792.51	7,405.47	6,895.15	32.80	35.31	-102.30	-1,046.19	410.64	360.26	297.70	62.56	5.759		
7,050.00	6,814.61	7,349.92	6,895.03	33.12	34.61	-100.35	-1,046.25	366.03	350.80	287.13	63.67	5.510		
7,100.00	6,833.15	7,296.06	6,893.43	33.48	33.98	-97.83	-1,046.10	312.20	343.14	278.47	64.68	5.306		
7,150.00	6,848.02	7,241.80	6,887.37	33.89	33.39	-95.00	-1,045.25	258.31	336.27	270.64	65.64	5.123		
7,200.00	6,859.13	7,189.69	6,877.30	34.35	32.90	-92.05	-1,043.78	207.21	330.30	263.81	66.49	4.968		
7,250.00	6,866.40	7,139.49	6,863.73	34.86	32.53	-88.98	-1,041.76	158.95	325.36	258.17	67.19	4.842		
7,300.00	6,869.79	7,091.02	6,847.09	35.40	32.33	-85.83	-1,039.26	113.50	321.53	253.81	67.72	4.748		
7,327.68	6,870.00	7,064.87	6,836.71	35.71	32.27	-84.06	-1,037.69	89.55	319.90	251.97	67.94	4.709		
7,400.00	6,868.97	7,000.46	6,807.08	36.61	32.16	-78.77	-1,033.19	32.56	317.65	249.39	68.26	4.654		
7,406.04	6,868.88	6,995.38	6,804.50	36.69	32.15	-78.31	-1,032.80	28.21	317.63	249.36	68.27	4.653 SF		
7,500.00	6,867.54	6,922.46	6,763.82	38.01	32.03	-71.02	-1,026.60	-31.94	322.20	254.28	67.92	4.744		
7,600.00	6,866.12	6,856.63	6,721.47	39.58	31.90	-63.70	-1,020.12	-81.88	339.49	272.79	66.70	5.090		
7,700.00	6,864.69	6,800.00	6,681.13	41.29	31.78	-57.17	-1,013.93	-121.11	371.27	306.18	65.09	5.704		
7,800.00	6,863.27	6,755.12	6,646.81	43.12	31.67	-52.06	-1,008.66	-149.53	416.70	352.82	63.88	6.523		
7,900.00	6,861.85	6,716.12	6,615.44	45.06	31.56	-47.77	-1,003.84	-172.19	473.50	410.45	63.06	7.509		
8,000.00	6,860.42	6,683.05	6,587.80	47.10	31.46	-44.31	-999.59	-189.85	539.18	476.54	62.64	8.608		
8,100.00	6,859.00	6,650.00	6,559.32	49.21	31.37	-41.03	-995.20	-206.02	611.61	549.31	62.30	9.817		
8,200.00	6,857.57	6,630.46	6,542.11	51.40	31.30	-39.19	-992.55	-214.87	689.07	626.57	62.50	11.026		
8,300.00	6,856.15	6,600.00	6,514.76	53.65	31.20	-36.46	-988.33	-227.59	770.55	708.24	62.31	12.367		
8,400.00	6,854.72	6,600.00	6,514.76	55.96	31.20	-36.46	-988.33	-227.59	854.90	791.98	62.92	13.587		
8,500.00	6,853.30	6,574.67	6,491.58	58.31	31.11	-34.33	-984.75	-237.15	941.49	878.67	62.82	14.987		
8,600.00	6,851.88	6,550.00	6,468.66	60.70	31.03	-32.38	-981.21	-245.56	1,030.19	967.44	62.75	16.418		
8,700.00	6,850.45	6,550.00	6,468.66	63.14	31.03	-32.38	-981.21	-245.56	1,120.14	1,057.04	63.10	17.752		
8,800.00	6,849.03	6,550.00	6,468.66	65.60	31.03	-32.38	-981.21	-245.56	1,211.66	1,148.30	63.36	19.122		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,525.64	6,445.73	68.10	30.94	-30.57	-977.67	-252.97	1,303.75	1,240.49	63.25	20.611		
9,000.00	6,846.18	6,516.28	6,436.85	70.62	30.90	-29.90	-976.30	-255.59	1,396.92	1,333.58	63.34	22.055		
9,100.00	6,844.75	6,500.00	6,421.31	73.17	30.84	-28.78	-973.90	-259.81	1,490.87	1,427.54	63.33	23.541		
9,200.00	6,843.33	6,500.00	6,421.31	75.73	30.84	-28.78	-973.90	-259.81	1,585.30	1,521.82	63.48	24.972		
9,300.00	6,841.91	6,500.00	6,421.31	78.32	30.84	-28.78	-973.90	-259.81	1,680.37	1,616.76	63.61	26.418		
9,400.00	6,840.48	6,500.00	6,421.31	80.92	30.84	-28.78	-973.90	-259.81	1,775.99	1,712.27	63.71	27.875		
9,500.00	6,839.06	6,480.36	6,402.43	83.54	30.77	-27.49	-970.98	-264.38	1,871.66	1,808.01	63.65	29.406		
9,600.00	6,837.63	6,474.79	6,397.05	86.18	30.74	-27.13	-970.15	-265.56	1,967.87	1,904.17	63.70	30.894		
9,700.00	6,836.21	6,469.62	6,392.05	88.82	30.72	-26.81	-969.37	-266.62	2,064.38	2,000.64	63.74	32.387		
9,800.00	6,834.78	6,450.00	6,373.00	91.48	30.65	-25.62	-966.43	-270.26	2,161.39	2,097.70	63.69	33.937		
9,900.00	6,833.36	6,450.00	6,373.00	94.15	30.65	-25.62	-966.43	-270.26	2,258.29	2,194.53	63.76	35.418		
10,000.00	6,831.94	6,450.00	6,373.00	96.83	30.65	-25.62	-966.43	-270.26	2,355.46	2,291.63	63.83	36.904		
10,100.00	6,830.51	6,450.00	6,373.00	99.52	30.65	-25.62	-966.43	-270.26	2,452.85	2,388.97	63.89	38.394		
10,200.00	6,829.09	6,450.00	6,373.00	102.22	30.65	-25.62	-966.43	-270.26	2,550.45	2,486.50	63.94	39.887		
10,300.00	6,827.66	6,450.00	6,373.00	104.92	30.65	-25.62	-966.43	-270.26	2,648.22	2,584.23	63.99	41.382		
10,400.00	6,826.24	6,450.00	6,373.00	107.63	30.65	-25.62	-966.43	-270.26	2,746.16	2,682.11	64.04	42.879		
10,500.00	6,824.81	6,450.00	6,373.00	110.35	30.65	-25.62	-966.43	-270.26	2,844.23	2,780.14	64.09	44.378		
10,600.00	6,823.39	6,450.00	6,373.00	113.08	30.65	-25.62	-966.43	-270.26	2,942.44	2,878.31	64.14	45.878		
10,700.00	6,821.96	6,450.00	6,373.00	115.81	30.65	-25.62	-966.43	-270.26	3,040.77	2,976.59	64.18	47.378		
10,800.00	6,820.54	6,450.00	6,373.00	118.54	30.65	-25.62	-966.43	-270.26	3,139.20	3,074.97	64.22	48.878		
10,900.00	6,819.12	6,428.11	6,351.62	121.29	30.55	-24.37	-963.12	-273.63	3,237.27	3,173.10	64.18	50.442		
11,000.00	6,817.69	6,425.76	6,349.33	124.03	30.54	-24.24	-962.76	-273.94	3,335.79	3,271.58	64.21	51.948		
11,100.00	6,816.27	6,423.54	6,347.14	126.78	30.53	-24.12	-962.43	-274.23	3,434.38	3,370.13	64.25	53.453		
11,200.00	6,814.84	6,421.41	6,345.06	129.54	30.53	-24.00	-962.10	-274.50	3,533.04	3,468.76	64.29	54.957		
11,300.00	6,813.42	6,400.00	6,324.03	132.29	30.43	-22.87	-958.85	-276.85	3,632.12	3,567.87	64.25	56.528		
11,400.00	6,811.99	6,400.00	6,324.03	135.05	30.43	-22.87	-958.85	-276.85	3,730.84	3,666.54	64.30	58.022		
11,500.00	6,810.57	6,400.00	6,324.03	137.82	30.43	-22.87	-958.85	-276.85	3,829.63	3,765.28	64.35	59.515		
11,534.42	6,810.08	6,400.00	6,324.03	138.77	30.43	-22.87	-958.85	-276.85	3,863.65	3,799.29	64.36	60.029		
11,600.00	6,809.15	6,400.00	6,324.03	140.59	30.43	-14.48	-958.85	-276.85	3,928.52	3,864.12	64.40	61.006		
11,645.35	6,808.50	6,400.00	6,324.03	141.85	30.43	-8.17	-958.85	-276.85	3,973.43	3,909.01	64.42	61.680		
11,700.00	6,807.72	6,400.00	6,324.03	143.37	30.43	-8.17	-958.85	-276.85	4,027.56	3,963.11	64.45	62.492		
11,800.00	6,806.30	6,400.00	6,324.03	146.16	30.43	-8.17	-958.85	-276.85	4,126.66	4,062.16	64.50	63.977		
11,900.00	6,804.88	6,400.00	6,324.03	148.94	30.43	-8.17	-958.85	-276.85	4,225.80	4,161.25	64.56	65.459		
12,000.00	6,803.45	6,400.00	6,324.03	151.74	30.43	-8.17	-958.85	-276.85	4,324.98	4,260.37	64.61	66.940		
12,100.00	6,802.03	6,400.00	6,324.03	154.53	30.43	-8.17	-958.85	-276.85	4,424.20	4,359.54	64.66	68.419		
12,200.00	6,800.61	6,400.00	6,324.03	157.32	30.43	-8.17	-958.85	-276.85	4,523.45	4,458.73	64.72	69.895		
12,300.00	6,799.18	6,400.00	6,324.03	160.12	30.43	-8.17	-958.85	-276.85	4,622.74	4,557.96	64.77	71.369		
12,400.00	6,797.76	6,400.00	6,324.03	162.92	30.43	-8.17	-958.85	-276.85	4,722.05	4,657.22	64.83	72.841		
12,500.00	6,796.34	6,400.00	6,324.03	165.72	30.43	-8.17	-958.85	-276.85	4,821.39	4,756.51	64.88	74.310		
12,600.00	6,794.92	6,400.00	6,324.03	168.53	30.43	-8.17	-958.85	-276.85	4,920.76	4,855.83	64.94	75.776		
12,700.00	6,793.49	6,400.00	6,324.03	171.33	30.43	-8.17	-958.85	-276.85	5,020.16	4,955.16	64.99	77.240		
12,800.00	6,792.07	6,400.00	6,324.03	174.14	30.43	-8.17	-958.85	-276.85	5,119.58	5,054.52	65.05	78.700		
12,900.00	6,790.65	6,400.00	6,324.03	176.95	30.43	-8.17	-958.85	-276.85	5,219.02	5,153.91	65.11	80.158		
13,000.00	6,789.22	6,400.00	6,324.03	179.76	30.43	-8.17	-958.85	-276.85	5,318.48	5,253.31	65.17	81.613		
13,100.00	6,787.80	6,400.00	6,324.03	182.57	30.43	-8.17	-958.85	-276.85	5,417.96	5,352.73	65.23	83.065		
13,200.00	6,786.38	6,400.00	6,324.03	185.38	30.43	-8.17	-958.85	-276.85	5,517.46	5,452.17	65.29	84.513		
13,300.00	6,784.95	6,400.00	6,324.03	188.20	30.43	-8.17	-958.85	-276.85	5,616.98	5,551.63	65.35	85.958		
13,400.00	6,783.53	6,400.00	6,324.03	191.01	30.43	-8.17	-958.85	-276.85	5,716.51	5,651.11	65.41	87.400		
13,500.00	6,782.11	6,400.00	6,324.03	193.83	30.43	-8.17	-958.85	-276.85	5,816.06	5,750.59	65.47	88.839		
13,600.00	6,780.68	6,400.00	6,324.03	196.65	30.43	-8.17	-958.85	-276.85	5,915.63	5,850.10	65.53	90.274		
13,700.00	6,779.26	6,400.00	6,324.03	199.47	30.43	-8.17	-958.85	-276.85	6,015.21	5,949.62	65.59	91.706		
13,800.00	6,777.84	6,400.00	6,324.03	202.29	30.43	-8.17	-958.85	-276.85	6,114.80	6,049.15	65.66	93.134		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	6,400.00	6,324.03	205.11	30.43	-8.17	-958.85	-276.85	6,214.41	6,148.69	65.72	94.558		
14,000.00	6,774.99	6,400.00	6,324.03	207.93	30.43	-8.17	-958.85	-276.85	6,314.03	6,248.24	65.79	95.979		
14,100.00	6,773.57	6,400.00	6,324.03	210.76	30.43	-8.17	-958.85	-276.85	6,413.66	6,347.81	65.85	97.396		
14,200.00	6,772.15	6,400.00	6,324.03	213.58	30.43	-8.17	-958.85	-276.85	6,513.30	6,447.38	65.92	98.809		
14,300.00	6,770.72	6,400.00	6,324.03	216.40	30.43	-8.17	-958.85	-276.85	6,612.96	6,546.97	65.99	100.219		
14,400.00	6,769.30	6,400.00	6,324.03	219.23	30.43	-8.17	-958.85	-276.85	6,712.62	6,646.57	66.05	101.624		
14,500.00	6,767.88	6,400.00	6,324.03	222.06	30.43	-8.17	-958.85	-276.85	6,812.29	6,746.17	66.12	103.026		
14,600.00	6,766.45	6,400.00	6,324.03	224.89	30.43	-8.17	-958.85	-276.85	6,911.97	6,845.78	66.19	104.423		
14,700.00	6,765.03	6,400.00	6,324.03	227.71	30.43	-8.17	-958.85	-276.85	7,011.67	6,945.40	66.26	105.817		
14,800.00	6,763.61	6,400.00	6,324.03	230.54	30.43	-8.17	-958.85	-276.85	7,111.37	7,045.03	66.33	107.207		
14,900.00	6,762.19	6,400.00	6,324.03	233.37	30.43	-8.17	-958.85	-276.85	7,211.08	7,144.67	66.40	108.592		
15,000.00	6,760.76	6,400.00	6,324.03	236.20	30.43	-8.17	-958.85	-276.85	7,310.79	7,244.32	66.48	109.974		
15,100.00	6,759.34	6,400.00	6,324.03	239.03	30.43	-8.17	-958.85	-276.85	7,410.52	7,343.97	66.55	111.351		
15,200.00	6,757.92	6,400.00	6,324.03	241.86	30.43	-8.17	-958.85	-276.85	7,510.25	7,443.62	66.62	112.724		
15,300.00	6,756.49	6,376.79	6,301.16	244.70	30.33	-7.49	-955.30	-278.58	7,609.53	7,542.90	66.63	114.202		
15,334.64	6,756.00	6,376.60	6,300.97	245.68	30.33	-7.48	-955.28	-278.59	7,644.07	7,577.41	66.66	114.677		
15,335.52	6,755.99	6,376.59	6,300.96	245.70	30.33	-7.48	-955.27	-278.59	7,644.95	7,578.29	66.66	114.689		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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 CC, ES		
300.00	300.00	296.81	296.79	3.44	3.44	6.07	120.66	12.84	121.38	114.49	6.89	17.613		
400.00	399.98	393.38	393.23	3.60	3.59	-123.20	124.14	16.27	126.33	119.12	7.21	17.517		
500.00	499.84	489.44	488.94	3.79	3.79	-122.73	129.91	21.93	135.86	128.24	7.62	17.824		
600.00	599.45	584.67	583.52	4.03	4.02	-122.57	137.88	29.77	149.90	141.79	8.11	18.481		
700.00	698.70	678.80	676.57	4.30	4.28	-122.64	147.95	39.68	168.38	159.72	8.66	19.439		
785.00	782.69	757.74	754.22	4.56	4.53	-122.80	158.08	49.64	187.54	178.37	9.17	20.449		
800.00	797.47	771.56	767.77	4.60	4.57	-122.88	160.01	51.54	191.22	181.96	9.27	20.638		
900.00	896.04	865.72	859.84	4.94	4.89	-123.17	174.11	65.41	216.89	206.99	9.89	21.928		
1,000.00	994.61	962.29	954.17	5.30	5.23	-123.35	188.84	79.89	242.85	232.29	10.56	22.992		
1,100.00	1,093.18	1,058.86	1,048.50	5.69	5.61	-123.49	203.57	94.37	268.82	257.55	11.27	23.854		
1,200.00	1,191.75	1,155.43	1,142.84	6.08	5.99	-123.61	218.29	108.85	294.79	282.79	12.01	24.550		
1,300.00	1,290.32	1,251.99	1,237.17	6.49	6.39	-123.71	233.02	123.33	320.77	307.99	12.77	25.115		
1,400.00	1,388.89	1,348.56	1,331.50	6.91	6.80	-123.79	247.74	137.81	346.74	333.18	13.56	25.576		
1,500.00	1,487.46	1,445.13	1,425.83	7.34	7.22	-123.86	262.47	152.30	372.71	358.35	14.36	25.955		
1,600.00	1,586.03	1,541.69	1,520.17	7.77	7.65	-123.93	277.20	166.78	398.69	383.51	15.18	26.267		
1,700.00	1,684.61	1,638.26	1,614.50	8.22	8.09	-123.98	291.92	181.26	424.66	408.65	16.01	26.527		
1,800.00	1,783.18	1,734.83	1,708.83	8.66	8.52	-124.03	306.65	195.74	450.63	433.78	16.85	26.743		
1,900.00	1,881.75	1,831.40	1,803.16	9.11	8.97	-124.07	321.38	210.22	476.61	458.91	17.70	26.925		
2,000.00	1,980.32	1,927.96	1,897.50	9.57	9.41	-124.11	336.10	224.71	502.58	484.02	18.56	27.079		
2,100.00	2,078.89	2,024.53	1,991.83	10.02	9.86	-124.15	350.83	239.19	528.56	509.13	19.43	27.209		
2,200.00	2,177.46	2,121.10	2,086.16	10.49	10.32	-124.18	365.56	253.67	554.53	534.24	20.30	27.320		
2,300.00	2,276.03	2,217.66	2,180.49	10.95	10.77	-124.21	380.28	268.15	580.51	559.33	21.17	27.415		
2,400.00	2,374.60	2,314.23	2,274.83	11.41	11.23	-124.23	395.01	282.63	606.49	584.43	22.06	27.497		
2,500.00	2,473.17	2,410.80	2,369.16	11.88	11.69	-124.26	409.74	297.11	632.46	609.52	22.94	27.568		
2,600.00	2,571.74	2,507.37	2,463.49	12.35	12.15	-124.28	424.46	311.60	658.44	634.60	23.83	27.629		
2,700.00	2,670.31	2,603.93	2,557.82	12.82	12.61	-124.30	439.19	326.08	684.41	659.69	24.72	27.682		
2,800.00	2,768.88	2,700.50	2,652.16	13.29	13.08	-124.32	453.92	340.56	710.39	684.77	25.62	27.728		
2,900.00	2,867.45	2,802.93	2,746.49	13.76	13.57	-124.34	468.64	355.04	736.36	709.82	26.55	27.739		
3,000.00	2,966.02	2,906.37	2,840.82	14.24	14.07	-124.35	483.37	369.52	762.34	734.86	27.48	27.742		
3,100.00	3,064.59	3,009.80	2,935.15	14.71	14.57	-124.37	498.09	384.00	788.32	759.90	28.41	27.743		
3,200.00	3,163.16	3,086.77	3,029.48	15.19	14.95	-124.38	512.82	398.49	814.29	785.07	29.23	27.861		
3,300.00	3,261.73	3,183.33	3,123.82	15.66	15.41	-124.40	527.55	412.97	840.27	810.14	30.13	27.885		
3,400.00	3,360.30	3,279.90	3,218.15	16.14	15.88	-124.41	542.27	427.45	866.24	835.20	31.04	27.906		
3,500.00	3,458.87	3,376.47	3,312.48	16.62	16.36	-124.42	557.00	441.93	892.22	860.27	31.95	27.924		
3,600.00	3,557.44	3,473.04	3,406.81	17.10	16.83	-124.43	571.73	456.41	918.20	885.34	32.86	27.941		
3,700.00	3,656.01	3,569.60	3,501.15	17.58	17.30	-124.44	586.45	470.89	944.17	910.40	33.77	27.955		
3,800.00	3,754.58	3,666.17	3,595.48	18.06	17.77	-124.45	601.18	485.38	970.15	935.46	34.69	27.968		
3,900.00	3,853.15	3,762.74	3,689.81	18.54	18.24	-124.46	615.91	499.86	996.13	960.52	35.60	27.979		
4,000.00	3,951.72	3,859.30	3,784.14	19.02	18.72	-124.47	630.63	514.34	1,022.10	985.58	36.52	27.989		
4,100.00	4,050.29	3,955.87	3,878.48	19.50	19.19	-124.48	645.36	528.82	1,048.08	1,010.64	37.43	27.998		
4,200.00	4,148.86	4,052.44	3,972.81	19.98	19.67	-124.49	660.09	543.30	1,074.06	1,035.70	38.35	28.005		
4,300.00	4,247.43	4,149.01	4,067.14	20.46	20.14	-124.50	674.81	557.79	1,100.03	1,060.76	39.27	28.012		
4,400.00	4,346.00	4,245.57	4,161.47	20.94	20.61	-124.51	689.54	572.27	1,126.01	1,085.82	40.19	28.018		
4,500.00	4,444.58	4,342.14	4,255.81	21.43	21.09	-124.51	704.27	586.75	1,151.99	1,110.88	41.11	28.023		
4,600.00	4,543.15	4,438.71	4,350.14	21.91	21.57	-124.52	718.99	601.23	1,177.96	1,135.93	42.03	28.028		
4,700.00	4,641.72	4,535.27	4,444.47	22.39	22.04	-124.53	733.72	615.71	1,203.94	1,160.99	42.95	28.032		
4,800.00	4,740.29	4,631.84	4,538.80	22.87	22.52	-124.53	748.44	630.19	1,229.91	1,186.04	43.87	28.035		
4,900.00	4,838.86	4,728.41	4,633.14	23.36	22.99	-124.54	763.17	644.68	1,255.89	1,211.10	44.79	28.038		
5,000.00	4,937.43	4,824.98	4,727.47	23.84	23.47	-124.54	777.90	659.16	1,281.87	1,236.15	45.71	28.041		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	4,921.54	4,821.80	24.32	23.95	-124.55	792.62	673.64	1,307.84	1,261.21	46.64	28.043		
5,200.00	5,134.57	5,018.11	4,916.13	24.81	24.42	-124.56	807.35	688.12	1,333.82	1,286.26	47.56	28.044		
5,300.00	5,233.14	5,114.68	5,010.47	25.29	24.90	-124.56	822.08	702.60	1,359.80	1,311.31	48.49	28.046		
5,400.00	5,331.71	5,211.24	5,104.80	25.78	25.38	-124.57	836.80	717.08	1,385.77	1,336.37	49.41	28.047		
5,500.00	5,430.28	5,307.81	5,199.13	26.26	25.85	-124.57	851.53	731.57	1,411.75	1,361.42	50.33	28.048		
5,600.00	5,528.85	5,404.38	5,293.46	26.75	26.33	-124.57	866.26	746.05	1,437.73	1,386.47	51.26	28.048		
5,700.00	5,627.42	5,500.95	5,387.80	27.23	26.81	-124.58	880.98	760.53	1,463.70	1,411.52	52.18	28.049		
5,800.00	5,725.99	5,597.51	5,482.13	27.72	27.29	-124.58	895.71	775.01	1,489.68	1,436.57	53.11	28.049		
5,900.00	5,824.56	5,705.92	5,576.46	28.20	27.82	-124.59	910.44	789.49	1,515.66	1,461.56	54.09	28.019		
6,000.00	5,923.13	5,790.65	5,670.79	28.69	28.24	-124.59	925.16	803.98	1,541.63	1,486.67	54.96	28.049		
6,100.00	6,021.70	5,887.21	5,765.13	29.17	28.72	-124.60	939.89	818.46	1,567.61	1,511.72	55.89	28.048		
6,200.00	6,120.27	5,983.78	5,859.46	29.66	29.20	-124.60	954.61	832.94	1,593.59	1,536.77	56.82	28.048		
6,238.51	6,158.23	6,020.97	5,895.79	29.84	29.38	-124.60	960.29	838.52	1,603.59	1,546.42	57.17	28.048		
6,250.00	6,169.57	6,032.06	5,906.62	29.90	29.44	-129.29	961.98	840.18	1,606.59	1,549.31	57.28	28.048		
6,300.00	6,219.12	6,080.15	5,953.60	30.13	29.68	-159.38	969.31	847.39	1,619.93	1,562.20	57.73	28.061		
6,350.00	6,268.78	6,127.75	6,000.10	30.33	29.91	161.87	976.57	854.53	1,633.69	1,575.54	58.16	28.091		
6,400.00	6,318.25	6,174.56	6,045.82	30.52	30.15	136.13	983.71	861.55	1,647.85	1,589.29	58.57	28.135		
6,450.00	6,367.22	6,220.28	6,090.49	30.69	30.37	122.54	990.68	868.41	1,662.39	1,603.42	58.97	28.191		
6,500.00	6,415.39	6,264.65	6,133.83	30.86	30.59	114.71	997.45	875.06	1,677.30	1,617.94	59.36	28.257		
6,550.00	6,462.47	6,307.38	6,175.57	31.02	30.80	109.63	1,003.96	881.47	1,692.60	1,632.86	59.74	28.332		
6,600.00	6,508.16	6,348.21	6,215.45	31.18	31.01	106.02	1,010.19	887.59	1,708.33	1,648.21	60.12	28.416		
6,650.00	6,552.18	6,386.89	6,253.24	31.34	31.20	103.25	1,016.09	893.39	1,724.51	1,664.02	60.49	28.510		
6,700.00	6,594.26	6,423.18	6,288.69	31.51	31.38	100.99	1,021.62	898.83	1,741.19	1,680.34	60.85	28.614		
6,750.00	6,634.14	6,456.86	6,321.59	31.68	31.55	99.03	1,026.76	903.88	1,758.41	1,697.19	61.21	28.726		
6,800.00	6,671.58	6,487.72	6,351.73	31.86	31.70	97.25	1,031.46	908.51	1,776.19	1,714.62	61.57	28.847		
6,850.00	6,706.34	6,515.56	6,378.94	32.06	31.84	95.55	1,035.71	912.69	1,794.58	1,732.64	61.93	28.976		
6,900.00	6,738.21	6,560.22	6,422.63	32.27	32.05	94.46	1,042.51	918.87	1,813.54	1,751.06	62.48	29.024		
6,950.00	6,766.99	6,707.38	6,567.83	32.52	32.67	96.20	1,064.29	918.09	1,832.08	1,768.29	63.79	28.719		
7,000.00	6,792.51	6,994.56	6,833.24	32.80	33.71	100.05	1,100.45	821.46	1,848.06	1,782.80	65.25	28.322		
7,050.00	6,814.61	7,498.36	7,110.79	33.12	36.82	100.96	1,126.61	417.57	1,855.92	1,787.84	68.08	27.262		
7,100.00	6,833.15	7,672.85	7,124.71	33.48	38.72	99.11	1,122.03	244.16	1,855.01	1,784.46	70.55	26.292		
7,150.00	6,848.02	7,720.42	7,124.30	33.89	39.33	98.59	1,120.14	196.62	1,853.95	1,782.22	71.73	25.846		
7,200.00	6,859.13	7,769.05	7,123.87	34.35	39.98	98.20	1,118.21	148.03	1,853.12	1,780.15	72.97	25.395		
7,250.00	6,866.40	7,818.44	7,123.44	34.86	40.67	97.95	1,116.25	98.69	1,852.46	1,778.19	74.27	24.944		
7,300.00	6,869.79	7,868.28	7,123.00	35.40	41.42	97.85	1,114.27	48.89	1,851.90	1,776.28	75.62	24.490		
7,327.68	6,870.00	7,904.05	7,122.76	35.71	41.97	97.85	1,113.17	21.23	1,851.64	1,775.14	76.50	24.205		
7,400.00	6,868.97	7,968.27	7,122.12	36.61	43.02	97.87	1,110.29	-51.02	1,850.98	1,772.50	78.48	23.584		
7,500.00	6,867.54	8,068.26	7,121.24	38.01	44.74	97.89	1,106.32	-150.93	1,850.07	1,768.44	81.63	22.663		
7,600.00	6,866.12	8,168.26	7,120.37	39.58	46.57	97.91	1,102.35	-250.84	1,849.16	1,764.12	85.04	21.743		
7,700.00	6,864.69	8,268.25	7,119.49	41.29	48.51	97.93	1,098.38	-350.75	1,848.25	1,759.57	88.68	20.841		
7,800.00	6,863.27	8,368.24	7,118.61	43.12	50.53	97.95	1,094.40	-450.66	1,847.35	1,754.82	92.52	19.966		
7,900.00	6,861.85	8,468.24	7,117.74	45.06	52.62	97.97	1,090.43	-550.57	1,846.44	1,749.90	96.54	19.126		
8,000.00	6,860.42	8,568.23	7,116.86	47.10	54.79	98.00	1,086.46	-650.48	1,845.53	1,744.82	100.71	18.325		
8,100.00	6,859.00	8,668.22	7,115.98	49.21	57.01	98.02	1,082.48	-750.39	1,844.63	1,739.61	105.02	17.565		
8,200.00	6,857.57	8,768.22	7,115.10	51.40	59.29	98.04	1,078.51	-850.30	1,843.72	1,734.27	109.45	16.845		
8,300.00	6,856.15	8,868.21	7,114.23	53.65	61.61	98.06	1,074.54	-950.22	1,842.81	1,728.83	113.98	16.167		
8,400.00	6,854.72	8,968.20	7,113.35	55.96	63.98	98.08	1,070.57	-1,050.13	1,841.91	1,723.29	118.61	15.529		
8,500.00	6,853.30	9,068.20	7,112.47	58.31	66.38	98.10	1,066.59	-1,150.04	1,841.00	1,717.67	123.33	14.928		
8,600.00	6,851.88	9,168.19	7,111.59	60.70	68.82	98.12	1,062.62	-1,249.95	1,840.10	1,711.98	128.11	14.363		
8,700.00	6,850.45	9,268.18	7,110.72	63.14	71.29	98.14	1,058.65	-1,349.86	1,839.19	1,706.22	132.97	13.832		
8,800.00	6,849.03	9,368.18	7,109.84	65.60	73.78	98.17	1,054.67	-1,449.77	1,838.28	1,700.41	137.88	13.333		
8,900.00	6,847.60	9,468.17	7,108.96	68.10	76.30	98.19	1,050.70	-1,549.68	1,837.38	1,694.54	142.84	12.863		

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 34N-6A-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 34N-6A-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	6,846.18	9,568.17	7,108.08	70.62	78.84	98.21	1,046.73	-1,649.59	1,836.48	1,688.62	147.85	12.421		
9,100.00	6,844.75	9,668.16	7,107.21	73.17	81.40	98.23	1,042.75	-1,749.50	1,835.57	1,682.67	152.90	12.005		
9,200.00	6,843.33	9,768.15	7,106.33	75.73	83.98	98.25	1,038.78	-1,849.41	1,834.67	1,676.67	158.00	11.612		
9,300.00	6,841.91	9,868.15	7,105.45	78.32	86.57	98.27	1,034.81	-1,949.32	1,833.76	1,670.64	163.12	11.242		
9,400.00	6,840.48	9,968.14	7,104.58	80.92	89.18	98.29	1,030.84	-2,049.23	1,832.86	1,664.58	168.28	10.892		
9,500.00	6,839.06	10,068.13	7,103.70	83.54	91.81	98.31	1,026.86	-2,149.14	1,831.96	1,658.49	173.46	10.561		
9,600.00	6,837.63	10,168.13	7,102.82	86.18	94.44	98.34	1,022.89	-2,249.06	1,831.05	1,652.38	178.68	10.248		
9,700.00	6,836.21	10,268.12	7,101.94	88.82	97.09	98.36	1,018.92	-2,348.97	1,830.15	1,646.24	183.91	9.951		
9,800.00	6,834.78	10,368.11	7,101.07	91.48	99.75	98.38	1,014.94	-2,448.88	1,829.25	1,640.08	189.17	9.670		
9,900.00	6,833.36	10,468.11	7,100.19	94.15	102.42	98.40	1,010.97	-2,548.79	1,828.35	1,633.90	194.44	9.403		
10,000.00	6,831.94	10,568.10	7,099.31	96.83	105.09	98.42	1,007.00	-2,648.70	1,827.44	1,627.70	199.74	9.149		
10,100.00	6,830.51	10,668.09	7,098.43	99.52	107.78	98.44	1,003.02	-2,748.61	1,826.54	1,621.49	205.05	8.908		
10,200.00	6,829.09	10,768.09	7,097.56	102.22	110.47	98.46	999.05	-2,848.52	1,825.64	1,615.26	210.38	8.678		
10,300.00	6,827.66	10,868.08	7,096.68	104.92	113.17	98.49	995.08	-2,948.43	1,824.74	1,609.02	215.72	8.459		
10,400.00	6,826.24	10,968.08	7,095.80	107.63	115.88	98.51	991.11	-3,048.34	1,823.84	1,602.77	221.07	8.250		
10,500.00	6,824.81	11,068.07	7,094.92	110.35	118.59	98.53	987.13	-3,148.25	1,822.94	1,596.50	226.44	8.050		
10,600.00	6,823.39	11,168.06	7,094.05	113.08	121.31	98.55	983.16	-3,248.16	1,822.04	1,590.22	231.82	7.860		
10,700.00	6,821.96	11,268.06	7,093.17	115.81	124.04	98.57	979.19	-3,348.07	1,821.14	1,583.93	237.21	7.677		
10,800.00	6,820.54	11,368.05	7,092.29	118.54	126.77	98.59	975.21	-3,447.98	1,820.24	1,577.63	242.60	7.503		
10,900.00	6,819.12	11,468.04	7,091.42	121.29	129.50	98.62	971.24	-3,547.90	1,819.34	1,571.33	248.01	7.336		
11,000.00	6,817.69	11,568.04	7,090.54	124.03	132.24	98.64	967.27	-3,647.81	1,818.44	1,565.01	253.43	7.175		
11,100.00	6,816.27	11,668.03	7,089.66	126.78	134.98	98.66	963.29	-3,747.72	1,817.54	1,558.69	258.85	7.022		
11,200.00	6,814.84	11,768.02	7,088.78	129.54	137.73	98.68	959.32	-3,847.63	1,816.64	1,552.36	264.28	6.874		
11,300.00	6,813.42	11,868.02	7,087.91	132.29	140.48	98.70	955.35	-3,947.54	1,815.74	1,546.03	269.72	6.732		
11,400.00	6,811.99	11,968.01	7,087.03	135.05	143.24	98.73	951.38	-4,047.45	1,814.84	1,539.68	275.16	6.596		
11,500.00	6,810.57	12,068.00	7,086.15	137.82	145.99	98.75	947.40	-4,147.36	1,813.95	1,533.34	280.61	6.464		
11,534.42	6,810.08	12,102.43	7,085.85	138.77	146.94	98.75	946.03	-4,181.75	1,813.64	1,531.15	282.49	6.420		
11,600.00	6,809.15	12,167.99	7,085.27	140.59	148.75	98.80	943.43	-4,247.26	1,812.31	1,526.24	286.06	6.335		
11,645.35	6,808.50	12,213.30	7,084.88	141.85	150.01	98.83	941.63	-4,292.54	1,810.52	1,521.98	288.54	6.275		
11,700.00	6,807.72	12,267.88	7,084.40	143.37	151.51	98.85	939.46	-4,347.07	1,807.94	1,516.42	291.52	6.202		
11,800.00	6,806.30	12,367.76	7,083.52	146.16	154.28	98.89	935.49	-4,446.87	1,803.22	1,506.24	296.97	6.072		
11,900.00	6,804.88	12,467.64	7,082.64	148.94	157.04	98.93	931.52	-4,546.67	1,798.50	1,496.06	302.44	5.947		
12,000.00	6,803.45	12,567.52	7,081.77	151.74	159.81	98.98	927.56	-4,646.46	1,793.78	1,485.88	307.90	5.826		
12,100.00	6,802.03	12,667.40	7,080.89	154.53	162.58	99.02	923.59	-4,746.26	1,789.06	1,475.69	313.37	5.709		
12,200.00	6,800.61	12,767.28	7,080.02	157.32	165.36	99.06	919.62	-4,846.06	1,784.34	1,465.50	318.84	5.596		
12,300.00	6,799.18	12,867.16	7,079.14	160.12	168.13	99.10	915.65	-4,945.86	1,779.62	1,455.31	324.31	5.487		
12,400.00	6,797.76	12,967.04	7,078.26	162.92	170.91	99.14	911.68	-5,045.65	1,774.91	1,445.12	329.79	5.382		
12,500.00	6,796.34	13,066.92	7,077.39	165.72	173.69	99.19	907.71	-5,145.45	1,770.19	1,434.92	335.27	5.280		
12,600.00	6,794.92	13,166.80	7,076.51	168.53	176.47	99.23	903.74	-5,245.25	1,765.48	1,424.73	340.75	5.181		
12,700.00	6,793.49	13,266.68	7,075.63	171.33	179.25	99.27	899.78	-5,345.05	1,760.77	1,414.53	346.23	5.085		
12,800.00	6,792.07	13,366.56	7,074.76	174.14	182.04	99.31	895.81	-5,444.84	1,756.05	1,404.34	351.72	4.993		
12,900.00	6,790.65	13,466.44	7,073.88	176.95	184.82	99.36	891.84	-5,544.64	1,751.34	1,394.14	357.20	4.903		
13,000.00	6,789.22	13,566.32	7,073.00	179.76	187.61	99.40	887.87	-5,644.44	1,746.63	1,383.94	362.69	4.816		
13,100.00	6,787.80	13,666.20	7,072.13	182.57	190.40	99.44	883.90	-5,744.24	1,741.92	1,373.74	368.18	4.731		
13,200.00	6,786.38	13,766.08	7,071.25	185.38	193.19	99.49	879.93	-5,844.03	1,737.22	1,363.55	373.67	4.649		
13,300.00	6,784.95	13,865.96	7,070.38	188.20	195.98	99.53	875.97	-5,943.83	1,732.51	1,353.35	379.16	4.569		
13,400.00	6,783.53	13,965.84	7,069.50	191.01	198.78	99.58	872.00	-6,043.63	1,727.80	1,343.15	384.65	4.492		
13,500.00	6,782.11	14,065.72	7,068.62	193.83	201.57	99.62	868.03	-6,143.43	1,723.10	1,332.96	390.14	4.417		
13,600.00	6,780.68	14,165.60	7,067.75	196.65	204.37	99.67	864.06	-6,243.22	1,718.39	1,322.76	395.64	4.343		
13,700.00	6,779.26	14,265.48	7,066.87	199.47	207.16	99.71	860.09	-6,343.02	1,713.69	1,312.56	401.13	4.272		
13,800.00	6,777.84	14,365.36	7,065.99	202.29	209.96	99.76	856.12	-6,442.82	1,708.99	1,302.37	406.62	4.203		
13,900.00	6,776.42	14,465.25	7,065.12	205.11	212.76	99.80	852.15	-6,542.62	1,704.29	1,292.18	412.11	4.135		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,774.99	14,565.13	7,064.24	207.93	215.56	99.85	848.19	-6,642.41	1,699.59	1,281.98	417.61	4.070		
14,100.00	6,773.57	14,665.01	7,063.37	210.76	218.36	99.90	844.22	-6,742.21	1,694.89	1,271.79	423.10	4.006		
14,200.00	6,772.15	14,764.89	7,062.49	213.58	221.16	99.94	840.25	-6,842.01	1,690.19	1,261.60	428.59	3.944		
14,300.00	6,770.72	14,864.77	7,061.61	216.40	223.96	99.99	836.28	-6,941.81	1,685.50	1,251.41	434.09	3.883		
14,400.00	6,769.30	14,964.65	7,060.74	219.23	226.77	100.04	832.31	-7,041.60	1,680.80	1,241.23	439.58	3.824		
14,500.00	6,767.88	15,064.53	7,059.86	222.06	229.57	100.08	828.34	-7,141.40	1,676.11	1,231.04	445.07	3.766		
14,600.00	6,766.45	15,164.41	7,058.98	224.89	232.38	100.13	824.38	-7,241.20	1,671.42	1,220.86	450.56	3.710		
14,700.00	6,765.03	15,264.29	7,058.11	227.71	235.18	100.18	820.41	-7,341.00	1,666.73	1,210.67	456.05	3.655		
14,800.00	6,763.61	15,364.17	7,057.23	230.54	237.99	100.23	816.44	-7,440.79	1,662.04	1,200.49	461.54	3.601		
14,900.00	6,762.19	15,464.05	7,056.35	233.37	240.80	100.28	812.47	-7,540.59	1,657.35	1,190.32	467.03	3.549		
15,000.00	6,760.76	15,563.93	7,055.48	236.20	243.61	100.32	808.50	-7,640.39	1,652.66	1,180.14	472.52	3.498		
15,100.00	6,759.34	15,663.81	7,054.60	239.03	246.41	100.37	804.53	-7,740.19	1,647.97	1,169.97	478.01	3.448		
15,200.00	6,757.92	15,763.69	7,053.73	241.86	249.22	100.42	800.56	-7,839.98	1,643.29	1,159.79	483.49	3.399		
15,300.00	6,756.49	15,863.57	7,053.00	244.70	251.55	100.46	797.28	-7,922.58	1,638.69	1,150.16	488.53	3.354		
15,334.64	6,756.00	15,846.35	7,053.00	245.68	251.55	100.46	797.28	-7,922.58	1,637.80	1,148.42	489.38	3.347		
15,335.52	6,755.99	15,846.35	7,053.00	245.70	251.55	100.46	797.28	-7,922.58	1,637.79	1,148.38	489.40	3.347 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
300.00	300.00	300.00	300.00	3.44	3.44	5.56	134.43	13.08	135.06	128.17	6.89	19.603 CC, ES		
400.00	399.98	395.82	395.81	3.60	3.60	-124.80	135.81	13.89	137.57	130.37	7.20	19.106		
500.00	499.84	491.26	491.12	3.79	3.79	-125.50	139.95	16.29	145.12	137.51	7.60	19.083		
600.00	599.45	586.18	585.71	4.03	4.02	-126.50	146.75	20.30	157.67	149.59	8.09	19.499		
700.00	698.70	680.51	679.40	4.30	4.28	-127.47	155.82	26.33	174.92	166.29	8.63	20.271		
785.00	782.69	759.73	757.78	4.56	4.51	-128.19	165.15	33.04	193.15	184.02	9.13	21.157		
800.00	797.47	773.61	771.48	4.60	4.56	-128.35	166.94	34.37	196.68	187.45	9.22	21.326		
900.00	896.04	865.59	861.96	4.94	4.86	-128.98	180.03	44.37	221.54	211.69	9.85	22.502		
1,000.00	994.61	956.49	950.83	5.30	5.17	-129.00	195.01	56.22	248.63	238.14	10.49	23.691		
1,100.00	1,093.18	1,046.58	1,038.27	5.69	5.51	-128.59	211.85	69.91	277.90	266.73	11.17	24.878		
1,200.00	1,191.75	1,141.87	1,130.44	6.08	5.89	-128.06	230.54	85.24	308.12	296.23	11.89	25.913		
1,300.00	1,290.32	1,237.16	1,222.61	6.49	6.28	-127.63	249.23	100.58	338.36	325.72	12.64	26.772		
1,400.00	1,388.89	1,332.45	1,314.78	6.91	6.70	-127.26	267.93	115.92	368.62	355.21	13.41	27.487		
1,500.00	1,487.46	1,427.74	1,406.95	7.34	7.12	-126.96	286.62	131.26	398.88	384.68	14.20	28.086		
1,600.00	1,586.03	1,523.03	1,499.12	7.77	7.55	-126.69	305.31	146.60	429.16	414.15	15.01	28.591		
1,700.00	1,684.61	1,618.32	1,591.29	8.22	7.99	-126.46	324.00	161.94	459.44	443.61	15.83	29.019		
1,800.00	1,783.18	1,713.61	1,683.46	8.66	8.44	-126.26	342.70	177.27	489.73	473.06	16.67	29.384		
1,900.00	1,881.75	1,808.90	1,775.63	9.11	8.89	-126.09	361.39	192.61	520.03	502.51	17.51	29.697		
2,000.00	1,980.32	1,904.19	1,867.80	9.57	9.34	-125.93	380.08	207.95	550.32	531.96	18.36	29.966		
2,100.00	2,078.89	2,000.52	1,959.98	10.02	9.81	-125.79	398.78	223.29	580.62	561.39	19.23	30.192		
2,200.00	2,177.46	2,105.23	2,052.15	10.49	10.32	-125.66	417.47	238.63	610.93	590.78	20.14	30.329		
2,300.00	2,276.03	2,209.94	2,144.32	10.95	10.83	-125.54	436.16	253.97	641.23	620.17	21.06	30.445		
2,400.00	2,374.60	2,285.35	2,236.49	11.41	11.21	-125.44	454.86	269.30	671.54	649.70	21.85	30.738		
2,500.00	2,473.17	2,380.63	2,328.66	11.88	11.68	-125.34	473.55	284.64	701.85	679.12	22.73	30.877		
2,600.00	2,571.74	2,475.92	2,420.83	12.35	12.15	-125.25	492.24	299.98	732.17	708.55	23.62	30.999		
2,700.00	2,670.31	2,571.21	2,513.00	12.82	12.63	-125.17	510.94	315.32	762.48	737.97	24.51	31.109		
2,800.00	2,768.88	2,666.50	2,605.17	13.29	13.10	-125.10	529.63	330.66	792.79	767.39	25.40	31.206		
2,900.00	2,867.45	2,761.79	2,697.34	13.76	13.58	-125.03	548.32	346.00	823.11	796.81	26.30	31.294		
3,000.00	2,966.02	2,857.08	2,789.51	14.24	14.06	-124.97	567.01	361.33	853.43	826.22	27.20	31.373		
3,100.00	3,064.59	2,952.37	2,881.68	14.71	14.55	-124.91	585.71	376.67	883.74	855.64	28.11	31.444		
3,200.00	3,163.16	3,047.66	2,973.85	15.19	15.03	-124.85	604.40	392.01	914.06	885.05	29.01	31.508		
3,300.00	3,261.73	3,142.95	3,066.02	15.66	15.51	-124.80	623.09	407.35	944.38	914.47	29.92	31.567		
3,400.00	3,360.30	3,238.24	3,158.19	16.14	16.00	-124.75	641.79	422.69	974.70	943.88	30.83	31.620		
3,500.00	3,458.87	3,333.53	3,250.36	16.62	16.48	-124.70	660.48	438.03	1,005.02	973.29	31.74	31.668		
3,600.00	3,557.44	3,428.82	3,342.53	17.10	16.97	-124.66	679.17	453.36	1,035.34	1,002.70	32.65	31.713		
3,700.00	3,656.01	3,524.11	3,434.70	17.58	17.46	-124.62	697.87	468.70	1,065.67	1,032.11	33.56	31.753		
3,800.00	3,754.58	3,619.40	3,526.87	18.06	17.94	-124.58	716.56	484.04	1,095.99	1,061.51	34.48	31.790		
3,900.00	3,853.15	3,714.69	3,619.04	18.54	18.43	-124.54	735.25	499.38	1,126.31	1,090.92	35.39	31.825		
4,000.00	3,951.72	3,809.98	3,711.21	19.02	18.92	-124.51	753.95	514.72	1,156.63	1,120.33	36.31	31.856		
4,100.00	4,050.29	3,905.27	3,803.38	19.50	19.41	-124.47	772.64	530.05	1,186.96	1,149.73	37.23	31.886		
4,200.00	4,148.86	4,000.56	3,895.55	19.98	19.90	-124.44	791.33	545.39	1,217.28	1,179.14	38.14	31.912		
4,300.00	4,247.43	4,104.16	3,987.72	20.46	20.43	-124.41	810.02	560.73	1,247.61	1,208.50	39.11	31.904		
4,400.00	4,346.00	4,208.87	4,079.89	20.94	20.97	-124.39	828.72	576.07	1,277.93	1,237.86	40.07	31.890		
4,500.00	4,444.58	4,286.42	4,172.06	21.43	21.37	-124.36	847.41	591.41	1,308.25	1,267.35	40.91	31.982		
4,600.00	4,543.15	4,381.71	4,264.24	21.91	21.86	-124.33	866.10	606.75	1,338.58	1,296.75	41.83	32.002		
4,700.00	4,641.72	4,477.00	4,356.41	22.39	22.35	-124.31	884.80	622.08	1,368.90	1,326.15	42.75	32.021		
4,800.00	4,740.29	4,572.29	4,448.58	22.87	22.84	-124.28	903.49	637.42	1,399.23	1,355.56	43.67	32.038		
4,900.00	4,838.86	4,667.58	4,540.75	23.36	23.33	-124.26	922.18	652.76	1,429.56	1,384.96	44.60	32.055		
5,000.00	4,937.43	4,762.87	4,632.92	23.84	23.83	-124.24	940.88	668.10	1,459.88	1,414.36	45.52	32.070		

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 34N-6A-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 34N-6A-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	5,036.00	4,858.16	4,725.09	24.32	24.32	-124.22	959.57	683.44	1,490.21	1,443.76	46.45	32.084		
5,200.00	5,134.57	4,953.45	4,817.26	24.81	24.81	-124.20	978.26	698.78	1,520.53	1,473.16	47.37	32.097		
5,300.00	5,233.14	5,048.74	4,909.43	25.29	25.30	-124.18	996.96	714.11	1,550.86	1,502.56	48.30	32.110		
5,400.00	5,331.71	5,144.03	5,001.60	25.78	25.80	-124.16	1,015.65	729.45	1,581.19	1,531.96	49.23	32.121		
5,500.00	5,430.28	5,239.32	5,093.77	26.26	26.29	-124.14	1,034.34	744.79	1,611.51	1,561.36	50.15	32.132		
5,600.00	5,528.85	5,334.61	5,185.94	26.75	26.78	-124.13	1,053.03	760.13	1,641.84	1,590.76	51.08	32.143		
5,700.00	5,627.42	5,429.90	5,278.11	27.23	27.28	-124.11	1,071.73	775.47	1,672.17	1,620.16	52.01	32.152		
5,800.00	5,725.99	5,525.19	5,370.28	27.72	27.77	-124.09	1,090.42	790.81	1,702.49	1,649.56	52.94	32.161		
5,900.00	5,824.56	5,620.48	5,462.45	28.20	28.26	-124.08	1,109.11	806.14	1,732.82	1,678.96	53.86	32.170		
6,000.00	5,923.13	5,715.77	5,554.62	28.69	28.76	-124.06	1,127.81	821.48	1,763.15	1,708.35	54.79	32.178		
6,100.00	6,021.70	5,811.05	5,646.79	29.17	29.25	-124.05	1,146.50	836.82	1,793.47	1,737.75	55.72	32.186		
6,200.00	6,120.27	5,906.34	5,738.96	29.66	29.75	-124.04	1,165.19	852.16	1,823.80	1,767.15	56.65	32.193		
6,238.51	6,158.23	5,943.04	5,774.46	29.84	29.94	-124.03	1,172.39	858.07	1,835.48	1,778.47	57.01	32.195		
6,250.00	6,169.57	5,953.98	5,785.04	29.90	29.99	-128.77	1,174.54	859.83	1,838.98	1,781.86	57.12	32.197		
6,300.00	6,219.12	6,001.40	5,830.91	30.13	30.24	-159.08	1,183.84	867.46	1,854.51	1,796.94	57.57	32.215		
6,350.00	6,268.78	6,048.27	5,876.24	30.33	30.48	161.92	1,193.04	875.00	1,870.48	1,812.49	57.99	32.253		
6,400.00	6,318.25	6,094.30	5,920.77	30.52	30.72	135.91	1,202.07	882.41	1,886.84	1,828.44	58.40	32.307		
6,450.00	6,367.22	6,139.21	5,964.21	30.69	30.96	122.04	1,210.88	889.64	1,903.55	1,844.75	58.80	32.374		
6,500.00	6,415.39	6,182.73	6,006.30	30.86	31.18	113.92	1,219.41	896.65	1,920.58	1,861.40	59.18	32.451		
6,550.00	6,462.47	6,224.57	6,046.78	31.02	31.40	108.56	1,227.62	903.38	1,937.93	1,878.37	59.56	32.537		
6,600.00	6,508.16	6,264.50	6,085.39	31.18	31.61	104.65	1,235.45	909.81	1,955.60	1,895.67	59.93	32.632		
6,650.00	6,552.18	6,302.25	6,121.91	31.34	31.80	101.60	1,242.86	915.89	1,973.59	1,913.30	60.29	32.735		
6,700.00	6,594.26	6,337.60	6,156.11	31.51	31.99	99.05	1,249.79	921.58	1,991.91	1,931.27	60.65	32.845		
6,750.00	6,634.14	6,370.33	6,187.76	31.68	32.16	96.84	1,256.22	926.84	2,010.59	1,949.59	61.00	32.963		
6,800.00	6,671.58	6,406.57	6,222.82	31.86	32.34	94.96	1,263.32	932.62	2,029.61	1,968.21	61.41	33.052		
6,850.00	6,706.34	6,430.34	6,243.89	32.06	32.91	95.24	1,267.26	938.88	2,048.26	1,985.67	62.59	32.723		
6,900.00	6,738.21	6,459.00	6,272.82	32.27	34.20	95.90	1,272.56	945.89	2,067.59	2,004.59	63.65	31.945		
6,950.00	6,766.99	6,487.00	6,300.82	32.52	34.38	97.58	1,277.66	953.36	2,086.28	2,023.02	64.72	31.842		
7,000.00	6,792.51	6,512.00	6,326.34	32.80	34.56	99.26	1,282.76	960.83	2,105.37	2,042.12	65.80	31.739		
7,050.00	6,814.61	6,535.88	6,349.48	33.12	34.73	101.00	1,287.86	968.30	2,126.06	2,062.81	66.88	31.636		
7,100.00	6,833.15	6,555.11	6,368.66	33.48	34.90	102.74	1,292.96	975.77	2,146.75	2,083.50	67.96	31.533		
7,150.00	6,848.02	6,570.69	6,383.92	33.89	35.07	104.48	1,298.06	983.24	2,167.44	2,104.19	69.04	31.430		
7,200.00	6,859.13	6,583.32	6,396.48	34.35	35.24	106.22	1,303.16	990.71	2,188.13	2,124.88	70.12	31.327		
7,250.00	6,866.40	6,592.71	6,403.03	34.86	35.41	107.96	1,308.26	998.18	2,208.82	2,145.57	71.20	31.224		
7,300.00	6,869.79	6,597.55	6,408.58	35.40	35.58	109.70	1,313.36	1,005.65	2,229.51	2,166.26	72.28	31.121		
7,327.68	6,870.00	6,598.22	6,409.32	35.71	35.52	109.00	1,313.36	1,005.65	2,229.51	2,166.26	72.28	31.121		
7,400.00	6,868.97	6,597.53	6,408.66	36.61	35.73	110.01	1,318.46	1,013.12	2,250.20	2,186.95	73.36	31.018		
7,500.00	6,867.54	6,596.51	6,407.65	38.01	35.90	111.02	1,323.56	1,020.88	2,270.89	2,207.64	74.44	30.915		
7,600.00	6,866.12	6,595.50	6,406.64	39.58	36.07	112.03	1,328.66	1,028.64	2,291.58	2,228.33	75.52	30.812		
7,700.00	6,864.69	6,594.48	6,405.62	41.29	36.24	113.04	1,333.76	1,036.40	2,312.27	2,249.02	76.60	30.709		
7,800.00	6,863.27	6,593.47	6,404.61	43.12	36.41	114.05	1,338.86	1,044.16	2,332.96	2,269.71	77.68	30.606		
7,900.00	6,861.85	6,592.45	6,403.59	45.06	36.58	115.06	1,343.96	1,051.92	2,353.65	2,290.40	78.76	30.503		
8,000.00	6,860.42	6,591.44	6,402.58	47.10	36.75	116.07	1,349.06	1,059.68	2,374.34	2,311.09	79.84	30.400		
8,100.00	6,859.00	6,590.42	6,401.56	49.21	36.92	117.08	1,354.16	1,067.44	2,395.03	2,331.78	80.92	30.297		
8,200.00	6,857.57	6,589.41	6,400.55	51.40	37.09	118.09	1,359.26	1,075.20	2,415.72	2,352.47	82.00	30.194		
8,300.00	6,856.15	6,588.39	6,399.54	53.65	37.26	119.10	1,364.36	1,082.96	2,436.41	2,373.16	83.08	30.091		
8,400.00	6,854.72	6,587.38	6,398.53	55.96	37.43	120.11	1,369.46	1,090.72	2,457.10	2,393.85	84.16	30.000		
8,500.00	6,853.30	6,586.36	6,397.52	58.31	37.60	121.12	1,374.56	1,098.48	2,477.79	2,414.54	85.24	29.907		
8,600.00	6,851.88	6,585.35	6,396.51	60.70	37.77	122.13	1,379.66	1,106.24	2,498.48	2,435.23	86.32	29.814		
8,700.00	6,850.45	6,584.34	6,395.50	63.14	37.94	123.14	1,384.76	1,114.00	2,519.17	2,455.92	87.40	29.721		
8,800.00	6,849.03	6,583.32	6,394.49	65.60	38.11	124.15	1,389.86	1,121.76	2,539.86	2,476.61	88.48	29.628		
8,900.00	6,847.60	6,582.31	6,393.48	68.10	38.28	125.16	1,394.96	1,129.52	2,560.55	2,497.30	89.56	29.535		

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 34N-6A-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 34N-6A-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	6,846.18	9,477.29	6,927.08	70.62	79.90	92.27	1,285.25	-1,670.78	2,058.52	1,908.23	150.29	13.697		
9,100.00	6,844.75	9,577.28	6,926.17	73.17	82.47	92.28	1,280.63	-1,770.66	2,056.90	1,901.51	155.40	13.236		
9,200.00	6,843.33	9,677.26	6,925.26	75.73	85.05	92.30	1,276.02	-1,870.53	2,055.29	1,894.74	160.54	12.802		
9,300.00	6,841.91	9,777.25	6,924.34	78.32	87.65	92.31	1,271.40	-1,970.41	2,053.67	1,887.95	165.73	12.392		
9,400.00	6,840.48	9,877.23	6,923.43	80.92	90.27	92.33	1,266.79	-2,070.28	2,052.06	1,881.12	170.94	12.005		
9,500.00	6,839.06	9,977.22	6,922.52	83.54	92.90	92.35	1,262.17	-2,170.16	2,050.44	1,874.26	176.18	11.638		
9,600.00	6,837.63	10,077.20	6,921.61	86.18	95.54	92.36	1,257.55	-2,270.03	2,048.83	1,867.38	181.45	11.292		
9,700.00	6,836.21	10,177.19	6,920.70	88.82	98.19	92.38	1,252.94	-2,369.90	2,047.21	1,860.48	186.74	10.963		
9,800.00	6,834.78	10,277.17	6,919.79	91.48	100.85	92.40	1,248.32	-2,469.78	2,045.60	1,853.55	192.05	10.651		
9,900.00	6,833.36	10,377.16	6,918.87	94.15	103.52	92.41	1,243.70	-2,569.65	2,043.98	1,846.60	197.38	10.355		
10,000.00	6,831.94	10,477.14	6,917.96	96.83	106.20	92.43	1,239.09	-2,669.53	2,042.37	1,839.64	202.73	10.074		
10,100.00	6,830.51	10,577.13	6,917.05	99.52	108.88	92.44	1,234.47	-2,769.40	2,040.76	1,832.65	208.10	9.807		
10,200.00	6,829.09	10,677.11	6,916.14	102.22	111.58	92.46	1,229.85	-2,869.28	2,039.14	1,825.66	213.49	9.552		
10,300.00	6,827.66	10,777.10	6,915.23	104.92	114.28	92.48	1,225.24	-2,969.15	2,037.53	1,818.65	218.88	9.309		
10,400.00	6,826.24	10,877.09	6,914.32	107.63	116.99	92.49	1,220.62	-3,069.03	2,035.92	1,811.62	224.30	9.077		
10,500.00	6,824.81	10,977.07	6,913.40	110.35	119.70	92.51	1,216.00	-3,168.90	2,034.30	1,804.58	229.72	8.856		
10,600.00	6,823.39	11,077.06	6,912.49	113.08	122.42	92.53	1,211.39	-3,268.77	2,032.69	1,797.53	235.16	8.644		
10,700.00	6,821.96	11,177.04	6,911.58	115.81	125.14	92.54	1,206.77	-3,368.65	2,031.08	1,790.47	240.60	8.442		
10,800.00	6,820.54	11,277.03	6,910.67	118.54	127.87	92.56	1,202.15	-3,468.52	2,029.46	1,783.40	246.06	8.248		
10,900.00	6,819.12	11,377.01	6,909.76	121.29	130.61	92.58	1,197.54	-3,568.40	2,027.85	1,776.32	251.53	8.062		
11,000.00	6,817.69	11,477.00	6,908.85	124.03	133.35	92.59	1,192.92	-3,668.27	2,026.24	1,769.24	257.00	7.884		
11,100.00	6,816.27	11,576.98	6,907.94	126.78	136.09	92.61	1,188.31	-3,768.15	2,024.63	1,762.14	262.49	7.713		
11,200.00	6,814.84	11,676.97	6,907.02	129.54	138.83	92.63	1,183.69	-3,868.02	2,023.02	1,755.04	267.98	7.549		
11,300.00	6,813.42	11,776.95	6,906.11	132.29	141.58	92.64	1,179.07	-3,967.90	2,021.40	1,747.93	273.48	7.392		
11,400.00	6,811.99	11,876.94	6,905.20	135.05	144.34	92.66	1,174.46	-4,067.77	2,019.79	1,740.81	278.98	7.240		
11,500.00	6,810.57	11,976.92	6,904.29	137.82	147.10	92.68	1,169.84	-4,167.65	2,018.18	1,733.69	284.49	7.094		
11,534.42	6,810.08	12,011.34	6,903.98	138.77	148.04	92.68	1,168.25	-4,202.03	2,017.63	1,731.23	286.39	7.045		
11,600.00	6,809.15	12,076.89	6,903.38	140.59	149.85	92.71	1,165.22	-4,267.50	2,015.82	1,725.81	290.01	6.951		
11,645.35	6,808.50	12,122.19	6,902.96	141.85	151.11	92.74	1,163.13	-4,312.75	2,013.69	1,721.18	292.52	6.884		
11,700.00	6,807.72	12,176.76	6,902.47	143.37	152.61	92.75	1,160.61	-4,367.26	2,010.70	1,715.16	295.54	6.804		
11,800.00	6,806.30	12,276.60	6,901.56	146.16	155.37	92.77	1,156.00	-4,466.99	2,005.23	1,704.15	301.07	6.660		
11,900.00	6,804.88	12,376.45	6,900.65	148.94	158.14	92.79	1,151.39	-4,566.73	1,999.75	1,693.14	306.61	6.522		
12,000.00	6,803.45	12,476.30	6,899.74	151.74	160.91	92.82	1,146.78	-4,666.46	1,994.27	1,682.12	312.15	6.389		
12,100.00	6,802.03	12,576.14	6,898.83	154.53	163.67	92.84	1,142.17	-4,766.20	1,988.80	1,671.10	317.70	6.260		
12,200.00	6,800.61	12,675.99	6,897.92	157.32	166.44	92.86	1,137.56	-4,865.94	1,983.32	1,660.07	323.25	6.136		
12,300.00	6,799.18	12,775.84	6,897.01	160.12	169.22	92.88	1,132.95	-4,965.67	1,977.85	1,649.04	328.80	6.015		
12,400.00	6,797.76	12,875.68	6,896.10	162.92	171.99	92.91	1,128.34	-5,065.41	1,972.37	1,638.01	334.36	5.899		
12,500.00	6,796.34	12,975.53	6,895.18	165.72	174.77	92.93	1,123.73	-5,165.15	1,966.90	1,626.98	339.93	5.786		
12,600.00	6,794.92	13,075.38	6,894.27	168.53	177.55	92.95	1,119.12	-5,264.88	1,961.43	1,615.94	345.49	5.677		
12,700.00	6,793.49	13,175.22	6,893.36	171.33	180.33	92.98	1,114.51	-5,364.62	1,955.95	1,604.89	351.06	5.572		
12,800.00	6,792.07	13,275.07	6,892.45	174.14	183.11	93.00	1,109.90	-5,464.36	1,950.48	1,593.85	356.63	5.469		
12,900.00	6,790.65	13,374.92	6,891.54	176.95	185.89	93.02	1,105.29	-5,564.09	1,945.01	1,582.80	362.21	5.370		
13,000.00	6,789.22	13,474.77	6,890.63	179.76	188.68	93.05	1,100.68	-5,663.83	1,939.54	1,571.75	367.78	5.274		
13,100.00	6,787.80	13,574.61	6,889.72	182.57	191.47	93.07	1,096.07	-5,763.56	1,934.06	1,560.70	373.36	5.180		
13,200.00	6,786.38	13,674.46	6,888.81	185.38	194.25	93.09	1,091.46	-5,863.30	1,928.59	1,549.65	378.94	5.089		
13,300.00	6,784.95	13,774.31	6,887.90	188.20	197.04	93.12	1,086.85	-5,963.04	1,923.12	1,538.59	384.53	5.001		
13,400.00	6,783.53	13,874.15	6,886.99	191.01	199.83	93.14	1,082.24	-6,062.77	1,917.65	1,527.54	390.11	4.916		
13,500.00	6,782.11	13,974.00	6,886.08	193.83	202.62	93.17	1,077.63	-6,162.51	1,912.18	1,516.48	395.70	4.832		
13,600.00	6,780.68	14,073.85	6,885.17	196.65	205.42	93.19	1,073.02	-6,262.25	1,906.71	1,505.42	401.29	4.751		
13,700.00	6,779.26	14,173.69	6,884.26	199.47	208.21	93.22	1,068.41	-6,361.98	1,901.24	1,494.35	406.88	4.673		
13,800.00	6,777.84	14,273.54	6,883.35	202.29	211.01	93.24	1,063.80	-6,461.72	1,895.77	1,483.29	412.48	4.596		
13,900.00	6,776.42	14,373.39	6,882.44	205.11	213.80	93.27	1,059.19	-6,561.46	1,890.30	1,472.23	418.07	4.521		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,774.99	14,473.24	6,881.53	207.93	216.60	93.29	1,054.58	-6,661.19	1,884.83	1,461.16	423.67	4.449		
14,100.00	6,773.57	14,573.08	6,880.62	210.76	219.40	93.32	1,049.97	-6,760.93	1,879.36	1,450.09	429.27	4.378		
14,200.00	6,772.15	14,672.93	6,879.71	213.58	222.20	93.34	1,045.36	-6,860.66	1,873.89	1,439.03	434.87	4.309		
14,300.00	6,770.72	14,772.78	6,878.80	216.40	225.00	93.37	1,040.75	-6,960.40	1,868.43	1,427.96	440.47	4.242		
14,400.00	6,769.30	14,872.62	6,877.89	219.23	227.80	93.39	1,036.14	-7,060.14	1,862.96	1,416.89	446.07	4.176		
14,500.00	6,767.88	14,972.47	6,876.98	222.06	230.60	93.42	1,031.53	-7,159.87	1,857.49	1,405.82	451.68	4.112		
14,600.00	6,766.45	15,072.32	6,876.07	224.89	233.40	93.44	1,026.92	-7,259.61	1,852.03	1,394.74	457.28	4.050		
14,700.00	6,765.03	15,172.16	6,875.16	227.71	236.20	93.47	1,022.31	-7,359.35	1,846.56	1,383.67	462.89	3.989		
14,800.00	6,763.61	15,272.01	6,874.25	230.54	239.01	93.50	1,017.70	-7,459.08	1,841.09	1,372.60	468.49	3.930		
14,900.00	6,762.19	15,371.86	6,873.34	233.37	241.81	93.52	1,013.09	-7,558.82	1,835.63	1,361.53	474.10	3.872		
15,000.00	6,760.76	15,471.71	6,872.43	236.20	244.61	93.55	1,008.48	-7,658.55	1,830.16	1,350.45	479.71	3.815		
15,100.00	6,759.34	15,571.55	6,871.52	239.03	247.42	93.57	1,003.87	-7,758.29	1,824.70	1,339.38	485.32	3.760		
15,200.00	6,757.92	15,671.40	6,870.61	241.86	250.23	93.60	999.26	-7,858.03	1,819.23	1,328.30	490.93	3.706		
15,300.00	6,756.49	15,738.53	6,869.99	244.70	252.11	93.62	996.16	-7,925.08	1,814.06	1,318.38	495.68	3.660		
15,334.64	6,756.00	15,738.53	6,869.99	245.68	252.11	93.62	996.16	-7,925.08	1,813.13	1,316.58	496.55	3.651		
15,335.52	6,755.99	15,738.53	6,869.99	245.70	252.11	93.62	996.16	-7,925.08	1,813.11	1,316.54	496.57	3.651 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5.63	104.55	10.30	105.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.63	104.55	10.30	105.06	98.49	6.57	15.992		
200.00	200.00	200.00	200.00	3.34	3.34	5.63	104.55	10.30	105.06	98.39	6.67	15.742		
300.00	300.00	300.00	300.00	3.44	3.44	5.63	104.55	10.30	105.06	98.17	6.89	15.249 CC, ES		
400.00	399.98	397.27	397.25	3.60	3.60	-124.60	105.68	11.51	107.32	100.12	7.20	14.905		
500.00	499.84	494.24	494.09	3.79	3.79	-124.95	109.04	15.11	114.10	106.50	7.60	15.011		
600.00	599.45	590.62	590.12	4.03	4.03	-125.43	114.60	21.07	125.38	117.30	8.08	15.513		
700.00	698.70	686.11	684.94	4.30	4.29	-125.94	122.27	29.30	141.13	132.50	8.63	16.356		
785.00	782.69	766.38	764.32	4.56	4.53	-126.35	130.39	38.00	157.98	148.85	9.14	17.294		
800.00	797.47	780.45	778.20	4.60	4.58	-126.46	131.97	39.70	161.26	152.03	9.23	17.472		
900.00	896.04	873.72	869.89	4.94	4.88	-126.69	143.60	52.17	184.43	174.56	9.86	18.698		
1,000.00	994.61	969.24	963.34	5.30	5.22	-126.41	157.10	66.65	209.30	198.77	10.53	19.876		
1,100.00	1,093.18	1,066.07	1,058.04	5.69	5.58	-126.16	170.87	81.42	234.29	223.05	11.24	20.848		
1,200.00	1,191.75	1,162.89	1,152.73	6.08	5.96	-125.96	184.65	96.19	259.27	247.30	11.98	21.649		
1,300.00	1,290.32	1,259.72	1,247.43	6.49	6.36	-125.80	198.42	110.96	284.26	271.52	12.74	22.312		
1,400.00	1,388.89	1,356.54	1,342.12	6.91	6.77	-125.66	212.20	125.73	309.26	295.73	13.53	22.864		
1,500.00	1,487.46	1,453.36	1,436.81	7.34	7.18	-125.54	225.97	140.50	334.25	319.92	14.33	23.326		
1,600.00	1,586.03	1,550.19	1,531.51	7.77	7.60	-125.44	239.75	155.27	359.24	344.09	15.15	23.715		
1,700.00	1,684.61	1,647.01	1,626.20	8.22	8.03	-125.35	253.52	170.05	384.24	368.26	15.98	24.045		
1,800.00	1,783.18	1,743.84	1,720.90	8.66	8.47	-125.27	267.29	184.82	409.23	392.41	16.82	24.327		
1,900.00	1,881.75	1,840.66	1,815.59	9.11	8.91	-125.20	281.07	199.59	434.23	416.56	17.67	24.569		
2,000.00	1,980.32	1,937.48	1,910.29	9.57	9.35	-125.14	294.84	214.36	459.23	440.69	18.53	24.778		
2,100.00	2,078.89	2,034.31	2,004.98	10.02	9.80	-125.09	308.62	229.13	484.22	464.82	19.40	24.960		
2,200.00	2,177.46	2,131.13	2,099.67	10.49	10.25	-125.04	322.39	243.90	509.22	488.95	20.27	25.118		
2,300.00	2,276.03	2,227.96	2,194.37	10.95	10.71	-124.99	336.17	258.67	534.22	513.07	21.15	25.257		
2,400.00	2,374.60	2,324.78	2,289.06	11.41	11.16	-124.95	349.94	273.44	559.22	537.18	22.03	25.380		
2,500.00	2,473.17	2,421.61	2,383.76	11.88	11.62	-124.91	363.71	288.21	584.22	561.30	22.92	25.489		
2,600.00	2,571.74	2,518.43	2,478.45	12.35	12.08	-124.88	377.49	302.99	609.22	585.40	23.81	25.585		
2,700.00	2,670.31	2,615.25	2,573.15	12.82	12.54	-124.85	391.26	317.76	634.22	609.51	24.71	25.671		
2,800.00	2,768.88	2,712.08	2,667.84	13.29	13.00	-124.82	405.04	332.53	659.21	633.61	25.60	25.748		
2,900.00	2,867.45	2,808.90	2,762.53	13.76	13.47	-124.79	418.81	347.30	684.21	657.71	26.50	25.818		
3,000.00	2,966.02	2,905.73	2,857.23	14.24	13.93	-124.77	432.59	362.07	709.21	681.81	27.40	25.880		
3,100.00	3,064.59	3,002.55	2,951.92	14.71	14.40	-124.74	446.36	376.84	734.21	705.91	28.31	25.937		
3,200.00	3,163.16	3,100.62	3,046.62	15.19	14.87	-124.72	460.13	391.61	759.21	729.99	29.22	25.983		
3,300.00	3,261.73	3,203.80	3,141.31	15.66	15.37	-124.70	473.91	406.38	784.21	754.05	30.16	26.003		
3,400.00	3,360.30	3,306.98	3,236.01	16.14	15.87	-124.68	487.68	421.15	809.21	778.12	31.10	26.021		
3,500.00	3,458.87	3,389.85	3,330.70	16.62	16.27	-124.66	501.46	435.93	834.21	802.27	31.94	26.116		
3,600.00	3,557.44	3,486.67	3,425.40	17.10	16.74	-124.65	515.23	450.70	859.21	826.36	32.85	26.152		
3,700.00	3,656.01	3,583.50	3,520.09	17.58	17.21	-124.63	529.01	465.47	884.21	850.44	33.77	26.184		
3,800.00	3,754.58	3,680.32	3,614.78	18.06	17.68	-124.61	542.78	480.24	909.21	874.53	34.68	26.215		
3,900.00	3,853.15	3,777.15	3,709.48	18.54	18.15	-124.60	556.55	495.01	934.21	898.61	35.60	26.242		
4,000.00	3,951.72	3,873.97	3,804.17	19.02	18.62	-124.59	570.33	509.78	959.21	922.70	36.52	26.268		
4,100.00	4,050.29	3,970.79	3,898.87	19.50	19.10	-124.57	584.10	524.55	984.21	946.78	37.43	26.292		
4,200.00	4,148.86	4,067.62	3,993.56	19.98	19.57	-124.56	597.88	539.32	1,009.21	970.86	38.35	26.314		
4,300.00	4,247.43	4,164.44	4,088.26	20.46	20.04	-124.55	611.65	554.10	1,034.22	994.94	39.27	26.335		
4,400.00	4,346.00	4,261.27	4,182.95	20.94	20.52	-124.54	625.43	568.87	1,059.22	1,019.02	40.19	26.354		
4,500.00	4,444.58	4,358.09	4,277.64	21.43	20.99	-124.53	639.20	583.64	1,084.22	1,043.10	41.11	26.371		
4,600.00	4,543.15	4,454.92	4,372.34	21.91	21.47	-124.52	652.98	598.41	1,109.22	1,067.18	42.04	26.388		
4,700.00	4,641.72	4,551.74	4,467.03	22.39	21.94	-124.51	666.75	613.18	1,134.22	1,091.26	42.96	26.403		
4,800.00	4,740.29	4,648.56	4,561.73	22.87	22.41	-124.50	680.52	627.95	1,159.22	1,115.34	43.88	26.418		
4,900.00	4,838.86	4,745.39	4,656.42	23.36	22.89	-124.49	694.30	642.72	1,184.22	1,139.42	44.80	26.431		
5,000.00	4,937.43	4,842.21	4,751.12	23.84	23.37	-124.48	708.07	657.49	1,209.22	1,163.49	45.73	26.444		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	4,939.04	4,845.81	24.32	23.84	-124.47	721.85	672.26	1,234.22	1,187.57	46.65	26.456		
5,200.00	5,134.57	5,035.86	4,940.50	24.81	24.32	-124.46	735.62	687.04	1,259.22	1,211.64	47.58	26.467		
5,300.00	5,233.14	5,132.69	5,035.20	25.29	24.79	-124.46	749.40	701.81	1,284.22	1,235.72	48.50	26.478		
5,400.00	5,331.71	5,229.51	5,129.89	25.78	25.27	-124.45	763.17	716.58	1,309.22	1,259.80	49.43	26.488		
5,500.00	5,430.28	5,326.33	5,224.59	26.26	25.74	-124.44	776.94	731.35	1,334.22	1,283.87	50.35	26.497		
5,600.00	5,528.85	5,423.16	5,319.28	26.75	26.22	-124.44	790.72	746.12	1,359.22	1,307.94	51.28	26.506		
5,700.00	5,627.42	5,519.98	5,413.98	27.23	26.70	-124.43	804.49	760.89	1,384.23	1,332.02	52.21	26.514		
5,800.00	5,725.99	5,616.81	5,508.67	27.72	27.17	-124.42	818.27	775.66	1,409.23	1,356.09	53.13	26.522		
5,900.00	5,824.56	5,713.63	5,603.36	28.20	27.65	-124.42	832.04	790.43	1,434.23	1,380.17	54.06	26.529		
6,000.00	5,923.13	5,810.45	5,698.06	28.69	28.13	-124.41	845.82	805.20	1,459.23	1,404.24	54.99	26.536		
6,100.00	6,021.70	5,907.28	5,792.75	29.17	28.61	-124.41	859.59	819.98	1,484.23	1,428.31	55.92	26.543		
6,200.00	6,120.27	6,004.10	5,887.45	29.66	29.08	-124.40	873.36	834.75	1,509.23	1,452.38	56.85	26.549		
6,238.51	6,158.23	6,041.39	5,923.91	29.84	29.27	-124.40	878.67	840.44	1,518.86	1,461.65	57.20	26.552		
6,250.00	6,169.57	6,052.51	5,934.79	29.90	29.32	-129.07	880.25	842.13	1,521.74	1,464.43	57.31	26.553		
6,300.00	6,219.12	6,100.73	5,981.95	30.13	29.56	-159.10	887.11	849.49	1,534.61	1,476.84	57.76	26.568		
6,350.00	6,268.78	6,148.44	6,028.61	30.33	29.80	162.21	893.90	856.77	1,547.92	1,489.73	58.19	26.601		
6,400.00	6,318.25	6,204.65	6,074.49	30.52	30.07	136.53	900.57	863.92	1,561.65	1,503.00	58.65	26.628		
6,450.00	6,367.22	6,241.17	6,119.30	30.69	30.25	123.01	907.09	870.91	1,575.79	1,516.79	59.00	26.707		
6,500.00	6,415.39	6,285.62	6,162.77	30.86	30.47	115.25	913.41	877.69	1,590.35	1,530.95	59.39	26.776		
6,550.00	6,462.47	6,328.42	6,204.63	31.02	30.68	110.24	919.50	884.22	1,605.34	1,545.57	59.78	26.855		
6,600.00	6,508.16	6,369.31	6,244.63	31.18	30.88	106.70	925.32	890.46	1,620.82	1,560.67	60.15	26.944		
6,650.00	6,552.18	6,408.04	6,282.50	31.34	31.08	103.99	930.83	896.37	1,636.83	1,576.30	60.52	27.044		
6,700.00	6,594.26	6,446.51	6,359.79	31.51	31.44	102.68	941.85	903.74	1,652.96	1,591.70	61.26	26.984		
6,750.00	6,634.14	6,579.48	6,451.75	31.68	31.81	101.92	954.39	900.00	1,668.50	1,606.47	62.03	26.896		
6,800.00	6,671.58	6,688.47	6,557.59	31.86	32.21	101.52	968.02	878.51	1,683.03	1,620.21	62.82	26.792		
6,850.00	6,706.34	6,850.00	6,650.45	32.06	32.80	100.97	979.19	842.63	1,696.01	1,632.28	63.73	26.612		
6,900.00	6,738.21	6,900.00	6,774.88	32.27	33.00	100.82	992.77	764.51	1,706.80	1,642.67	64.14	26.612		
6,950.00	6,766.99	7,122.97	6,901.27	32.52	34.11	100.34	1,003.95	629.17	1,714.90	1,649.53	65.38	26.232		
7,000.00	6,792.51	7,286.75	6,976.19	32.80	35.31	99.13	1,007.57	484.08	1,719.86	1,653.03	66.83	25.736		
7,050.00	6,814.61	7,441.77	7,011.27	33.12	36.84	97.47	1,005.43	333.49	1,721.80	1,653.03	68.77	25.036		
7,100.00	6,833.15	7,539.39	7,014.79	33.48	37.98	96.15	1,001.40	236.10	1,721.41	1,650.97	70.44	24.439		
7,150.00	6,848.02	7,586.96	7,014.33	33.89	38.57	95.56	999.13	188.59	1,720.77	1,649.19	71.58	24.039		
7,200.00	6,859.13	7,635.58	7,013.86	34.35	39.24	95.12	996.81	140.02	1,720.17	1,647.35	72.81	23.624		
7,250.00	6,866.40	7,684.97	7,013.39	34.86	39.94	94.85	994.45	90.69	1,719.51	1,645.41	74.10	23.206		
7,300.00	6,869.79	7,734.80	7,012.91	35.40	40.69	94.75	992.08	40.92	1,718.76	1,643.31	75.45	22.779		
7,327.68	6,870.00	7,762.47	7,012.64	35.71	41.12	94.78	990.76	13.28	1,718.30	1,642.07	76.22	22.543		
7,400.00	6,868.97	7,834.78	7,011.94	36.61	42.30	94.79	987.31	-58.94	1,717.04	1,638.70	78.34	21.918		
7,500.00	6,867.54	7,934.76	7,010.98	38.01	44.03	94.81	982.54	-158.81	1,715.29	1,633.78	81.51	21.043		
7,600.00	6,866.12	8,034.74	7,010.01	39.58	45.87	94.83	977.77	-258.67	1,713.55	1,628.60	84.95	20.171		
7,700.00	6,864.69	8,134.73	7,009.05	41.29	47.82	94.85	973.00	-358.54	1,711.80	1,623.19	88.62	19.317		
7,800.00	6,863.27	8,234.71	7,008.08	43.12	49.85	94.87	968.23	-458.40	1,710.06	1,617.57	92.48	18.490		
7,900.00	6,861.85	8,334.69	7,007.12	45.06	51.95	94.89	963.46	-558.26	1,708.31	1,611.78	96.53	17.697		
8,000.00	6,860.42	8,434.68	7,006.15	47.10	54.13	94.91	958.69	-658.13	1,706.57	1,605.83	100.73	16.941		
8,100.00	6,859.00	8,534.66	7,005.19	49.21	56.36	94.93	953.92	-757.99	1,704.82	1,599.75	105.08	16.225		
8,200.00	6,857.57	8,634.64	7,004.22	51.40	58.64	94.96	949.15	-857.86	1,703.08	1,593.54	109.54	15.548		
8,300.00	6,856.15	8,734.63	7,003.26	53.65	60.98	94.98	944.38	-957.72	1,701.34	1,587.23	114.11	14.910		
8,400.00	6,854.72	8,834.61	7,002.29	55.96	63.35	95.00	939.62	-1,057.59	1,699.59	1,580.82	118.77	14.310		
8,500.00	6,853.30	8,934.59	7,001.33	58.31	65.76	95.02	934.85	-1,157.45	1,697.85	1,574.33	123.52	13.746		
8,600.00	6,851.88	9,034.57	7,000.37	60.70	68.20	95.04	930.08	-1,257.32	1,696.11	1,567.77	128.34	13.216		
8,700.00	6,850.45	9,134.56	6,999.40	63.14	70.68	95.06	925.31	-1,357.18	1,694.36	1,561.14	133.22	12.718		
8,800.00	6,849.03	9,234.54	6,998.44	65.60	73.17	95.08	920.54	-1,457.04	1,692.62	1,554.45	138.17	12.250		
8,900.00	6,847.60	9,334.52	6,997.47	68.10	75.70	95.10	915.77	-1,556.91	1,690.88	1,547.71	143.17	11.811		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,846.18	9,434.51	6,996.51	70.62	78.24	95.12	911.00	-1,656.77	1,689.14	1,540.93	148.21	11.397		
9,100.00	6,844.75	9,534.49	6,995.54	73.17	80.81	95.14	906.23	-1,756.64	1,687.40	1,534.10	153.30	11.007		
9,200.00	6,843.33	9,634.47	6,994.58	75.73	83.39	95.16	901.46	-1,856.50	1,685.65	1,527.23	158.42	10.640		
9,300.00	6,841.91	9,734.45	6,993.61	78.32	85.99	95.18	896.69	-1,956.37	1,683.91	1,520.33	163.59	10.294		
9,400.00	6,840.48	9,834.44	6,992.65	80.92	88.60	95.21	891.92	-2,056.23	1,682.17	1,513.39	168.78	9.967		
9,500.00	6,839.06	9,934.42	6,991.68	83.54	91.23	95.23	887.16	-2,156.10	1,680.43	1,506.43	174.00	9.658		
9,600.00	6,837.63	10,034.40	6,990.72	86.18	93.86	95.25	882.39	-2,255.96	1,678.69	1,499.45	179.24	9.365		
9,700.00	6,836.21	10,134.39	6,989.76	88.82	96.51	95.27	877.62	-2,355.82	1,676.95	1,492.44	184.51	9.088		
9,800.00	6,834.78	10,234.37	6,988.79	91.48	99.17	95.29	872.85	-2,455.69	1,675.21	1,485.40	189.81	8.826		
9,900.00	6,833.36	10,334.35	6,987.83	94.15	101.84	95.31	868.08	-2,555.55	1,673.47	1,478.35	195.12	8.577		
10,000.00	6,831.94	10,434.34	6,986.86	96.83	104.52	95.33	863.31	-2,655.42	1,671.73	1,471.28	200.45	8.340		
10,100.00	6,830.51	10,534.32	6,985.90	99.52	107.21	95.35	858.54	-2,755.28	1,669.99	1,464.19	205.80	8.115		
10,200.00	6,829.09	10,634.30	6,984.93	102.22	109.90	95.38	853.77	-2,855.15	1,668.25	1,457.09	211.16	7.900		
10,300.00	6,827.66	10,734.28	6,983.97	104.92	112.60	95.40	849.00	-2,955.01	1,666.51	1,449.98	216.53	7.696		
10,400.00	6,826.24	10,834.27	6,983.00	107.63	115.31	95.42	844.23	-3,054.88	1,664.77	1,442.85	221.93	7.502		
10,500.00	6,824.81	10,934.25	6,982.04	110.35	118.02	95.44	839.46	-3,154.74	1,663.03	1,435.71	227.33	7.316		
10,600.00	6,823.39	11,034.23	6,981.07	113.08	120.74	95.46	834.70	-3,254.60	1,661.30	1,428.56	232.74	7.138		
10,700.00	6,821.96	11,134.22	6,980.11	115.81	123.47	95.48	829.93	-3,354.47	1,659.56	1,421.39	238.17	6.968		
10,800.00	6,820.54	11,234.20	6,979.14	118.54	126.20	95.51	825.16	-3,454.33	1,657.82	1,414.22	243.60	6.806		
10,900.00	6,819.12	11,334.18	6,978.18	121.29	128.93	95.53	820.39	-3,554.20	1,656.08	1,407.04	249.04	6.650		
11,000.00	6,817.69	11,434.16	6,977.22	124.03	131.67	95.55	815.62	-3,654.06	1,654.35	1,399.85	254.49	6.501		
11,100.00	6,816.27	11,534.15	6,976.25	126.78	134.41	95.57	810.85	-3,753.93	1,652.61	1,392.65	259.95	6.357		
11,200.00	6,814.84	11,634.13	6,975.29	129.54	137.16	95.59	806.08	-3,853.79	1,650.87	1,385.45	265.42	6.220		
11,300.00	6,813.42	11,734.11	6,974.32	132.29	139.91	95.61	801.31	-3,953.66	1,649.13	1,378.24	270.90	6.088		
11,400.00	6,811.99	11,834.10	6,973.36	135.05	142.66	95.64	796.54	-4,053.52	1,647.40	1,371.02	276.38	5.961		
11,500.00	6,810.57	11,934.08	6,972.39	137.82	145.42	95.66	791.77	-4,153.38	1,645.66	1,363.80	281.86	5.839		
11,534.42	6,810.08	11,968.50	6,972.06	138.77	146.37	95.67	790.13	-4,187.76	1,645.06	1,361.31	283.75	5.798		
11,600.00	6,809.15	12,034.04	6,971.43	140.59	148.18	95.71	787.01	-4,253.23	1,643.18	1,355.83	287.35	5.718		
11,645.35	6,808.50	12,079.34	6,970.99	141.85	149.43	95.74	784.84	-4,298.48	1,641.00	1,351.16	289.85	5.662		
11,700.00	6,807.72	12,133.90	6,970.46	143.37	150.94	95.76	782.24	-4,352.97	1,637.95	1,345.10	292.85	5.593		
11,800.00	6,806.30	12,233.74	6,969.50	146.16	153.70	95.79	777.48	-4,452.69	1,632.37	1,334.01	298.35	5.471		
11,900.00	6,804.88	12,333.58	6,968.54	148.94	156.47	95.83	772.72	-4,552.41	1,626.78	1,322.92	303.86	5.354		
12,000.00	6,803.45	12,433.42	6,967.57	151.74	159.23	95.87	767.96	-4,652.13	1,621.20	1,311.83	309.37	5.240		
12,100.00	6,802.03	12,533.25	6,966.61	154.53	162.00	95.90	763.19	-4,751.85	1,615.61	1,300.73	314.88	5.131		
12,200.00	6,800.61	12,633.09	6,965.65	157.32	164.77	95.94	758.43	-4,851.57	1,610.03	1,289.63	320.40	5.025		
12,300.00	6,799.18	12,732.93	6,964.68	160.12	167.54	95.98	753.67	-4,951.29	1,604.45	1,278.53	325.92	4.923		
12,400.00	6,797.76	12,832.77	6,963.72	162.92	170.32	96.01	748.91	-5,051.01	1,598.87	1,267.43	331.44	4.824		
12,500.00	6,796.34	12,932.61	6,962.76	165.72	173.10	96.05	744.14	-5,150.73	1,593.29	1,256.32	336.97	4.728		
12,600.00	6,794.92	13,032.45	6,961.80	168.53	175.87	96.09	739.38	-5,250.45	1,587.71	1,245.21	342.50	4.636		
12,700.00	6,793.49	13,132.29	6,960.83	171.33	178.65	96.13	734.62	-5,350.17	1,582.13	1,234.10	348.03	4.546		
12,800.00	6,792.07	13,232.13	6,959.87	174.14	181.44	96.17	729.86	-5,449.89	1,576.55	1,222.99	353.56	4.459		
12,900.00	6,790.65	13,331.96	6,958.91	176.95	184.22	96.20	725.10	-5,549.61	1,570.97	1,211.87	359.10	4.375		
13,000.00	6,789.22	13,431.80	6,957.94	179.76	187.01	96.24	720.33	-5,649.33	1,565.40	1,200.76	364.63	4.293		
13,100.00	6,787.80	13,531.64	6,956.98	182.57	189.79	96.28	715.57	-5,749.05	1,559.82	1,189.65	370.17	4.214		
13,200.00	6,786.38	13,631.48	6,956.02	185.38	192.58	96.32	710.81	-5,848.77	1,554.24	1,178.53	375.71	4.137		
13,300.00	6,784.95	13,731.32	6,955.05	188.20	195.37	96.36	706.05	-5,948.50	1,548.67	1,167.41	381.26	4.062		
13,400.00	6,783.53	13,831.16	6,954.09	191.01	198.16	96.40	701.28	-6,048.22	1,543.09	1,156.29	386.80	3.989		
13,500.00	6,782.11	13,931.00	6,953.13	193.83	200.95	96.44	696.52	-6,147.94	1,537.52	1,145.18	392.34	3.919		
13,600.00	6,780.68	14,030.83	6,952.16	196.65	203.74	96.48	691.76	-6,247.66	1,531.95	1,134.06	397.89	3.850		
13,700.00	6,779.26	14,130.67	6,951.20	199.47	206.54	96.52	687.00	-6,347.38	1,526.38	1,122.94	403.44	3.783		
13,800.00	6,777.84	14,230.51	6,950.24	202.29	209.33	96.57	682.24	-6,447.10	1,520.81	1,111.82	408.98	3.718		
13,900.00	6,776.42	14,330.35	6,949.27	205.11	212.13	96.61	677.47	-6,546.82	1,515.24	1,100.70	414.53	3.655		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	Centre +E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)					
14,000.00	6,774.99	14,430.19	6,948.31	207.93	214.92	96.65	672.71	-6,646.54	1,509.67	1,089.58	420.08	3.594				
14,100.00	6,773.57	14,530.03	6,947.35	210.76	217.72	96.69	667.95	-6,746.26	1,504.10	1,078.47	425.63	3.534				
14,200.00	6,772.15	14,629.87	6,946.38	213.58	220.52	96.73	663.19	-6,845.98	1,498.53	1,067.35	431.18	3.475				
14,300.00	6,770.72	14,729.71	6,945.42	216.40	223.32	96.78	658.42	-6,945.70	1,492.96	1,056.23	436.73	3.418				
14,400.00	6,769.30	14,829.54	6,944.46	219.23	226.12	96.82	653.66	-7,045.42	1,487.40	1,045.12	442.28	3.363				
14,500.00	6,767.88	14,929.38	6,943.49	222.06	228.92	96.86	648.90	-7,145.14	1,481.83	1,034.00	447.83	3.309				
14,600.00	6,766.45	15,029.22	6,942.53	224.89	231.72	96.91	644.14	-7,244.86	1,476.27	1,022.88	453.38	3.256				
14,700.00	6,765.03	15,129.06	6,941.57	227.71	234.52	96.95	639.38	-7,344.58	1,470.70	1,011.77	458.93	3.205				
14,800.00	6,763.61	15,228.90	6,940.60	230.54	237.33	97.00	634.61	-7,444.30	1,465.14	1,000.66	464.48	3.154				
14,900.00	6,762.19	15,328.74	6,939.64	233.37	240.13	97.04	629.85	-7,544.02	1,459.58	989.54	470.03	3.105				
15,000.00	6,760.76	15,428.58	6,938.68	236.20	242.94	97.09	625.09	-7,643.74	1,454.02	978.43	475.58	3.057				
15,100.00	6,759.34	15,528.41	6,937.71	239.03	245.74	97.13	620.33	-7,743.46	1,448.46	967.32	481.13	3.011				
15,200.00	6,757.92	15,628.25	6,936.75	241.86	248.55	97.18	615.57	-7,843.18	1,442.90	956.22	486.68	2.965				
15,300.00	6,756.49	15,706.13	6,936.00	244.70	250.74	97.21	611.85	-7,920.96	1,437.51	945.83	491.68	2.924				
15,334.64	6,756.00	15,706.13	6,936.00	245.68	250.74	97.21	611.85	-7,920.96	1,436.53	944.02	492.51	2.917				
15,335.52	6,755.99	15,706.13	6,936.00	245.70	250.74	97.21	611.85	-7,920.96	1,436.52	943.99	492.53	2.917 SF				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5.68	44.81	4.45	45.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	44.81	4.45	45.03	38.46	6.57	6.854		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	44.81	4.45	45.03	38.36	6.67	6.747		
300.00	300.00	300.00	300.00	3.44	3.44	5.68	44.81	4.45	45.03	38.14	6.89	6.536 CC, ES		
400.00	399.98	399.87	399.85	3.60	3.60	-124.03	44.76	6.19	46.14	38.95	7.20	6.412		
500.00	499.84	499.67	499.50	3.79	3.80	-122.97	44.63	11.41	49.50	41.91	7.59	6.525		
600.00	599.45	599.30	598.76	4.03	4.04	-121.48	44.40	20.07	55.11	47.05	8.06	6.838		
700.00	698.70	701.25	697.47	4.30	4.32	-119.87	44.08	32.11	62.98	54.37	8.61	7.314		
785.00	782.69	783.35	781.32	4.56	4.57	-119.85	43.79	43.36	71.21	62.09	9.12	7.808		
800.00	797.47	801.73	796.10	4.60	4.62	-120.02	43.74	45.35	72.77	63.54	9.23	7.887		
900.00	896.04	902.29	894.66	4.94	4.96	-121.00	43.39	58.58	83.20	73.31	9.89	8.412		
1,000.00	994.61	1,002.84	993.22	5.30	5.31	-121.76	43.05	71.82	93.65	83.05	10.60	8.838		
1,100.00	1,093.18	1,103.39	1,091.78	5.69	5.68	-122.37	42.70	85.05	104.11	92.77	11.34	9.183		
1,200.00	1,191.75	1,203.95	1,190.34	6.08	6.07	-122.87	42.35	98.28	114.58	102.47	12.11	9.465		
1,300.00	1,290.32	1,304.50	1,288.91	6.49	6.46	-123.28	42.01	111.52	125.05	112.15	12.90	9.696		
1,400.00	1,388.89	1,405.06	1,387.47	6.91	6.87	-123.64	41.66	124.75	135.53	121.83	13.71	9.888		
1,500.00	1,487.46	1,505.61	1,486.03	7.34	7.28	-123.94	41.31	137.99	146.02	131.49	14.53	10.047		
1,600.00	1,586.03	1,606.17	1,584.59	7.77	7.70	-124.20	40.97	151.22	156.51	141.14	15.37	10.180		
1,700.00	1,684.61	1,706.72	1,683.15	8.22	8.13	-124.42	40.62	164.45	167.00	150.78	16.22	10.293		
1,800.00	1,783.18	1,807.27	1,781.71	8.66	8.56	-124.62	40.27	177.69	177.50	160.41	17.08	10.389		
1,900.00	1,881.75	1,907.83	1,880.27	9.11	8.99	-124.80	39.93	190.92	187.99	170.04	17.95	10.471		
2,000.00	1,980.32	2,008.38	1,978.83	9.57	9.43	-124.96	39.58	204.15	198.49	179.66	18.83	10.542		
2,100.00	2,078.89	2,108.94	2,077.39	10.02	9.87	-125.10	39.23	217.39	208.99	189.28	19.71	10.603		
2,200.00	2,177.46	2,209.49	2,175.95	10.49	10.31	-125.23	38.89	230.62	219.49	198.90	20.60	10.656		
2,300.00	2,276.03	2,289.96	2,274.51	10.95	10.67	-125.35	38.54	243.86	230.00	208.60	21.40	10.747		
2,400.00	2,374.60	2,389.40	2,373.08	11.41	11.11	-125.46	38.19	257.09	240.50	218.21	22.29	10.789		
2,500.00	2,473.17	2,488.85	2,471.64	11.88	11.55	-125.56	37.85	270.32	251.00	227.82	23.18	10.826		
2,600.00	2,571.74	2,588.29	2,570.20	12.35	12.00	-125.65	37.50	283.56	261.51	237.42	24.08	10.859		
2,700.00	2,670.31	2,687.74	2,668.76	12.82	12.44	-125.73	37.15	296.79	272.01	247.03	24.98	10.888		
2,800.00	2,768.88	2,787.19	2,767.32	13.29	12.89	-125.81	36.81	310.03	282.52	256.63	25.88	10.915		
2,900.00	2,867.45	2,886.63	2,865.88	13.76	13.34	-125.88	36.46	323.26	293.02	266.23	26.79	10.938		
3,000.00	2,966.02	2,986.08	2,964.44	14.24	13.79	-125.95	36.11	336.49	303.53	275.83	27.70	10.959		
3,100.00	3,064.59	3,085.52	3,063.00	14.71	14.24	-126.01	35.77	349.73	314.04	285.43	28.61	10.978		
3,200.00	3,163.16	3,184.97	3,161.56	15.19	14.69	-126.07	35.42	362.96	324.54	295.03	29.52	10.995		
3,300.00	3,261.73	3,284.42	3,260.12	15.66	15.14	-126.12	35.07	376.19	335.05	304.62	30.43	11.011		
3,400.00	3,360.30	3,383.86	3,358.68	16.14	15.59	-126.17	34.73	389.43	345.56	314.22	31.34	11.025		
3,500.00	3,458.87	3,483.31	3,457.24	16.62	16.05	-126.22	34.38	402.66	356.06	323.81	32.26	11.039		
3,600.00	3,557.44	3,582.75	3,555.81	17.10	16.50	-126.27	34.04	415.90	366.57	333.40	33.17	11.050		
3,700.00	3,656.01	3,682.20	3,654.37	17.58	16.96	-126.31	33.69	429.13	377.08	342.99	34.09	11.061		
3,800.00	3,754.58	3,781.65	3,752.93	18.06	17.41	-126.35	33.34	442.36	387.59	352.58	35.01	11.071		
3,900.00	3,853.15	3,881.09	3,851.49	18.54	17.87	-126.39	33.00	455.60	398.10	362.17	35.93	11.081		
4,000.00	3,951.72	3,980.54	3,950.05	19.02	18.32	-126.42	32.65	468.83	408.61	371.76	36.85	11.089		
4,100.00	4,050.29	4,079.98	4,048.61	19.50	18.78	-126.46	32.30	482.07	419.12	381.35	37.77	11.097		
4,200.00	4,148.86	4,179.43	4,147.17	19.98	19.24	-126.49	31.96	495.30	429.63	390.94	38.69	11.104		
4,300.00	4,247.43	4,278.88	4,245.73	20.46	19.69	-126.52	31.61	508.53	440.13	400.52	39.61	11.111		
4,400.00	4,346.00	4,378.32	4,344.29	20.94	20.15	-126.55	31.26	521.77	450.64	410.11	40.53	11.118		
4,500.00	4,444.58	4,477.77	4,442.85	21.43	20.61	-126.58	30.92	535.00	461.15	419.70	41.46	11.123		
4,600.00	4,543.15	4,577.21	4,541.41	21.91	21.07	-126.61	30.57	548.23	471.66	429.28	42.38	11.129		
4,700.00	4,641.72	4,676.66	4,639.98	22.39	21.53	-126.64	30.22	561.47	482.17	438.87	43.31	11.134		
4,800.00	4,740.29	4,776.11	4,738.54	22.87	21.98	-126.66	29.88	574.70	492.68	448.45	44.23	11.139		
4,900.00	4,838.86	4,875.55	4,837.10	23.36	22.44	-126.68	29.53	587.94	503.19	458.04	45.16	11.143		
5,000.00	4,937.43	4,975.00	4,935.66	23.84	22.90	-126.71	29.18	601.17	513.70	467.62	46.08	11.147		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,074.44	5,034.22	24.32	23.36	-126.73	28.84	614.40	524.21	477.20	47.01	11.151		
5,200.00	5,134.57	5,173.89	5,132.78	24.81	23.82	-126.75	28.49	627.64	534.72	486.79	47.94	11.155		
5,300.00	5,233.14	5,273.34	5,231.34	25.29	24.28	-126.77	28.14	640.87	545.23	496.37	48.86	11.158		
5,400.00	5,331.71	5,372.78	5,329.90	25.78	24.74	-126.79	27.80	654.11	555.74	505.95	49.79	11.162		
5,500.00	5,430.28	5,472.23	5,428.46	26.26	25.20	-126.81	27.45	667.34	566.25	515.54	50.72	11.165		
5,600.00	5,528.85	5,571.67	5,527.02	26.75	25.66	-126.83	27.10	680.57	576.76	525.12	51.65	11.167		
5,700.00	5,627.42	5,671.12	5,625.58	27.23	26.12	-126.85	26.76	693.81	587.27	534.70	52.58	11.170		
5,800.00	5,725.99	5,770.57	5,724.14	27.72	26.58	-126.86	26.41	707.04	597.79	544.28	53.50	11.173		
5,900.00	5,824.56	5,870.01	5,822.71	28.20	27.04	-126.88	26.06	720.27	608.30	553.86	54.43	11.175		
6,000.00	5,923.13	5,969.46	5,921.27	28.69	27.50	-126.89	25.72	733.51	618.81	563.44	55.36	11.177		
6,100.00	6,021.70	6,068.90	6,019.83	29.17	27.96	-126.91	25.37	746.74	629.32	573.03	56.29	11.180		
6,200.00	6,120.27	6,168.35	6,118.39	29.66	28.42	-126.92	25.03	759.98	639.83	582.61	57.22	11.182		
6,238.51	6,158.23	6,206.65	6,156.34	29.84	28.60	-126.93	24.89	765.07	643.88	586.30	57.58	11.182		
6,250.00	6,169.57	6,218.07	6,167.67	29.90	28.65	-131.45	24.85	766.59	645.09	587.41	57.69	11.183		
6,300.00	6,219.12	6,267.68	6,216.83	30.13	28.88	-160.65	24.68	773.19	650.61	592.47	58.14	11.189		
6,350.00	6,268.78	6,316.87	6,265.59	30.33	29.11	161.68	24.51	779.74	656.51	597.92	58.59	11.204		
6,400.00	6,318.25	6,365.36	6,313.64	30.52	29.34	137.21	24.34	786.19	662.87	603.84	59.04	11.228		
6,450.00	6,367.22	6,412.83	6,360.69	30.69	29.56	125.03	24.17	792.51	669.82	610.35	59.47	11.262		
6,500.00	6,415.39	6,459.00	6,406.45	30.86	29.77	118.73	24.01	798.65	677.55	617.64	59.91	11.309		
6,550.00	6,462.47	6,510.68	6,457.78	31.02	30.01	115.45	23.80	804.57	686.14	625.73	60.40	11.359		
6,600.00	6,508.16	6,558.34	6,515.39	31.18	30.25	113.73	23.41	806.47	695.11	634.20	60.91	11.412		
6,650.00	6,552.18	6,628.92	6,575.84	31.34	30.48	112.82	22.81	802.85	704.31	642.94	61.38	11.475		
6,700.00	6,594.26	6,692.72	6,638.81	31.51	30.71	112.41	21.99	792.86	713.59	651.79	61.80	11.547		
6,750.00	6,634.14	6,760.00	6,703.79	31.68	30.97	112.31	20.91	775.55	722.75	660.59	62.16	11.627		
6,800.00	6,671.58	6,830.98	6,769.95	31.86	31.24	112.40	19.55	749.97	731.62	669.16	62.45	11.714		
6,850.00	6,706.34	6,905.79	6,836.14	32.06	31.55	112.59	17.89	715.23	739.97	677.30	62.67	11.807		
6,900.00	6,738.21	6,984.41	6,900.79	32.27	31.89	112.80	15.92	670.63	747.59	684.76	62.83	11.898		
6,950.00	6,766.99	7,066.63	6,961.97	32.52	32.30	112.98	13.65	615.84	754.27	691.28	62.99	11.975		
7,000.00	6,792.51	7,151.99	7,017.48	32.80	32.79	113.06	11.09	551.12	759.79	696.59	63.21	12.021		
7,050.00	6,814.61	7,239.80	7,065.01	33.12	33.39	113.01	8.31	477.43	763.99	700.39	63.60	12.012		
7,100.00	6,833.15	7,329.12	7,102.49	33.48	34.12	112.78	5.37	396.49	766.74	702.47	64.27	11.930		
7,150.00	6,848.02	7,418.86	7,128.37	33.89	34.97	112.37	2.36	310.69	767.98	702.71	65.27	11.767		
7,200.00	6,859.13	7,507.88	7,141.87	34.35	35.93	111.78	-0.62	222.83	767.71	701.10	66.61	11.525		
7,250.00	6,866.40	7,583.46	7,143.81	34.86	36.82	111.15	-3.10	147.35	766.13	698.01	68.12	11.247		
7,300.00	6,869.79	7,633.28	7,143.23	35.40	37.48	110.93	-4.72	97.55	765.01	695.61	69.40	11.023		
7,327.68	6,870.00	7,660.96	7,142.91	35.71	37.85	110.91	-5.62	69.89	764.81	694.72	70.09	10.912		
7,400.00	6,868.97	7,733.28	7,142.07	36.61	38.88	110.93	-7.98	-2.38	764.69	692.74	71.96	10.627		
7,500.00	6,867.54	7,833.28	7,140.91	38.01	40.43	110.95	-11.23	-102.32	764.53	689.74	74.80	10.222		
7,600.00	6,866.12	7,933.27	7,139.74	39.58	42.12	110.98	-14.49	-202.26	764.37	686.47	77.90	9.813		
7,700.00	6,864.69	8,033.27	7,138.58	41.29	43.92	111.01	-17.75	-302.20	764.20	682.97	81.23	9.408		
7,800.00	6,863.27	8,133.27	7,137.42	43.12	45.84	111.03	-21.00	-402.14	764.04	679.27	84.77	9.013		
7,900.00	6,861.85	8,233.27	7,136.25	45.06	47.84	111.06	-24.26	-502.08	763.88	675.39	88.49	8.633		
8,000.00	6,860.42	8,333.27	7,135.09	47.10	49.93	111.08	-27.52	-602.02	763.71	671.35	92.36	8.269		
8,100.00	6,859.00	8,433.27	7,133.93	49.21	52.09	111.11	-30.77	-701.96	763.55	667.17	96.38	7.922		
8,200.00	6,857.57	8,533.27	7,132.76	51.40	54.31	111.13	-34.03	-801.90	763.39	662.87	100.52	7.595		
8,300.00	6,856.15	8,633.27	7,131.60	53.65	56.59	111.16	-37.29	-901.84	763.22	658.46	104.76	7.285		
8,400.00	6,854.72	8,733.27	7,130.44	55.96	58.92	111.19	-40.54	-1,001.78	763.06	653.96	109.10	6.994		
8,500.00	6,853.30	8,833.27	7,129.28	58.31	61.29	111.21	-43.80	-1,101.72	762.90	649.38	113.52	6.720		
8,600.00	6,851.88	8,933.27	7,128.11	60.70	63.70	111.24	-47.06	-1,201.66	762.73	644.72	118.01	6.463		
8,700.00	6,850.45	9,033.27	7,126.95	63.14	66.14	111.26	-50.31	-1,301.59	762.57	640.00	122.58	6.221		
8,800.00	6,849.03	9,133.27	7,125.79	65.60	68.62	111.29	-53.57	-1,401.53	762.41	635.22	127.19	5.994		
8,900.00	6,847.60	9,233.27	7,124.62	68.10	71.12	111.31	-56.83	-1,501.47	762.25	630.38	131.87	5.781		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,846.18	9,333.26	7,123.46	70.62	73.65	111.34	-60.08	-1,601.41	762.09	625.50	136.58	5.580		
9,100.00	6,844.75	9,433.26	7,122.30	73.17	76.20	111.37	-63.34	-1,701.35	761.92	620.58	141.34	5.391		
9,200.00	6,843.33	9,533.26	7,121.13	75.73	78.77	111.39	-66.60	-1,801.29	761.76	615.63	146.14	5.213		
9,300.00	6,841.91	9,633.26	7,119.97	78.32	81.36	111.42	-69.85	-1,901.23	761.60	610.64	150.97	5.045		
9,400.00	6,840.48	9,733.26	7,118.81	80.92	83.96	111.44	-73.11	-2,001.17	761.44	605.62	155.82	4.887		
9,500.00	6,839.06	9,833.26	7,117.64	83.54	86.58	111.47	-76.37	-2,101.11	761.28	600.57	160.71	4.737		
9,600.00	6,837.63	9,933.26	7,116.48	86.18	89.21	111.50	-79.62	-2,201.05	761.12	595.50	165.62	4.596		
9,700.00	6,836.21	10,033.26	7,115.32	88.82	91.86	111.52	-82.88	-2,300.99	760.96	590.40	170.56	4.462		
9,800.00	6,834.78	10,133.26	7,114.15	91.48	94.52	111.55	-86.14	-2,400.93	760.80	585.29	175.51	4.335		
9,900.00	6,833.36	10,233.26	7,112.99	94.15	97.18	111.57	-89.39	-2,500.87	760.64	580.15	180.48	4.214		
10,000.00	6,831.94	10,333.26	7,111.83	96.83	99.86	111.60	-92.65	-2,600.81	760.48	575.01	185.47	4.100		
10,100.00	6,830.51	10,433.26	7,110.66	99.52	102.55	111.62	-95.91	-2,700.75	760.32	569.84	190.48	3.992		
10,200.00	6,829.09	10,533.26	7,109.50	102.22	105.24	111.65	-99.16	-2,800.69	760.16	564.66	195.50	3.888		
10,300.00	6,827.66	10,633.26	7,108.34	104.92	107.94	111.68	-102.42	-2,900.63	760.00	559.47	200.53	3.790		
10,400.00	6,826.24	10,733.25	7,107.17	107.63	110.65	111.70	-105.68	-3,000.57	759.84	554.27	205.57	3.696		
10,500.00	6,824.81	10,833.25	7,106.01	110.35	113.37	111.73	-108.93	-3,100.51	759.68	549.05	210.62	3.607		
10,600.00	6,823.39	10,933.25	7,104.85	113.08	116.09	111.75	-112.19	-3,200.44	759.52	543.83	215.69	3.521		
10,700.00	6,821.96	11,033.25	7,103.69	115.81	118.82	111.78	-115.45	-3,300.38	759.36	538.60	220.76	3.440		
10,800.00	6,820.54	11,133.25	7,102.52	118.54	121.55	111.81	-118.70	-3,400.32	759.20	533.36	225.84	3.362		
10,900.00	6,819.12	11,233.25	7,101.36	121.29	124.29	111.83	-121.96	-3,500.26	759.04	528.11	230.93	3.287		
11,000.00	6,817.69	11,333.25	7,100.20	124.03	127.03	111.86	-125.22	-3,600.20	758.88	522.85	236.03	3.215		
11,100.00	6,816.27	11,433.25	7,099.03	126.78	129.78	111.89	-128.47	-3,700.14	758.72	517.59	241.13	3.146		
11,200.00	6,814.84	11,533.25	7,097.87	129.54	132.53	111.91	-131.73	-3,800.08	758.57	512.32	246.24	3.081		
11,300.00	6,813.42	11,633.25	7,096.71	132.29	135.29	111.94	-134.99	-3,900.02	758.41	507.05	251.36	3.017		
11,400.00	6,811.99	11,733.25	7,095.54	135.05	138.05	111.96	-138.24	-3,999.96	758.25	501.77	256.48	2.956		
11,500.00	6,810.57	11,833.25	7,094.38	137.82	140.81	111.99	-141.50	-4,099.90	758.09	496.49	261.60	2.898		
11,534.42	6,810.08	11,867.67	7,093.98	138.77	141.76	112.00	-142.62	-4,134.30	758.04	494.67	263.36	2.878		
11,600.00	6,809.15	11,933.24	7,093.22	140.59	143.57	112.06	-144.76	-4,199.83	757.24	490.54	266.70	2.839		
11,645.35	6,808.50	11,978.57	7,092.69	141.85	144.83	112.14	-146.23	-4,245.13	755.87	486.91	268.96	2.810		
11,700.00	6,807.72	12,033.16	7,092.05	143.37	146.34	112.21	-148.01	-4,299.70	753.83	482.16	271.67	2.775		
11,800.00	6,806.30	12,133.08	7,090.89	146.16	149.11	112.35	-151.27	-4,399.55	750.09	473.46	276.62	2.712		
11,900.00	6,804.88	12,232.99	7,089.73	148.94	151.88	112.49	-154.52	-4,499.41	746.35	464.78	281.57	2.651		
12,000.00	6,803.45	12,332.91	7,088.57	151.74	154.65	112.63	-157.77	-4,599.26	742.62	456.12	286.50	2.592		
12,100.00	6,802.03	12,432.82	7,087.41	154.53	157.43	112.77	-161.03	-4,699.11	738.89	447.46	291.43	2.535		
12,200.00	6,800.61	12,532.73	7,086.24	157.32	160.21	112.92	-164.28	-4,798.97	735.17	438.82	296.35	2.481		
12,300.00	6,799.18	12,632.65	7,085.08	160.12	162.99	113.06	-167.53	-4,898.82	731.45	430.20	301.26	2.428		
12,400.00	6,797.76	12,732.56	7,083.92	162.92	165.77	113.21	-170.79	-4,998.68	727.74	421.59	306.15	2.377		
12,500.00	6,796.34	12,832.47	7,082.76	165.72	168.55	113.35	-174.04	-5,098.53	724.03	412.99	311.04	2.328		
12,600.00	6,794.92	12,932.39	7,081.59	168.53	171.34	113.50	-177.30	-5,198.38	720.33	404.42	315.91	2.280		
12,700.00	6,793.49	13,032.30	7,080.43	171.33	174.13	113.66	-180.55	-5,298.24	716.63	395.86	320.78	2.234		
12,800.00	6,792.07	13,132.21	7,079.27	174.14	176.92	113.81	-183.80	-5,398.09	712.94	387.31	325.63	2.189		
12,900.00	6,790.65	13,232.13	7,078.11	176.95	179.71	113.96	-187.06	-5,497.95	709.25	378.79	330.47	2.146		
13,000.00	6,789.22	13,332.04	7,076.95	179.76	182.50	114.12	-190.31	-5,597.80	705.57	370.28	335.29	2.104		
13,100.00	6,787.80	13,431.96	7,075.78	182.57	185.30	114.28	-193.57	-5,697.65	701.89	361.79	340.10	2.064		
13,200.00	6,786.38	13,531.87	7,074.62	185.38	188.09	114.44	-196.82	-5,797.51	698.22	353.33	344.89	2.024		
13,300.00	6,784.95	13,631.78	7,073.46	188.20	190.89	114.60	-200.07	-5,897.36	694.56	344.88	349.67	1.986		
13,400.00	6,783.53	13,731.70	7,072.30	191.01	193.69	114.76	-203.33	-5,997.21	690.89	336.46	354.44	1.949		
13,500.00	6,782.11	13,831.61	7,071.13	193.83	196.49	114.92	-206.58	-6,097.07	687.24	328.05	359.19	1.913		
13,600.00	6,780.68	13,931.52	7,069.97	196.65	199.29	115.09	-209.83	-6,196.92	683.59	319.67	363.92	1.878		
13,700.00	6,779.26	14,031.44	7,068.81	199.47	202.09	115.26	-213.09	-6,296.78	679.95	311.31	368.63	1.845		
13,800.00	6,777.84	14,131.35	7,067.65	202.29	204.90	115.43	-216.34	-6,396.63	676.31	302.98	373.33	1.812		
13,900.00	6,776.42	14,231.26	7,066.49	205.11	207.70	115.60	-219.60	-6,496.48	672.68	294.67	378.01	1.780		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,774.99	14,331.18	7,065.32	207.93	210.50	115.77	-222.85	-6,596.34	669.05	286.39	382.66	1.748		
14,100.00	6,773.57	14,431.09	7,064.16	210.76	213.31	115.95	-226.10	-6,696.19	665.43	278.13	387.30	1.718		
14,200.00	6,772.15	14,531.01	7,063.00	213.58	216.12	116.12	-229.36	-6,796.05	661.82	269.89	391.92	1.689		
14,300.00	6,770.72	14,630.92	7,061.84	216.40	218.93	116.30	-232.61	-6,895.90	658.21	261.69	396.52	1.660		
14,400.00	6,769.30	14,730.83	7,060.67	219.23	221.73	116.48	-235.87	-6,995.75	654.61	253.51	401.10	1.632		
14,500.00	6,767.88	14,830.75	7,059.51	222.06	224.54	116.67	-239.12	-7,095.61	651.02	245.36	405.66	1.605		
14,600.00	6,766.45	14,930.66	7,058.35	224.89	227.35	116.85	-242.37	-7,195.46	647.43	237.24	410.19	1.578		
14,700.00	6,765.03	15,030.57	7,057.19	227.71	230.16	117.04	-245.63	-7,295.32	643.85	229.15	414.70	1.553		
14,800.00	6,763.61	15,130.49	7,056.03	230.54	232.98	117.23	-248.88	-7,395.17	640.28	221.09	419.19	1.527		
14,900.00	6,762.19	15,230.40	7,054.86	233.37	235.79	117.42	-252.13	-7,495.02	636.71	213.06	423.65	1.503		
15,000.00	6,760.76	15,330.32	7,053.70	236.20	238.60	117.61	-255.39	-7,594.88	633.15	205.07	428.08	1.479 Level 3		
15,100.00	6,759.34	15,430.23	7,052.54	239.03	241.42	117.81	-258.64	-7,694.73	629.60	197.10	432.50	1.456 Level 3		
15,200.00	6,757.92	15,530.14	7,051.38	241.86	244.23	118.01	-261.90	-7,794.58	626.05	189.17	436.88	1.433 Level 3		
15,300.00	6,756.49	15,630.06	7,050.21	244.70	247.05	118.21	-265.15	-7,894.44	622.52	181.28	441.24	1.411 Level 3		
15,334.64	6,756.00	15,648.52	7,050.00	245.68	247.57	118.25	-265.75	-7,912.89	621.50	179.25	442.26	1.405 Level 3		
15,335.52	6,755.99	15,648.52	7,050.00	245.70	247.57	118.25	-265.75	-7,912.89	621.50	179.24	442.26	1.405 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5.59	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 CC, ES		
300.00	300.00	299.17	299.15	3.44	3.44	7.09	60.24	7.49	60.71	53.82	6.89	8.813		
400.00	399.98	398.14	397.98	3.60	3.60	-120.05	61.73	12.40	63.85	56.65	7.20	8.864		
500.00	499.84	496.78	496.25	3.79	3.80	-117.38	64.20	20.55	70.45	62.83	7.61	9.254		
600.00	599.45	594.94	593.69	4.03	4.06	-115.26	67.63	31.86	80.44	72.32	8.11	9.913		
700.00	698.70	692.45	690.03	4.30	4.37	-113.72	71.99	46.25	93.74	85.04	8.70	10.778		
785.00	782.69	774.81	770.88	4.56	4.68	-112.79	76.40	60.84	107.59	98.33	9.25	11.628		
800.00	797.47	789.49	785.35	4.60	4.73	-112.70	77.26	63.65	110.23	100.88	9.36	11.783		
900.00	896.04	887.92	881.80	4.94	5.15	-112.21	82.94	82.42	127.89	117.82	10.07	12.704		
1,000.00	994.61	986.34	978.25	5.30	5.60	-111.84	88.63	101.20	145.55	134.72	10.83	13.438		
1,100.00	1,093.18	1,084.77	1,074.70	5.69	6.07	-111.55	94.32	119.97	163.21	151.58	11.64	14.026		
1,200.00	1,191.75	1,183.19	1,171.15	6.08	6.57	-111.31	100.00	138.74	180.88	168.41	12.47	14.500		
1,300.00	1,290.32	1,281.62	1,267.60	6.49	7.08	-111.12	105.69	157.51	198.55	185.21	13.34	14.884		
1,400.00	1,388.89	1,380.04	1,364.05	6.91	7.60	-110.96	111.38	176.29	216.23	202.00	14.23	15.197		
1,500.00	1,487.46	1,478.46	1,460.50	7.34	8.13	-110.82	117.06	195.06	233.90	218.77	15.13	15.455		
1,600.00	1,586.03	1,576.89	1,556.95	7.77	8.67	-110.70	122.75	213.83	251.58	235.52	16.06	15.669		
1,700.00	1,684.61	1,675.31	1,653.40	8.22	9.22	-110.60	128.43	232.60	269.25	252.26	16.99	15.848		
1,800.00	1,783.18	1,773.74	1,749.85	8.66	9.77	-110.51	134.12	251.38	286.93	269.00	17.93	15.999		
1,900.00	1,881.75	1,872.16	1,846.30	9.11	10.33	-110.43	139.81	270.15	304.61	285.72	18.89	16.127		
2,000.00	1,980.32	1,970.59	1,942.75	9.57	10.90	-110.36	145.49	288.92	322.29	302.44	19.85	16.237		
2,100.00	2,078.89	2,069.01	2,039.20	10.02	11.46	-110.30	151.18	307.69	339.97	319.15	20.82	16.331		
2,200.00	2,177.46	2,167.43	2,135.65	10.49	12.03	-110.24	156.87	326.47	357.65	335.85	21.79	16.412		
2,300.00	2,276.03	2,265.86	2,232.10	10.95	12.60	-110.19	162.55	345.24	375.33	352.55	22.77	16.483		
2,400.00	2,374.60	2,364.28	2,328.55	11.41	13.17	-110.14	168.24	364.01	393.00	369.25	23.75	16.544		
2,500.00	2,473.17	2,462.71	2,425.00	11.88	13.75	-110.10	173.93	382.78	410.69	385.94	24.74	16.598		
2,600.00	2,571.74	2,561.13	2,521.45	12.35	14.33	-110.06	179.61	401.56	428.37	402.63	25.73	16.646		
2,700.00	2,670.31	2,659.55	2,617.90	12.82	14.90	-110.02	185.30	420.33	446.05	419.32	26.73	16.688		
2,800.00	2,768.88	2,757.98	2,714.35	13.29	15.48	-109.99	190.99	439.10	463.73	436.00	27.72	16.726		
2,900.00	2,867.45	2,856.40	2,810.80	13.76	16.06	-109.96	196.67	457.87	481.41	452.68	28.72	16.760		
3,000.00	2,966.02	2,954.83	2,907.25	14.24	16.65	-109.93	202.36	476.65	499.09	469.36	29.73	16.790		
3,100.00	3,064.59	3,053.25	3,003.70	14.71	17.23	-109.90	208.05	495.42	516.77	486.04	30.73	16.817		
3,200.00	3,163.16	3,151.68	3,100.15	15.19	17.81	-109.88	213.73	514.19	534.45	502.71	31.74	16.841		
3,300.00	3,261.73	3,250.10	3,196.60	15.66	18.40	-109.85	219.42	532.96	552.13	519.39	32.74	16.863		
3,400.00	3,360.30	3,348.52	3,293.05	16.14	18.98	-109.83	225.11	551.74	569.81	536.06	33.75	16.883		
3,500.00	3,458.87	3,446.95	3,389.50	16.62	19.57	-109.81	230.79	570.51	587.49	552.73	34.76	16.901		
3,600.00	3,557.44	3,545.37	3,485.95	17.10	20.16	-109.79	236.48	589.28	605.18	569.40	35.77	16.917		
3,700.00	3,656.01	3,643.80	3,582.40	17.58	20.74	-109.77	242.17	608.05	622.86	586.07	36.78	16.932		
3,800.00	3,754.58	3,742.22	3,678.85	18.06	21.33	-109.76	247.85	626.83	640.54	602.74	37.80	16.946		
3,900.00	3,853.15	3,840.65	3,775.30	18.54	21.92	-109.74	253.54	645.60	658.22	619.41	38.81	16.959		
4,000.00	3,951.72	3,939.07	3,871.75	19.02	22.51	-109.72	259.23	664.37	675.90	636.07	39.83	16.970		
4,100.00	4,050.29	4,037.49	3,968.20	19.50	23.10	-109.71	264.91	683.14	693.58	652.74	40.84	16.981		
4,200.00	4,148.86	4,135.92	4,064.65	19.98	23.69	-109.69	270.60	701.92	711.27	669.40	41.86	16.991		
4,300.00	4,247.43	4,234.34	4,161.10	20.46	24.28	-109.68	276.29	720.69	728.95	686.07	42.88	17.000		
4,400.00	4,346.00	4,332.77	4,257.55	20.94	24.87	-109.67	281.97	739.46	746.63	702.73	43.90	17.008		
4,500.00	4,444.58	4,431.19	4,354.00	21.43	25.46	-109.66	287.66	758.23	764.31	719.39	44.92	17.016		
4,600.00	4,543.15	4,533.84	4,454.61	21.91	26.07	-109.65	293.36	777.70	781.93	735.96	45.98	17.007		
4,700.00	4,641.72	4,631.86	4,570.90	22.39	26.72	-109.64	299.38	796.92	797.88	750.72	47.16	16.919		
4,800.00	4,740.29	4,730.44	4,668.48	22.87	27.32	-110.31	303.82	811.59	811.43	763.14	48.28	16.805		
4,900.00	4,838.86	4,828.18	4,806.75	23.36	27.85	-111.03	306.85	821.60	822.63	773.28	49.35	16.668		
5,000.00	4,937.43	5,007.67	4,925.10	23.84	28.31	-112.01	308.46	826.91	831.60	781.24	50.36	16.513		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
5,100.00	5,036.00	5,118.58	5,036.00	24.32	28.69	-113.14	308.75	827.85	838.62	787.33	51.28	16.352		
5,200.00	5,134.57	5,217.15	5,134.57	24.81	29.01	-114.18	308.75	827.85	845.46	793.30	52.16	16.209		
5,300.00	5,233.14	5,315.72	5,233.14	25.29	29.34	-115.20	308.75	827.85	852.59	799.55	53.03	16.076		
5,400.00	5,331.71	5,414.29	5,331.71	25.78	29.67	-116.21	308.75	827.85	859.98	806.08	53.90	15.954		
5,500.00	5,430.28	5,512.86	5,430.28	26.26	30.00	-117.19	308.75	827.85	867.64	812.87	54.77	15.842		
5,600.00	5,528.85	5,611.43	5,528.85	26.75	30.33	-118.16	308.75	827.85	875.55	819.92	55.63	15.738		
5,700.00	5,627.42	5,710.00	5,627.42	27.23	30.67	-119.11	308.75	827.85	883.72	827.22	56.49	15.643		
5,800.00	5,725.99	5,808.57	5,725.99	27.72	31.01	-120.05	308.75	827.85	892.13	834.77	57.35	15.555		
5,900.00	5,824.56	5,907.14	5,824.56	28.20	31.35	-120.97	308.75	827.85	900.77	842.56	58.21	15.475		
6,000.00	5,923.13	6,005.71	5,923.13	28.69	31.70	-121.87	308.75	827.85	909.65	850.59	59.06	15.402		
6,100.00	6,021.70	6,104.28	6,021.70	29.17	32.04	-122.75	308.75	827.85	918.75	858.84	59.91	15.335		
6,200.00	6,120.27	6,202.85	6,120.27	29.66	32.39	-123.62	308.75	827.85	928.06	867.30	60.76	15.275		
6,238.51	6,158.23	6,240.81	6,158.23	29.84	32.53	-123.95	308.75	827.85	931.70	870.62	61.08	15.253		
6,250.00	6,169.57	6,252.15	6,169.57	29.90	32.57	-128.55	308.75	827.85	932.81	871.63	61.18	15.247		
6,300.00	6,219.12	6,301.70	6,219.12	30.13	32.74	-158.22	308.75	827.85	937.99	876.40	61.59	15.230		
6,350.00	6,268.78	6,351.36	6,268.78	30.33	32.92	163.55	308.75	827.85	943.67	881.70	61.97	15.228		
6,400.00	6,318.25	6,400.83	6,318.25	30.52	33.10	138.42	308.75	827.85	949.84	887.50	62.34	15.237		
6,450.00	6,367.22	6,449.80	6,367.22	30.69	33.27	125.56	308.75	827.85	956.49	893.80	62.69	15.258		
6,500.00	6,415.39	6,504.86	6,422.27	30.86	33.46	118.63	308.72	827.19	963.59	900.54	63.06	15.282		
6,550.00	6,462.47	6,569.17	6,486.26	31.02	33.63	114.51	308.47	821.05	970.61	907.21	63.40	15.309		
6,600.00	6,508.16	6,635.36	6,551.12	31.18	33.77	111.78	307.94	808.02	977.34	913.64	63.70	15.343		
6,650.00	6,552.18	6,703.32	6,615.94	31.34	33.88	109.83	307.11	787.73	983.70	919.74	63.96	15.381		
6,700.00	6,594.26	6,772.90	6,679.67	31.51	33.96	108.35	305.98	759.92	989.60	925.42	64.17	15.421		
6,750.00	6,634.14	6,843.88	6,741.17	31.68	34.02	107.16	304.54	724.57	994.95	930.58	64.37	15.456		
6,800.00	6,671.58	6,915.99	6,799.21	31.86	34.09	106.15	302.80	681.88	999.70	935.11	64.59	15.479		
6,850.00	6,706.34	6,988.88	6,852.60	32.06	34.19	105.24	300.78	632.35	1,003.77	938.93	64.84	15.480		
6,900.00	6,738.21	7,062.17	6,900.21	32.27	34.33	104.40	298.51	576.74	1,007.13	941.94	65.19	15.449		
6,950.00	6,766.99	7,135.44	6,941.11	32.52	34.55	103.58	296.04	516.04	1,009.76	944.09	65.67	15.377		
7,000.00	6,792.51	7,208.30	6,974.59	32.80	34.87	102.78	293.41	451.42	1,011.64	945.33	66.30	15.258		
7,050.00	6,814.61	7,280.36	7,000.22	33.12	35.29	101.99	290.67	384.18	1,012.78	945.66	67.12	15.089		
7,100.00	6,833.15	7,351.26	7,017.87	33.48	35.82	101.20	287.87	315.60	1,013.23	945.11	68.12	14.875		
7,150.00	6,848.02	7,420.72	7,027.65	33.89	36.46	100.41	285.07	246.93	1,013.00	943.72	69.29	14.620		
7,200.00	6,859.13	7,488.52	7,029.93	34.35	37.17	99.64	282.31	179.25	1,012.16	941.58	70.58	14.340		
7,250.00	6,866.40	7,536.63	7,029.35	34.86	37.77	99.23	280.36	131.19	1,011.23	939.43	71.80	14.084		
7,300.00	6,869.79	7,586.46	7,028.74	35.40	38.40	99.03	278.33	81.41	1,010.52	937.47	73.05	13.833		
7,327.68	6,870.00	7,614.13	7,028.39	35.71	38.79	99.03	277.20	53.76	1,010.20	936.43	73.77	13.693		
7,400.00	6,868.97	7,686.44	7,027.50	36.61	39.89	99.05	274.26	-18.49	1,009.44	933.65	75.80	13.318		
7,500.00	6,867.54	7,786.44	7,026.27	38.01	41.59	99.07	270.18	-118.39	1,008.40	929.48	78.91	12.778		
7,600.00	6,866.12	7,886.43	7,025.04	39.58	43.48	99.09	266.11	-218.30	1,007.35	924.98	82.36	12.230		
7,700.00	6,864.69	7,986.43	7,023.80	41.29	45.54	99.11	262.04	-318.20	1,006.30	920.19	86.11	11.687		
7,800.00	6,863.27	8,086.42	7,022.57	43.12	47.74	99.13	257.97	-418.10	1,005.25	915.15	90.11	11.156		
7,900.00	6,861.85	8,186.41	7,021.33	45.06	50.06	99.15	253.90	-518.01	1,004.21	909.88	94.33	10.646		
8,000.00	6,860.42	8,286.41	7,020.10	47.10	52.49	99.17	249.83	-617.91	1,003.16	904.42	98.74	10.159		
8,100.00	6,859.00	8,386.40	7,018.87	49.21	55.01	99.19	245.76	-717.81	1,002.11	898.78	103.33	9.698		
8,200.00	6,857.57	8,486.39	7,017.63	51.40	57.61	99.21	241.69	-817.72	1,001.07	893.00	108.06	9.264		
8,300.00	6,856.15	8,586.39	7,016.40	53.65	60.29	99.23	237.61	-917.62	1,000.02	887.10	112.92	8.856		
8,400.00	6,854.72	8,686.38	7,015.17	55.96	63.02	99.25	233.54	-1,017.52	998.97	881.07	117.90	8.473		
8,500.00	6,853.30	8,786.38	7,013.93	58.31	65.81	99.27	229.47	-1,117.43	997.93	874.95	122.97	8.115		
8,600.00	6,851.88	8,886.37	7,012.70	60.70	68.64	99.29	225.40	-1,217.33	996.88	868.75	128.13	7.780		
8,700.00	6,850.45	8,986.36	7,011.47	63.14	71.52	99.31	221.33	-1,317.23	995.84	862.46	133.37	7.467		
8,800.00	6,849.03	9,086.36	7,010.23	65.60	74.43	99.34	217.26	-1,417.14	994.79	856.11	138.68	7.173		
8,900.00	6,847.60	9,186.35	7,009.00	68.10	77.38	99.36	213.19	-1,517.04	993.74	849.70	144.04	6.899		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,846.18	9,286.35	7,007.76	70.62	80.35	99.38	209.11	-1,616.94	992.70	843.23	149.46	6.642		
9,100.00	6,844.75	9,386.34	7,006.53	73.17	83.35	99.40	205.04	-1,716.85	991.65	836.72	154.93	6.401		
9,200.00	6,843.33	9,486.33	7,005.30	75.73	86.38	99.42	200.97	-1,816.75	990.61	830.16	160.44	6.174		
9,300.00	6,841.91	9,586.33	7,004.06	78.32	89.42	99.44	196.90	-1,916.65	989.56	823.57	165.99	5.961		
9,400.00	6,840.48	9,686.32	7,002.83	80.92	92.48	99.46	192.83	-2,016.56	988.52	816.94	171.58	5.761		
9,500.00	6,839.06	9,786.32	7,001.60	83.54	95.56	99.48	188.76	-2,116.46	987.47	810.28	177.20	5.573		
9,600.00	6,837.63	9,886.31	7,000.36	86.18	98.66	99.51	184.69	-2,216.36	986.43	803.59	182.84	5.395		
9,700.00	6,836.21	9,986.30	6,999.13	88.82	101.77	99.53	180.62	-2,316.27	985.38	796.87	188.51	5.227		
9,800.00	6,834.78	10,086.30	6,997.90	91.48	104.89	99.55	176.54	-2,416.17	984.34	790.13	194.21	5.068		
9,900.00	6,833.36	10,186.29	6,996.66	94.15	108.02	99.57	172.47	-2,516.07	983.29	783.37	199.92	4.918		
10,000.00	6,831.94	10,286.28	6,995.43	96.83	111.17	99.59	168.40	-2,615.98	982.25	776.59	205.66	4.776		
10,100.00	6,830.51	10,386.28	6,994.20	99.52	114.32	99.61	164.33	-2,715.88	981.21	769.79	211.41	4.641		
10,200.00	6,829.09	10,486.27	6,992.96	102.22	117.48	99.63	160.26	-2,815.78	980.16	762.98	217.19	4.513		
10,300.00	6,827.66	10,586.27	6,991.73	104.92	120.66	99.66	156.19	-2,915.69	979.12	756.15	222.97	4.391		
10,400.00	6,826.24	10,686.26	6,990.49	107.63	123.83	99.68	152.12	-3,015.59	978.08	749.31	228.77	4.275		
10,500.00	6,824.81	10,786.25	6,989.26	110.35	127.02	99.70	148.05	-3,115.49	977.03	742.45	234.58	4.165		
10,600.00	6,823.39	10,886.25	6,988.03	113.08	130.21	99.72	143.97	-3,215.40	975.99	735.58	240.41	4.060		
10,700.00	6,821.96	10,986.24	6,986.79	115.81	133.41	99.74	139.90	-3,315.30	974.95	728.70	246.24	3.959		
10,800.00	6,820.54	11,086.24	6,985.56	118.54	136.61	99.77	135.83	-3,415.20	973.90	721.82	252.09	3.863		
10,900.00	6,819.12	11,186.23	6,984.33	121.29	139.82	99.79	131.76	-3,515.11	972.86	714.92	257.94	3.772		
11,000.00	6,817.69	11,286.22	6,983.09	124.03	143.04	99.81	127.69	-3,615.01	971.82	708.01	263.80	3.684		
11,100.00	6,816.27	11,386.22	6,981.86	126.78	146.26	99.83	123.62	-3,714.91	970.77	701.10	269.68	3.600		
11,200.00	6,814.84	11,486.21	6,980.63	129.54	149.48	99.85	119.55	-3,814.82	969.73	694.18	275.55	3.519		
11,300.00	6,813.42	11,586.20	6,979.39	132.29	152.71	99.88	115.48	-3,914.72	968.69	687.25	281.44	3.442		
11,400.00	6,811.99	11,686.20	6,978.16	135.05	155.94	99.90	111.40	-4,014.62	967.65	680.32	287.33	3.368		
11,500.00	6,810.57	11,786.19	6,976.93	137.82	159.17	99.92	107.33	-4,114.53	966.60	673.38	293.23	3.296		
11,534.42	6,810.08	11,820.61	6,976.50	138.77	160.29	99.93	105.93	-4,148.92	966.25	670.99	295.26	3.273		
11,600.00	6,809.15	11,886.17	6,975.69	140.59	162.41	99.97	103.26	-4,214.42	964.82	665.70	299.13	3.225		
11,645.35	6,808.50	11,931.49	6,975.13	141.85	163.88	100.02	101.42	-4,259.69	962.98	661.18	301.80	3.191		
11,700.00	6,807.72	11,986.07	6,974.46	143.37	165.65	100.05	99.20	-4,314.22	960.32	655.31	305.01	3.148		
11,800.00	6,806.30	12,085.94	6,973.23	146.16	168.89	100.11	95.13	-4,414.01	955.47	644.57	310.90	3.073		
11,900.00	6,804.88	12,185.82	6,971.99	148.94	172.13	100.18	91.06	-4,513.79	950.62	633.83	316.79	3.001		
12,000.00	6,803.45	12,285.70	6,970.76	151.74	175.37	100.24	87.00	-4,613.58	945.77	623.10	322.68	2.931		
12,100.00	6,802.03	12,385.57	6,969.53	154.53	178.62	100.31	82.93	-4,713.36	940.92	612.36	328.57	2.864		
12,200.00	6,800.61	12,485.45	6,968.30	157.32	181.87	100.37	78.86	-4,813.15	936.07	601.62	334.46	2.799		
12,300.00	6,799.18	12,585.33	6,967.07	160.12	185.12	100.44	74.80	-4,912.94	931.23	590.88	340.35	2.736		
12,400.00	6,797.76	12,685.20	6,965.83	162.92	188.38	100.51	70.73	-5,012.72	926.38	580.14	346.25	2.675		
12,500.00	6,796.34	12,785.08	6,964.60	165.72	191.64	100.57	66.66	-5,112.51	921.54	569.40	352.14	2.617		
12,600.00	6,794.92	12,884.96	6,963.37	168.53	194.89	100.64	62.60	-5,212.30	916.70	558.66	358.04	2.560		
12,700.00	6,793.49	12,984.83	6,962.14	171.33	198.15	100.71	58.53	-5,312.08	911.86	547.93	363.93	2.506		
12,800.00	6,792.07	13,084.71	6,960.91	174.14	201.42	100.78	54.46	-5,411.87	907.02	537.19	369.82	2.453		
12,900.00	6,790.65	13,184.59	6,959.67	176.95	204.68	100.85	50.40	-5,511.65	902.18	526.46	375.72	2.401		
13,000.00	6,789.22	13,284.46	6,958.44	179.76	207.94	100.92	46.33	-5,611.44	897.34	515.73	381.61	2.351		
13,100.00	6,787.80	13,384.34	6,957.21	182.57	211.21	101.00	42.26	-5,711.23	892.51	505.00	387.50	2.303		
13,200.00	6,786.38	13,484.22	6,955.98	185.38	214.48	101.07	38.20	-5,811.01	887.67	494.28	393.39	2.256		
13,300.00	6,784.95	13,584.09	6,954.74	188.20	217.75	101.14	34.13	-5,910.80	882.84	483.56	399.28	2.211		
13,400.00	6,783.53	13,683.97	6,953.51	191.01	221.02	101.22	30.06	-6,010.59	878.01	472.84	405.17	2.167		
13,500.00	6,782.11	13,783.85	6,952.28	193.83	224.29	101.29	26.00	-6,110.37	873.18	462.13	411.05	2.124		
13,600.00	6,780.68	13,883.72	6,951.05	196.65	227.56	101.37	21.93	-6,210.16	868.35	451.42	416.93	2.083		
13,700.00	6,779.26	13,983.60	6,949.82	199.47	230.84	101.45	17.87	-6,309.94	863.52	440.71	422.81	2.042		
13,800.00	6,777.84	14,083.48	6,948.58	202.29	234.11	101.52	13.80	-6,409.73	858.70	430.01	428.69	2.003		
13,900.00	6,776.42	14,183.35	6,947.35	205.11	237.39	101.60	9.73	-6,509.52	853.87	419.31	434.56	1.965		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,000.00	6,774.99	14,283.23	6,946.12	207.93	240.67	101.68	5.67	-6,609.30	849.05	408.62	440.43	1.928	
14,100.00	6,773.57	14,383.11	6,944.89	210.76	243.94	101.76	1.60	-6,709.09	844.23	397.93	446.30	1.892	
14,200.00	6,772.15	14,482.98	6,943.66	213.58	247.22	101.84	-2.47	-6,808.88	839.41	387.25	452.17	1.856	
14,300.00	6,770.72	14,582.86	6,942.42	216.40	250.50	101.93	-6.53	-6,908.66	834.60	376.57	458.03	1.822	
14,400.00	6,769.30	14,682.74	6,941.19	219.23	253.78	102.01	-10.60	-7,008.45	829.78	365.90	463.88	1.789	
14,500.00	6,767.88	14,782.61	6,939.96	222.06	257.07	102.10	-14.67	-7,108.23	824.97	355.23	469.73	1.756	
14,600.00	6,766.45	14,882.49	6,938.73	224.89	260.35	102.18	-18.73	-7,208.02	820.16	344.58	475.58	1.725	
14,700.00	6,765.03	14,982.37	6,937.49	227.71	263.63	102.27	-22.80	-7,307.81	815.35	333.92	481.43	1.694	
14,800.00	6,763.61	15,082.24	6,936.26	230.54	266.92	102.35	-26.87	-7,407.59	810.54	323.28	487.26	1.663	
14,900.00	6,762.19	15,182.12	6,935.03	233.37	270.20	102.44	-30.93	-7,507.38	805.74	312.64	493.10	1.634	
15,000.00	6,760.76	15,282.00	6,933.80	236.20	273.49	102.53	-35.00	-7,607.17	800.93	302.01	498.93	1.605	
15,100.00	6,759.34	15,381.87	6,932.57	239.03	276.77	102.62	-39.07	-7,706.95	796.13	291.38	504.75	1.577	
15,200.00	6,757.92	15,481.75	6,931.33	241.86	280.06	102.72	-43.13	-7,806.74	791.33	280.76	510.56	1.550	
15,300.00	6,756.49	15,581.63	6,930.10	244.70	283.35	102.81	-47.20	-7,906.52	786.53	270.16	516.38	1.523	
15,334.64	6,756.00	15,589.88	6,930.00	245.68	283.62	102.82	-47.54	-7,914.77	785.31	267.82	517.49	1.518	
15,335.52	6,755.99	15,589.88	6,930.00	245.70	283.62	102.82	-47.54	-7,914.77	785.30	267.80	517.50	1.517 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-174.68	-14.94	-1.39	15.00					
100.00	100.00	100.00	100.00	3.28	3.28	-174.68	-14.94	-1.39	15.00	8.43	6.57	2.283		
200.00	200.00	200.00	200.00	3.34	3.34	-174.68	-14.94	-1.39	15.00	8.33	6.67	2.248		
300.00	300.00	300.00	300.00	3.44	3.44	-174.68	-14.94	-1.39	15.00	8.11	6.89	2.177 CC		
400.00	399.98	399.66	399.64	3.60	3.60	55.65	-16.18	-0.19	15.14	7.94	7.20	2.104 ES		
500.00	499.84	499.32	499.16	3.79	3.79	56.89	-19.92	3.42	15.56	7.97	7.59	2.051		
600.00	599.45	598.97	598.43	4.03	4.02	58.82	-26.15	9.44	16.28	8.21	8.06	2.019		
700.00	698.70	698.62	697.34	4.30	4.29	61.23	-34.85	17.84	17.30	8.70	8.61	2.010		
785.00	782.69	783.32	781.03	4.56	4.55	63.52	-44.19	26.86	18.44	9.32	9.12	2.021		
800.00	797.47	798.30	795.79	4.60	4.60	63.86	-46.02	28.63	18.68	9.46	9.22	2.026		
900.00	896.04	898.28	894.32	4.94	4.93	65.82	-58.26	40.45	20.30	10.42	9.88	2.054		
1,000.00	994.61	1,001.73	992.84	5.30	5.31	67.49	-70.51	52.27	21.94	11.33	10.60	2.069		
1,100.00	1,093.18	1,101.75	1,091.37	5.69	5.69	68.92	-82.75	64.09	23.59	12.24	11.35	2.078		
1,200.00	1,191.75	1,201.76	1,189.89	6.08	6.09	70.17	-94.99	75.92	25.26	13.13	12.14	2.082		
1,300.00	1,290.32	1,301.78	1,288.42	6.49	6.50	71.26	-107.23	87.74	26.94	14.00	12.95	2.081		
1,400.00	1,388.89	1,401.80	1,386.94	6.91	6.92	72.22	-119.47	99.56	28.63	14.86	13.78	2.078		
1,500.00	1,487.46	1,501.81	1,485.47	7.34	7.35	73.08	-131.72	111.38	30.33	15.70	14.62	2.074		
1,600.00	1,586.03	1,601.83	1,584.00	7.77	7.78	73.84	-143.96	123.20	32.03	16.54	15.49	2.068		
1,700.00	1,684.61	1,701.84	1,682.52	8.22	8.22	74.53	-156.20	135.03	33.74	17.37	16.37	2.061		
1,800.00	1,783.18	1,801.86	1,781.05	8.66	8.67	75.15	-168.44	146.85	35.45	18.19	17.25	2.055		
1,900.00	1,881.75	1,901.87	1,879.57	9.11	9.12	75.71	-180.68	158.67	37.16	19.01	18.15	2.048		
2,000.00	1,980.32	2,001.89	1,978.10	9.57	9.58	76.23	-192.93	170.49	38.88	19.83	19.05	2.041		
2,100.00	2,078.89	2,101.90	2,076.62	10.02	10.04	76.70	-205.17	182.31	40.60	20.64	19.96	2.034		
2,200.00	2,177.46	2,201.92	2,175.15	10.49	10.50	77.13	-217.41	194.14	42.32	21.44	20.88	2.027		
2,300.00	2,276.03	2,301.93	2,273.67	10.95	10.96	77.53	-229.65	205.96	44.05	22.25	21.80	2.020		
2,400.00	2,374.60	2,401.95	2,372.20	11.41	11.43	77.90	-241.89	217.78	45.78	23.05	22.73	2.014		
2,500.00	2,473.17	2,501.96	2,470.73	11.88	11.90	78.24	-254.14	229.60	47.51	23.85	23.66	2.008		
2,600.00	2,571.74	2,601.98	2,569.25	12.35	12.37	78.56	-266.38	241.42	49.24	24.64	24.59	2.002		
2,700.00	2,670.31	2,702.00	2,667.78	12.82	12.84	78.85	-278.62	253.24	50.97	25.44	25.53	1.996		
2,800.00	2,768.88	2,802.01	2,766.30	13.29	13.31	79.13	-290.86	265.07	52.70	26.23	26.47	1.991		
2,900.00	2,867.45	2,902.03	2,864.83	13.76	13.79	79.39	-303.10	276.89	54.44	27.03	27.41	1.986		
3,000.00	2,966.02	3,002.04	2,963.35	14.24	14.26	79.63	-315.35	288.71	56.18	27.82	28.36	1.981		
3,100.00	3,064.59	3,102.06	3,061.88	14.71	14.74	79.86	-327.59	300.53	57.91	28.61	29.31	1.976		
3,200.00	3,163.16	3,202.07	3,160.41	15.19	15.21	80.07	-339.83	312.35	59.65	29.40	30.25	1.972		
3,300.00	3,261.73	3,302.09	3,258.93	15.66	15.69	80.28	-352.07	324.18	61.39	30.18	31.20	1.967		
3,400.00	3,360.30	3,397.90	3,357.46	16.14	16.15	80.47	-364.31	336.00	63.13	30.99	32.14	1.964		
3,500.00	3,458.87	3,502.12	3,455.98	16.62	16.65	80.65	-376.56	347.82	64.87	31.76	33.11	1.959		
3,600.00	3,557.44	3,602.13	3,554.51	17.10	17.13	80.82	-388.80	359.64	66.61	32.54	34.06	1.955		
3,700.00	3,656.01	3,702.15	3,653.03	17.58	17.61	80.98	-401.04	371.46	68.35	33.33	35.02	1.952		
3,800.00	3,754.58	3,802.16	3,751.56	18.06	18.09	81.14	-413.28	383.29	70.09	34.11	35.98	1.948		
3,900.00	3,853.15	3,902.18	3,850.09	18.54	18.57	81.29	-425.52	395.11	71.83	34.90	36.94	1.945		
4,000.00	3,951.72	4,002.19	3,948.61	19.02	19.05	81.43	-437.77	406.93	73.58	35.68	37.89	1.942		
4,100.00	4,050.29	4,102.21	4,047.14	19.50	19.53	81.56	-450.01	418.75	75.32	36.47	38.85	1.939		
4,200.00	4,148.86	4,202.23	4,145.66	19.98	20.02	81.69	-462.25	430.57	77.06	37.25	39.81	1.936		
4,300.00	4,247.43	4,302.24	4,244.19	20.46	20.50	81.81	-474.49	442.40	78.81	38.03	40.78	1.933		
4,400.00	4,346.00	4,402.26	4,342.71	20.94	20.98	81.93	-486.73	454.22	80.55	38.81	41.74	1.930		
4,500.00	4,444.58	4,502.27	4,441.24	21.43	21.47	82.04	-498.98	466.04	82.30	39.60	42.70	1.927		
4,600.00	4,543.15	4,602.29	4,539.77	21.91	21.95	82.15	-511.22	477.86	84.04	40.38	43.66	1.925		
4,700.00	4,641.72	4,702.30	4,638.29	22.39	22.43	82.25	-523.46	489.68	85.79	41.16	44.63	1.922		
4,800.00	4,740.29	4,802.32	4,736.82	22.87	22.92	82.35	-535.70	501.51	87.53	41.94	45.59	1.920		
4,900.00	4,838.86	4,902.33	4,835.34	23.36	23.40	82.44	-547.94	513.33	89.28	42.72	46.55	1.918		
5,000.00	4,937.43	5,002.35	4,933.87	23.84	23.89	82.53	-560.19	525.15	91.02	43.50	47.52	1.915		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,102.36	5,032.39	24.32	24.37	82.62	-572.43	536.97	92.77	44.28	48.49	1.913		
5,200.00	5,134.57	5,202.38	5,130.92	24.81	24.86	82.71	-584.67	548.79	94.51	45.06	49.45	1.911		
5,300.00	5,233.14	5,302.39	5,229.45	25.29	25.34	82.79	-596.91	560.61	96.26	45.84	50.42	1.909		
5,400.00	5,331.71	5,402.41	5,327.97	25.78	25.83	82.87	-609.15	572.44	98.01	46.62	51.38	1.907		
5,500.00	5,430.28	5,502.42	5,426.50	26.26	26.31	82.94	-621.40	584.26	99.75	47.40	52.35	1.905		
5,600.00	5,528.85	5,602.44	5,525.02	26.75	26.80	83.02	-633.64	596.08	101.50	48.18	53.32	1.904		
5,700.00	5,627.42	5,702.46	5,623.55	27.23	27.28	83.09	-645.88	607.90	103.25	48.96	54.29	1.902		
5,800.00	5,725.99	5,802.47	5,722.07	27.72	27.77	83.16	-658.12	619.72	105.00	49.74	55.25	1.900		
5,900.00	5,824.56	5,897.51	5,820.60	28.20	28.23	83.22	-670.36	631.55	106.74	50.54	56.20	1.899		
6,000.00	5,923.13	6,002.50	5,919.12	28.69	28.74	83.29	-682.61	643.37	108.49	51.30	57.19	1.897		
6,100.00	6,021.70	6,102.52	6,017.65	29.17	29.23	83.35	-694.85	655.19	110.24	52.08	58.16	1.895		
6,200.00	6,120.27	6,202.53	6,116.18	29.66	29.72	83.41	-707.09	667.01	111.99	52.86	59.13	1.894		
6,238.51	6,158.23	6,235.97	6,154.12	29.84	29.88	83.43	-711.80	671.56	112.66	53.18	59.48	1.894		
6,250.00	6,169.57	6,247.46	6,165.44	29.90	29.93	78.99	-713.21	672.92	112.80	53.21	59.59	1.893		
6,300.00	6,219.12	6,297.39	6,214.64	30.13	30.18	48.82	-719.32	678.83	112.02	52.00	60.02	1.866		
6,350.00	6,268.78	6,346.98	6,263.51	30.33	30.42	8.03	-725.40	684.69	109.19	48.82	60.37	1.809		
6,400.00	6,318.25	6,404.06	6,311.75	30.52	30.70	-21.93	-731.39	690.48	104.84	44.18	60.65	1.728		
6,450.00	6,367.22	6,443.95	6,359.06	30.69	30.89	-42.12	-737.27	696.16	99.96	39.26	60.70	1.647		
6,500.00	6,415.39	6,490.72	6,405.15	30.86	31.12	-58.94	-742.99	701.69	96.17	35.56	60.61	1.587		
6,531.65	6,445.34	6,519.56	6,433.57	30.96	31.26	-69.06	-746.53	705.10	95.30	34.84	60.46	1.576		
6,550.00	6,462.47	6,535.97	6,449.74	31.02	31.34	-74.79	-748.53	707.04	95.65	35.29	60.36	1.585		
6,600.00	6,508.16	6,579.41	6,492.54	31.18	31.55	-89.65	-753.85	712.17	100.73	40.59	60.13	1.675		
6,650.00	6,552.18	6,624.63	6,537.23	31.34	31.76	-103.16	-759.44	716.13	112.21	52.05	60.16	1.865		
6,700.00	6,594.26	6,671.99	6,584.21	31.51	31.97	-114.24	-765.38	716.85	128.47	68.19	60.28	2.131		
6,750.00	6,634.14	6,721.67	6,633.38	31.68	32.16	-123.10	-771.69	713.82	147.96	87.78	60.18	2.459		
6,800.00	6,671.58	6,774.04	6,684.78	31.86	32.35	-130.14	-778.37	706.46	169.48	109.81	59.67	2.840		
6,850.00	6,706.34	6,829.55	6,738.40	32.06	32.54	-135.77	-785.45	694.03	192.15	133.52	58.63	3.277		
6,900.00	6,738.21	6,888.71	6,794.11	32.27	32.73	-140.33	-792.93	675.66	215.32	158.34	56.98	3.779		
6,950.00	6,766.99	6,952.11	6,851.64	32.52	32.93	-144.07	-800.79	650.27	238.43	183.79	54.64	4.364		
7,000.00	6,792.51	7,020.40	6,910.46	32.80	33.14	-147.18	-809.00	616.63	260.98	209.45	51.53	5.065		
7,050.00	6,814.61	7,094.24	6,969.61	33.12	33.37	-149.77	-817.46	573.32	282.46	234.88	47.59	5.936		
7,100.00	6,833.15	7,174.26	7,027.61	33.48	33.63	-151.93	-826.02	518.93	302.37	259.57	42.80	7.065		
7,150.00	6,848.02	7,260.93	7,082.23	33.89	33.96	-153.72	-834.42	452.25	320.12	282.84	37.28	8.587		
7,200.00	6,859.13	7,354.39	7,130.45	34.35	34.41	-155.15	-842.30	372.68	335.14	303.70	31.44	10.659		
7,250.00	6,866.40	7,454.21	7,168.58	34.86	35.03	-156.25	-849.17	280.80	346.83	320.52	26.31	13.184		
7,300.00	6,869.79	7,559.27	7,192.80	35.40	35.89	-157.01	-854.49	178.83	354.65	330.85	23.80	14.899		
7,327.68	6,870.00	7,619.02	7,199.03	35.71	36.48	-157.28	-856.59	119.47	357.16	332.87	24.29	14.703		
7,400.00	6,868.97	7,717.77	7,199.09	36.61	37.57	-157.49	-858.78	20.76	357.45	331.00	26.45	13.515		
7,500.00	6,867.54	7,817.77	7,197.28	38.01	38.87	-157.61	-860.75	-79.19	356.70	328.66	28.04	12.721		
7,600.00	6,866.12	7,917.76	7,195.46	39.58	40.35	-157.74	-862.73	-179.15	355.96	326.16	29.80	11.947		
7,700.00	6,864.69	8,017.76	7,193.64	41.29	41.97	-157.86	-864.71	-279.11	355.21	323.53	31.68	11.211		
7,800.00	6,863.27	8,117.75	7,191.83	43.12	43.73	-157.99	-866.68	-379.07	354.47	320.79	33.68	10.525		
7,900.00	6,861.85	8,217.74	7,190.01	45.06	45.60	-158.12	-868.66	-479.03	353.73	317.97	35.76	9.892		
8,000.00	6,860.42	8,317.74	7,188.19	47.10	47.57	-158.24	-870.64	-578.98	352.99	315.09	37.91	9.312		
8,100.00	6,859.00	8,417.73	7,186.37	49.21	49.62	-158.37	-872.61	-678.94	352.26	312.15	40.11	8.783		
8,200.00	6,857.57	8,517.73	7,184.56	51.40	51.75	-158.50	-874.59	-778.90	351.52	309.17	42.35	8.300		
8,300.00	6,856.15	8,617.72	7,182.74	53.65	53.95	-158.63	-876.56	-878.86	350.79	306.16	44.63	7.860		
8,400.00	6,854.72	8,717.71	7,180.92	55.96	56.21	-158.76	-878.54	-978.82	350.06	303.13	46.93	7.459		
8,500.00	6,853.30	8,817.71	7,179.11	58.31	58.52	-158.89	-880.52	-1,078.78	349.33	300.08	49.25	7.093		
8,600.00	6,851.88	8,917.70	7,177.29	60.70	60.88	-159.02	-882.49	-1,178.73	348.60	297.02	51.58	6.758		
8,700.00	6,850.45	9,017.70	7,175.47	63.14	63.28	-159.15	-884.47	-1,278.69	347.87	293.95	53.93	6.451		
8,800.00	6,849.03	9,117.69	7,173.65	65.60	65.71	-159.28	-886.44	-1,378.65	347.15	290.87	56.28	6.169		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	9,217.69	7,171.84	68.10	68.18	-159.42	-888.42	-1,478.61	346.43	287.80	58.63	5.909		
9,000.00	6,846.18	9,317.68	7,170.02	70.62	70.67	-159.55	-890.40	-1,578.57	345.71	284.72	60.99	5.669		
9,100.00	6,844.75	9,417.67	7,168.20	73.17	73.19	-159.68	-892.37	-1,678.52	344.99	281.65	63.34	5.447		
9,200.00	6,843.33	9,517.67	7,166.39	75.73	75.74	-159.82	-894.35	-1,778.48	344.27	278.58	65.69	5.241		
9,300.00	6,841.91	9,617.66	7,164.57	78.32	78.30	-159.95	-896.32	-1,878.44	343.56	275.52	68.04	5.050		
9,400.00	6,840.48	9,717.66	7,162.75	80.92	80.88	-160.09	-898.30	-1,978.40	342.85	272.47	70.38	4.872		
9,500.00	6,839.06	9,817.65	7,160.94	83.54	83.49	-160.22	-900.28	-2,078.36	342.14	269.43	72.71	4.706		
9,600.00	6,837.63	9,917.64	7,159.12	86.18	86.10	-160.36	-902.25	-2,178.32	341.43	266.39	75.03	4.550		
9,700.00	6,836.21	10,017.64	7,157.30	88.82	88.73	-160.50	-904.23	-2,278.27	340.72	263.37	77.35	4.405		
9,800.00	6,834.78	10,117.63	7,155.48	91.48	91.38	-160.63	-906.21	-2,378.23	340.01	260.36	79.66	4.269		
9,900.00	6,833.36	10,217.63	7,153.67	94.15	94.03	-160.77	-908.18	-2,478.19	339.31	257.36	81.95	4.140		
10,000.00	6,831.94	10,317.62	7,151.85	96.83	96.70	-160.91	-910.16	-2,578.15	338.61	254.37	84.24	4.020		
10,100.00	6,830.51	10,417.62	7,150.03	99.52	99.38	-161.05	-912.13	-2,678.11	337.91	251.40	86.51	3.906		
10,200.00	6,829.09	10,517.61	7,148.22	102.22	102.06	-161.19	-914.11	-2,778.06	337.21	248.44	88.77	3.799		
10,300.00	6,827.66	10,617.60	7,146.40	104.92	104.76	-161.33	-916.09	-2,878.02	336.52	245.50	91.02	3.697		
10,400.00	6,826.24	10,717.60	7,144.58	107.63	107.46	-161.47	-918.06	-2,977.98	335.83	242.57	93.26	3.601		
10,500.00	6,824.81	10,817.59	7,142.76	110.35	110.17	-161.61	-920.04	-3,077.94	335.14	239.65	95.48	3.510		
10,600.00	6,823.39	10,917.59	7,140.95	113.08	112.89	-161.75	-922.01	-3,177.90	334.45	236.75	97.69	3.423		
10,700.00	6,821.96	11,017.58	7,139.13	115.81	115.61	-161.90	-923.99	-3,277.85	333.76	233.87	99.89	3.341		
10,800.00	6,820.54	11,117.58	7,137.31	118.54	118.34	-162.04	-925.97	-3,377.81	333.07	231.00	102.07	3.263		
10,900.00	6,819.12	11,217.57	7,135.50	121.29	121.07	-162.18	-927.94	-3,477.77	332.39	228.15	104.24	3.189		
11,000.00	6,817.69	11,317.56	7,133.68	124.03	123.81	-162.33	-929.92	-3,577.73	331.71	225.31	106.40	3.118		
11,100.00	6,816.27	11,417.56	7,131.86	126.78	126.56	-162.47	-931.89	-3,677.69	331.03	222.49	108.54	3.050		
11,200.00	6,814.84	11,517.55	7,130.04	129.54	129.30	-162.62	-933.87	-3,777.65	330.36	219.69	110.67	2.985		
11,300.00	6,813.42	11,617.55	7,128.23	132.29	132.06	-162.77	-935.85	-3,877.60	329.68	216.90	112.78	2.923		
11,400.00	6,811.99	11,717.54	7,126.41	135.05	134.81	-162.91	-937.82	-3,977.56	329.01	214.13	114.88	2.864		
11,500.00	6,810.57	11,817.53	7,124.59	137.82	137.58	-163.06	-939.80	-4,077.52	328.34	211.38	116.96	2.807		
11,534.42	6,810.08	11,851.96	7,123.97	138.77	138.53	-163.11	-940.48	-4,111.93	328.11	210.43	117.68	2.788		
11,600.00	6,809.15	11,917.53	7,122.78	140.59	140.34	-163.06	-941.78	-4,177.48	327.89	208.53	119.36	2.747		
11,600.23	6,809.14	11,917.76	7,122.77	140.60	140.35	-163.06	-941.78	-4,177.71	327.89	208.52	119.37	2.747		
11,645.35	6,808.50	11,962.87	7,121.95	141.85	141.59	-162.88	-942.67	-4,222.81	328.00	207.07	120.93	2.712		
11,700.00	6,807.72	12,017.50	7,120.96	143.37	143.11	-162.61	-943.75	-4,277.41	328.25	205.23	123.03	2.668		
11,800.00	6,806.30	12,117.46	7,119.14	146.16	145.88	-162.11	-945.73	-4,377.33	328.75	201.83	126.92	2.590		
11,900.00	6,804.88	12,217.41	7,117.33	148.94	148.65	-161.62	-947.70	-4,477.25	329.26	198.37	130.89	2.516		
12,000.00	6,803.45	12,317.37	7,115.51	151.74	151.42	-161.12	-949.68	-4,577.18	329.81	194.87	134.93	2.444		
12,100.00	6,802.03	12,417.33	7,113.69	154.53	154.20	-160.63	-951.65	-4,677.10	330.37	191.32	139.05	2.376		
12,200.00	6,800.61	12,517.29	7,111.88	157.32	156.98	-160.14	-953.63	-4,777.02	330.96	187.73	143.24	2.311		
12,300.00	6,799.18	12,617.25	7,110.06	160.12	159.76	-159.65	-955.60	-4,876.94	331.58	184.08	147.50	2.248		
12,400.00	6,797.76	12,717.20	7,108.25	162.92	162.55	-159.16	-957.58	-4,976.86	332.22	180.39	151.82	2.188		
12,500.00	6,796.34	12,817.16	7,106.43	165.72	165.34	-158.68	-959.55	-5,076.79	332.88	176.66	156.22	2.131		
12,600.00	6,794.92	12,917.12	7,104.61	168.53	168.12	-158.20	-961.53	-5,176.71	333.57	172.88	160.69	2.076		
12,700.00	6,793.49	13,017.08	7,102.80	171.33	170.91	-157.71	-963.50	-5,276.63	334.28	169.06	165.22	2.023		
12,800.00	6,792.07	13,117.04	7,100.98	174.14	173.71	-157.24	-965.48	-5,376.55	335.01	165.19	169.82	1.973		
12,900.00	6,790.65	13,216.99	7,099.16	176.95	176.50	-156.76	-967.46	-5,476.48	335.77	161.29	174.48	1.924		
13,000.00	6,789.22	13,316.95	7,097.35	179.76	179.30	-156.28	-969.43	-5,576.40	336.55	157.34	179.20	1.878		
13,100.00	6,787.80	13,416.91	7,095.53	182.57	182.10	-155.81	-971.41	-5,676.32	337.35	153.36	183.99	1.834		
13,200.00	6,786.38	13,516.87	7,093.71	185.38	184.89	-155.34	-973.38	-5,776.24	338.18	149.34	188.84	1.791		
13,300.00	6,784.95	13,616.83	7,091.90	188.20	187.69	-154.87	-975.36	-5,876.16	339.03	145.28	193.75	1.750		
13,400.00	6,783.53	13,716.79	7,090.08	191.01	190.50	-154.41	-977.33	-5,976.09	339.90	141.18	198.72	1.710		
13,500.00	6,782.11	13,816.74	7,088.26	193.83	193.30	-153.94	-979.31	-6,076.01	340.79	137.05	203.74	1.673		
13,600.00	6,780.68	13,916.70	7,086.45	196.65	196.10	-153.48	-981.28	-6,175.93	341.71	132.89	208.82	1.636		
13,700.00	6,779.26	14,016.66	7,084.63	199.47	198.91	-153.03	-983.26	-6,275.85	342.65	128.69	213.95	1.601		

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 34N-6A-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 34N-6A-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		
13,800.00	6,777.84	14,116.62	7,082.82	202.29	201.72	-152.57	-985.23	-6,375.77	343.61	124.46	219.14	1.568		
13,900.00	6,776.42	14,216.58	7,081.00	205.11	204.52	-152.12	-987.21	-6,475.70	344.59	120.20	224.38	1.536		
14,000.00	6,774.99	14,316.53	7,079.18	207.93	207.33	-151.67	-989.18	-6,575.62	345.59	115.91	229.68	1.505		
14,100.00	6,773.57	14,416.49	7,077.37	210.76	210.14	-151.22	-991.16	-6,675.54	346.61	111.60	235.02	1.475 Level 3		
14,200.00	6,772.15	14,516.45	7,075.55	213.58	212.95	-150.77	-993.14	-6,775.46	347.66	107.25	240.41	1.446 Level 3		
14,300.00	6,770.72	14,616.41	7,073.73	216.40	215.77	-150.33	-995.11	-6,875.38	348.73	102.88	245.85	1.418 Level 3		
14,400.00	6,769.30	14,716.37	7,071.92	219.23	218.58	-149.89	-997.09	-6,975.31	349.81	98.48	251.33	1.392 Level 3		
14,500.00	6,767.88	14,816.32	7,070.10	222.06	221.39	-149.45	-999.06	-7,075.23	350.92	94.06	256.86	1.366 Level 3		
14,600.00	6,766.45	14,916.28	7,068.28	224.89	224.21	-149.02	-1,001.04	-7,175.15	352.05	89.62	262.43	1.341 Level 3		
14,700.00	6,765.03	15,016.24	7,066.47	227.71	227.02	-148.59	-1,003.01	-7,275.07	353.19	85.15	268.04	1.318 Level 3		
14,800.00	6,763.61	15,116.20	7,064.65	230.54	229.84	-148.16	-1,004.99	-7,375.00	354.36	80.66	273.70	1.295 Level 3		
14,900.00	6,762.19	15,216.16	7,062.83	233.37	232.66	-147.73	-1,006.96	-7,474.92	355.55	76.16	279.39	1.273 Level 3		
15,000.00	6,760.76	15,316.12	7,061.02	236.20	235.47	-147.31	-1,008.94	-7,574.84	356.76	71.63	285.13	1.251 Level 3		
15,100.00	6,759.34	15,416.07	7,059.20	239.03	238.29	-146.89	-1,010.91	-7,674.76	357.98	67.08	290.90	1.231 Level 2		
15,200.00	6,757.92	15,516.03	7,057.39	241.86	241.11	-146.47	-1,012.89	-7,774.68	359.23	62.52	296.71	1.211 Level 2		
15,300.00	6,756.49	15,615.99	7,055.57	244.70	243.93	-146.06	-1,014.87	-7,874.61	360.49	57.94	302.55	1.192 Level 2		
15,334.64	6,756.00	15,650.61	7,054.94	245.68	244.91	-145.92	-1,015.55	-7,909.22	360.93	56.35	304.58	1.185 Level 2		
15,335.52	6,755.99	15,651.50	7,054.92	245.70	244.93	-145.91	-1,015.57	-7,910.10	360.95	56.31	304.64	1.185 Level 2, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-29.88	-3.06	30.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.15	-29.88	-3.06	30.03	23.46	6.57	4.572		
200.00	200.00	200.00	200.00	3.34	3.34	-174.15	-29.88	-3.06	30.03	23.36	6.67	4.500 CC, ES		
300.00	300.00	299.15	299.13	3.44	3.44	-176.13	-31.31	-2.12	31.39	24.50	6.89	4.556		
400.00	399.98	398.17	398.01	3.60	3.59	50.87	-35.60	0.71	34.54	27.33	7.21	4.790		
500.00	499.84	497.04	496.51	3.79	3.79	49.61	-42.73	5.40	38.38	30.76	7.62	5.036		
600.00	599.45	595.77	594.51	4.03	4.03	49.60	-52.67	11.95	42.85	34.74	8.11	5.282		
700.00	698.70	694.34	691.89	4.30	4.30	50.48	-65.41	20.34	47.95	39.27	8.67	5.527		
785.00	782.69	778.05	774.14	4.56	4.57	51.71	-78.41	28.91	52.79	43.59	9.20	5.739		
800.00	797.47	793.03	788.81	4.60	4.62	51.99	-80.90	30.54	53.66	44.37	9.29	5.777		
900.00	896.04	907.16	886.63	4.94	5.03	53.61	-97.48	41.46	59.55	49.56	9.99	5.960		
1,000.00	994.61	1,007.35	984.45	5.30	5.41	54.95	-114.05	52.38	65.47	54.78	10.70	6.121		
1,100.00	1,093.18	1,107.53	1,082.27	5.69	5.81	56.06	-130.63	63.30	71.43	59.99	11.44	6.243		
1,200.00	1,191.75	1,207.72	1,180.09	6.08	6.23	57.00	-147.20	74.21	77.41	65.19	12.22	6.335		
1,300.00	1,290.32	1,307.91	1,277.92	6.49	6.66	57.80	-163.78	85.13	83.40	70.38	13.02	6.404		
1,400.00	1,388.89	1,408.09	1,375.74	6.91	7.10	58.50	-180.36	96.05	89.41	75.56	13.85	6.457		
1,500.00	1,487.46	1,508.28	1,473.56	7.34	7.55	59.10	-196.93	106.97	95.43	80.74	14.69	6.496		
1,600.00	1,586.03	1,608.46	1,571.38	7.77	8.01	59.64	-213.51	117.88	101.46	85.91	15.55	6.525		
1,700.00	1,684.61	1,708.65	1,669.20	8.22	8.47	60.12	-230.09	128.80	107.50	91.07	16.42	6.546		
1,800.00	1,783.18	1,808.84	1,767.02	8.66	8.94	60.54	-246.66	139.72	113.54	96.24	17.30	6.562		
1,900.00	1,881.75	1,890.98	1,864.84	9.11	9.32	60.92	-263.24	150.64	119.59	101.48	18.11	6.602		
2,000.00	1,980.32	2,009.21	1,962.66	9.57	9.89	61.27	-279.81	161.55	125.64	106.55	19.09	6.580		
2,100.00	2,078.89	2,109.39	2,060.48	10.02	10.36	61.58	-296.39	172.47	131.70	111.70	20.00	6.585		
2,200.00	2,177.46	2,190.42	2,158.30	10.49	10.75	61.87	-312.97	183.39	137.77	116.94	20.83	6.615		
2,300.00	2,276.03	2,309.77	2,256.12	10.95	11.33	62.13	-329.54	194.31	143.83	122.00	21.83	6.588		
2,400.00	2,374.60	2,409.95	2,353.94	11.41	11.81	62.37	-346.12	205.22	149.90	127.15	22.75	6.588		
2,500.00	2,473.17	2,489.86	2,451.76	11.88	12.20	62.60	-362.69	216.14	155.97	132.39	23.58	6.613		
2,600.00	2,571.74	2,589.67	2,549.58	12.35	12.69	62.80	-379.27	227.06	162.04	137.53	24.51	6.611		
2,700.00	2,670.31	2,689.49	2,647.40	12.82	13.18	62.99	-395.85	237.98	168.12	142.67	25.44	6.608		
2,800.00	2,768.88	2,789.30	2,745.22	13.29	13.67	63.17	-412.42	248.89	174.19	147.82	26.38	6.604		
2,900.00	2,867.45	2,889.12	2,843.04	13.76	14.16	63.33	-429.00	259.81	180.27	152.96	27.31	6.600		
3,000.00	2,966.02	2,988.93	2,940.86	14.24	14.65	63.49	-445.58	270.73	186.35	158.10	28.25	6.596		
3,100.00	3,064.59	3,088.74	3,038.68	14.71	15.14	63.63	-462.15	281.65	192.43	163.24	29.19	6.592		
3,200.00	3,163.16	3,188.56	3,136.50	15.19	15.64	63.77	-478.73	292.56	198.51	168.38	30.14	6.587		
3,300.00	3,261.73	3,288.37	3,234.32	15.66	16.13	63.90	-495.30	303.48	204.60	173.52	31.08	6.583		
3,400.00	3,360.30	3,388.18	3,332.14	16.14	16.63	64.02	-511.88	314.40	210.68	178.65	32.03	6.578		
3,500.00	3,458.87	3,488.00	3,429.96	16.62	17.12	64.13	-528.46	325.32	216.76	183.79	32.97	6.574		
3,600.00	3,557.44	3,587.81	3,527.78	17.10	17.62	64.24	-545.03	336.23	222.85	188.93	33.92	6.569		
3,700.00	3,656.01	3,687.63	3,625.61	17.58	18.12	64.34	-561.61	347.15	228.94	194.06	34.87	6.565		
3,800.00	3,754.58	3,787.44	3,723.43	18.06	18.61	64.44	-578.18	358.07	235.02	199.20	35.83	6.560		
3,900.00	3,853.15	3,887.25	3,821.25	18.54	19.11	64.53	-594.76	368.99	241.11	204.33	36.78	6.556		
4,000.00	3,951.72	3,987.07	3,919.07	19.02	19.61	64.62	-611.34	379.90	247.20	209.47	37.73	6.552		
4,100.00	4,050.29	4,086.88	4,016.89	19.50	20.11	64.70	-627.91	390.82	253.29	214.60	38.68	6.547		
4,200.00	4,148.86	4,186.70	4,114.71	19.98	20.61	64.78	-644.49	401.74	259.38	219.74	39.64	6.543		
4,300.00	4,247.43	4,286.51	4,212.53	20.46	21.11	64.85	-661.07	412.66	265.47	224.87	40.60	6.539		
4,400.00	4,346.00	4,386.32	4,310.35	20.94	21.61	64.93	-677.64	423.57	271.56	230.00	41.55	6.535		
4,500.00	4,444.58	4,486.14	4,408.17	21.43	22.11	64.99	-694.22	434.49	277.65	235.14	42.51	6.531		
4,600.00	4,543.15	4,585.95	4,505.99	21.91	22.61	65.06	-710.79	445.41	283.74	240.27	43.47	6.528		
4,700.00	4,641.72	4,685.76	4,603.81	22.39	23.11	65.12	-727.37	456.33	289.83	245.40	44.43	6.524		
4,800.00	4,740.29	4,785.58	4,701.63	22.87	23.61	65.18	-743.95	467.24	295.92	250.54	45.38	6.520		
4,900.00	4,838.86	4,885.39	4,799.45	23.36	24.11	65.24	-760.52	478.16	302.01	255.67	46.34	6.517		
5,000.00	4,937.43	4,985.21	4,897.27	23.84	24.61	65.30	-777.10	489.08	308.10	260.80	47.30	6.513		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,085.02	4,995.09	24.32	25.11	65.35	-793.67	500.00	314.20	265.93	48.26	6.510		
5,200.00	5,134.57	5,184.83	5,092.91	24.81	25.62	65.40	-810.25	510.91	320.29	271.07	49.22	6.507		
5,300.00	5,233.14	5,284.65	5,190.73	25.29	26.12	65.45	-826.83	521.83	326.38	276.20	50.19	6.504		
5,400.00	5,331.71	5,384.46	5,288.55	25.78	26.62	65.50	-843.40	532.75	332.48	281.33	51.15	6.500		
5,500.00	5,430.28	5,484.28	5,386.37	26.26	27.12	65.55	-859.98	543.67	338.57	286.46	52.11	6.497		
5,600.00	5,528.85	5,584.09	5,484.19	26.75	27.62	65.59	-876.56	554.58	344.66	291.59	53.07	6.494		
5,700.00	5,627.42	5,683.90	5,582.01	27.23	28.13	65.63	-893.13	565.50	350.76	296.72	54.03	6.492		
5,800.00	5,725.99	5,783.72	5,679.83	27.72	28.63	65.68	-909.71	576.42	356.85	301.86	55.00	6.489		
5,900.00	5,824.56	5,883.53	5,777.65	28.20	29.13	65.72	-926.28	587.34	362.95	306.99	55.96	6.486		
6,000.00	5,923.13	5,983.34	5,875.48	28.69	29.64	65.76	-942.86	598.25	369.04	312.12	56.92	6.483		
6,100.00	6,021.70	6,083.16	5,973.30	29.17	30.14	65.79	-959.44	609.17	375.13	317.25	57.89	6.481		
6,200.00	6,120.27	6,182.97	6,071.12	29.66	30.64	65.83	-976.01	620.09	381.23	322.38	58.85	6.478		
6,238.51	6,158.23	6,221.41	6,108.79	29.84	30.84	65.84	-982.40	624.29	383.58	324.35	59.22	6.477		
6,250.00	6,169.57	6,232.88	6,120.03	29.90	30.89	61.48	-984.30	625.55	384.24	324.91	59.33	6.476		
6,300.00	6,219.12	6,282.75	6,168.90	30.13	31.15	32.32	-992.58	631.00	386.40	326.63	59.77	6.464		
6,350.00	6,268.78	6,332.33	6,217.49	30.33	31.40	-6.23	-1,000.82	636.43	387.41	327.25	60.16	6.439		
6,400.00	6,318.25	6,381.31	6,265.49	30.52	31.64	-32.46	-1,008.95	641.78	387.44	326.94	60.50	6.404		
6,450.00	6,367.22	6,429.38	6,312.61	30.69	31.88	-47.18	-1,016.93	647.04	386.78	325.98	60.80	6.361		
6,500.00	6,415.39	6,476.26	6,358.55	30.86	32.12	-56.68	-1,024.72	652.17	385.82	324.76	61.06	6.319		
6,550.00	6,462.47	6,521.65	6,403.03	31.02	32.35	-63.87	-1,032.26	657.13	385.05	323.77	61.28	6.283		
6,570.29	6,481.19	6,538.38	6,419.45	31.09	32.43	-66.31	-1,035.05	658.72	384.95	323.60	61.35	6.275		
6,600.00	6,508.16	6,563.31	6,443.97	31.18	32.55	-69.57	-1,039.24	660.28	385.16	323.71	61.45	6.268		
6,650.00	6,552.18	6,606.23	6,486.26	31.34	32.75	-74.45	-1,046.53	660.67	386.53	324.88	61.65	6.270		
6,700.00	6,594.26	6,650.53	6,529.82	31.51	32.94	-78.81	-1,054.12	658.04	389.20	327.33	61.88	6.290		
6,750.00	6,634.14	6,696.38	6,574.58	31.68	33.11	-82.80	-1,062.02	652.09	393.22	331.09	62.12	6.330		
6,800.00	6,671.58	6,744.01	6,620.49	31.86	33.27	-86.52	-1,070.22	642.47	398.55	336.18	62.37	6.390		
6,850.00	6,706.34	6,793.67	6,667.44	32.06	33.44	-90.02	-1,078.72	628.76	405.16	342.58	62.58	6.474		
6,900.00	6,738.21	6,845.65	6,715.28	32.27	33.59	-93.33	-1,087.50	610.47	412.94	350.23	62.71	6.585		
6,950.00	6,766.99	6,900.26	6,763.76	32.52	33.75	-96.48	-1,096.54	587.05	421.74	359.03	62.71	6.725		
7,000.00	6,792.51	6,957.89	6,812.55	32.80	33.91	-99.47	-1,105.80	557.85	431.39	368.85	62.54	6.897		
7,050.00	6,814.61	7,018.91	6,861.13	33.12	34.07	-102.32	-1,115.21	522.18	441.66	379.47	62.19	7.102		
7,100.00	6,833.15	7,083.76	6,908.79	33.48	34.23	-105.03	-1,124.66	479.28	452.27	390.63	61.64	7.337		
7,150.00	6,848.02	7,152.84	6,954.52	33.89	34.41	-107.57	-1,134.01	428.40	462.93	401.98	60.95	7.595		
7,200.00	6,859.13	7,226.53	6,996.98	34.35	34.62	-109.94	-1,143.05	368.90	473.28	413.06	60.22	7.859		
7,250.00	6,866.40	7,305.10	7,034.43	34.86	34.89	-112.09	-1,151.47	300.40	482.95	423.36	59.59	8.104		
7,300.00	6,869.79	7,388.63	7,064.79	35.40	35.28	-113.99	-1,158.93	223.01	491.55	432.24	59.31	8.287		
7,327.68	6,870.00	7,436.95	7,077.69	35.71	35.56	-114.91	-1,162.48	176.59	495.71	436.31	59.39	8.347		
7,400.00	6,868.97	7,570.00	7,094.91	36.61	36.62	-116.76	-1,169.22	45.07	501.71	440.74	60.98	8.228		
7,500.00	6,867.54	7,684.61	7,093.24	38.01	37.87	-116.77	-1,172.21	-69.48	501.21	437.47	63.74	7.864		
7,600.00	6,866.12	7,784.61	7,091.14	39.58	39.19	-116.73	-1,174.70	-169.42	500.47	433.97	66.50	7.526		
7,700.00	6,864.69	7,884.61	7,089.03	41.29	40.69	-116.68	-1,177.20	-269.37	499.73	430.19	69.54	7.186		
7,800.00	6,863.27	7,984.60	7,086.92	43.12	42.35	-116.64	-1,179.69	-369.31	498.99	426.16	72.83	6.852		
7,900.00	6,861.85	8,084.60	7,084.81	45.06	44.13	-116.59	-1,182.19	-469.25	498.25	421.92	76.33	6.528		
8,000.00	6,860.42	8,184.60	7,082.70	47.10	46.03	-116.55	-1,184.68	-569.19	497.51	417.50	80.01	6.218		
8,100.00	6,859.00	8,284.59	7,080.59	49.21	48.03	-116.50	-1,187.18	-669.14	496.77	412.91	83.86	5.924		
8,200.00	6,857.57	8,384.59	7,078.49	51.40	50.11	-116.46	-1,189.67	-769.08	496.03	408.18	87.85	5.646		
8,300.00	6,856.15	8,484.59	7,076.38	53.65	52.26	-116.41	-1,192.17	-869.02	495.29	403.33	91.96	5.386		
8,400.00	6,854.72	8,584.58	7,074.27	55.96	54.48	-116.37	-1,194.66	-968.97	494.55	398.37	96.18	5.142		
8,500.00	6,853.30	8,684.58	7,072.16	58.31	56.75	-116.32	-1,197.16	-1,068.91	493.81	393.31	100.50	4.914		
8,600.00	6,851.88	8,784.58	7,070.05	60.70	59.08	-116.27	-1,199.65	-1,168.85	493.07	388.17	104.90	4.700		
8,700.00	6,850.45	8,884.57	7,067.94	63.14	61.45	-116.23	-1,202.15	-1,268.80	492.33	382.96	109.38	4.501		
8,800.00	6,849.03	8,984.57	7,065.84	65.60	63.85	-116.18	-1,204.64	-1,368.74	491.60	377.68	113.92	4.315		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	9,084.57	7,063.73	68.10	66.30	-116.13	-1,207.14	-1,468.68	490.86	372.34	118.52	4.142		
9,000.00	6,846.18	9,184.56	7,061.62	70.62	68.77	-116.09	-1,209.63	-1,568.63	490.12	366.94	123.18	3.979		
9,100.00	6,844.75	9,284.56	7,059.51	73.17	71.27	-116.04	-1,212.13	-1,668.57	489.38	361.51	127.88	3.827		
9,200.00	6,843.33	9,384.55	7,057.40	75.73	73.80	-115.99	-1,214.62	-1,768.51	488.65	356.02	132.62	3.684		
9,300.00	6,841.91	9,484.55	7,055.29	78.32	76.35	-115.95	-1,217.12	-1,868.46	487.91	350.50	137.41	3.551		
9,400.00	6,840.48	9,584.55	7,053.19	80.92	78.92	-115.90	-1,219.61	-1,968.40	487.18	344.95	142.23	3.425		
9,500.00	6,839.06	9,684.54	7,051.08	83.54	81.51	-115.85	-1,222.11	-2,068.34	486.44	339.36	147.08	3.307		
9,600.00	6,837.63	9,784.54	7,048.97	86.18	84.11	-115.80	-1,224.60	-2,168.28	485.70	333.75	151.96	3.196		
9,700.00	6,836.21	9,884.54	7,046.86	88.82	86.73	-115.75	-1,227.10	-2,268.23	484.97	328.10	156.87	3.092		
9,800.00	6,834.78	9,984.53	7,044.75	91.48	89.37	-115.71	-1,229.59	-2,368.17	484.24	322.43	161.80	2.993		
9,900.00	6,833.36	10,084.53	7,042.64	94.15	92.02	-115.66	-1,232.09	-2,468.11	483.50	316.74	166.76	2.899		
10,000.00	6,831.94	10,184.53	7,040.54	96.83	94.67	-115.61	-1,234.58	-2,568.06	482.77	311.03	171.74	2.811		
10,100.00	6,830.51	10,284.52	7,038.43	99.52	97.34	-115.56	-1,237.08	-2,668.00	482.03	305.30	176.73	2.727		
10,200.00	6,829.09	10,384.52	7,036.32	102.22	100.02	-115.51	-1,239.57	-2,767.94	481.30	299.55	181.75	2.648		
10,300.00	6,827.66	10,484.52	7,034.21	104.92	102.71	-115.47	-1,242.07	-2,867.89	480.57	293.78	186.79	2.573		
10,400.00	6,826.24	10,584.51	7,032.10	107.63	105.40	-115.42	-1,244.56	-2,967.83	479.84	288.00	191.84	2.501		
10,500.00	6,824.81	10,684.51	7,029.99	110.35	108.11	-115.37	-1,247.06	-3,067.77	479.10	282.20	196.90	2.433		
10,600.00	6,823.39	10,784.51	7,027.89	113.08	110.82	-115.32	-1,249.55	-3,167.72	478.37	276.39	201.98	2.368		
10,700.00	6,821.96	10,884.50	7,025.78	115.81	113.54	-115.27	-1,252.05	-3,267.66	477.64	270.56	207.08	2.307		
10,800.00	6,820.54	10,984.50	7,023.67	118.54	116.26	-115.22	-1,254.54	-3,367.60	476.91	264.72	212.19	2.248		
10,900.00	6,819.12	11,084.49	7,021.56	121.29	118.99	-115.17	-1,257.04	-3,467.55	476.18	258.87	217.31	2.191		
11,000.00	6,817.69	11,184.49	7,019.45	124.03	121.72	-115.12	-1,259.54	-3,567.49	475.45	253.01	222.44	2.137		
11,100.00	6,816.27	11,284.49	7,017.34	126.78	124.46	-115.07	-1,262.03	-3,667.43	474.72	247.13	227.58	2.086		
11,200.00	6,814.84	11,384.48	7,015.24	129.54	127.21	-115.02	-1,264.53	-3,767.37	473.99	241.25	232.74	2.037		
11,300.00	6,813.42	11,484.48	7,013.13	132.29	129.96	-114.97	-1,267.02	-3,867.32	473.26	235.35	237.90	1.989		
11,400.00	6,811.99	11,584.48	7,011.02	135.05	132.71	-114.92	-1,269.52	-3,967.26	472.53	229.45	243.08	1.944		
11,500.00	6,810.57	11,684.47	7,008.91	137.82	135.47	-114.87	-1,272.01	-4,067.20	471.80	223.54	248.26	1.900		
11,534.42	6,810.08	11,718.90	7,008.18	138.77	136.42	-114.85	-1,272.87	-4,101.61	471.55	221.50	250.05	1.886		
11,557.41	6,809.75	11,741.88	7,007.70	139.41	137.05	-114.83	-1,273.44	-4,124.58	471.47	220.21	251.25	1.876		
11,600.00	6,809.15	11,784.47	7,006.80	140.59	138.23	-114.76	-1,274.51	-4,167.14	471.75	218.22	253.53	1.861		
11,645.35	6,808.50	11,829.81	7,005.85	141.85	139.48	-114.66	-1,275.64	-4,212.46	472.69	216.66	256.03	1.846		
11,700.00	6,807.72	11,884.42	7,004.69	143.37	140.99	-114.53	-1,277.00	-4,267.04	474.22	215.14	259.08	1.830		
11,800.00	6,806.30	11,984.36	7,002.59	146.16	143.75	-114.29	-1,279.49	-4,366.93	477.02	212.34	264.68	1.802		
11,900.00	6,804.88	12,084.30	7,000.48	148.94	146.52	-114.05	-1,281.99	-4,466.82	479.83	209.53	270.29	1.775		
12,000.00	6,803.45	12,184.24	6,998.37	151.74	149.29	-113.81	-1,284.48	-4,566.70	482.64	206.73	275.92	1.749		
12,100.00	6,802.03	12,284.18	6,996.27	154.53	152.07	-113.57	-1,286.97	-4,666.59	485.47	203.92	281.55	1.724		
12,200.00	6,800.61	12,384.12	6,994.16	157.32	154.84	-113.34	-1,289.47	-4,766.48	488.30	201.11	287.19	1.700		
12,300.00	6,799.18	12,484.06	6,992.05	160.12	157.62	-113.11	-1,291.96	-4,866.36	491.14	198.30	292.85	1.677		
12,400.00	6,797.76	12,584.00	6,989.94	162.92	160.40	-112.88	-1,294.46	-4,966.25	493.99	195.48	298.51	1.655		
12,500.00	6,796.34	12,683.94	6,987.84	165.72	163.19	-112.66	-1,296.95	-5,066.14	496.85	192.67	304.18	1.633		
12,600.00	6,794.92	12,783.88	6,985.73	168.53	165.97	-112.44	-1,299.44	-5,166.02	499.71	189.85	309.86	1.613		
12,700.00	6,793.49	12,883.82	6,983.62	171.33	168.76	-112.22	-1,301.94	-5,265.91	502.59	187.03	315.55	1.593		
12,800.00	6,792.07	12,983.76	6,981.52	174.14	171.55	-112.00	-1,304.43	-5,365.80	505.46	184.22	321.25	1.573		
12,900.00	6,790.65	13,083.70	6,979.41	176.95	174.34	-111.78	-1,306.92	-5,465.69	508.35	181.40	326.95	1.555		
13,000.00	6,789.22	13,183.64	6,977.30	179.76	177.13	-111.57	-1,309.42	-5,565.57	511.24	178.58	332.66	1.537		
13,100.00	6,787.80	13,283.58	6,975.19	182.57	179.93	-111.36	-1,311.91	-5,665.46	514.14	175.76	338.38	1.519		
13,200.00	6,786.38	13,383.52	6,973.09	185.38	182.72	-111.15	-1,314.40	-5,765.35	517.05	172.94	344.11	1.503		
13,300.00	6,784.95	13,483.46	6,970.98	188.20	185.52	-110.95	-1,316.90	-5,865.23	519.96	170.13	349.84	1.486 Level 3		
13,400.00	6,783.53	13,583.40	6,968.87	191.01	188.32	-110.75	-1,319.39	-5,965.12	522.88	167.31	355.57	1.471 Level 3		
13,500.00	6,782.11	13,683.34	6,966.77	193.83	191.12	-110.55	-1,321.89	-6,065.01	525.81	164.49	361.32	1.455 Level 3		
13,600.00	6,780.68	13,783.29	6,964.66	196.65	193.92	-110.35	-1,324.38	-6,164.89	528.74	161.68	367.07	1.440 Level 3		
13,700.00	6,779.26	13,883.23	6,962.55	199.47	196.72	-110.15	-1,326.87	-6,264.78	531.68	158.86	372.82	1.426 Level 3		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,800.00	6,777.84	13,983.17	6,960.44	202.29	199.52	-109.96	-1,329.37	-6,364.67	534.63	156.05	378.58	1.412	Level 3	
13,900.00	6,776.42	14,083.11	6,958.34	205.11	202.33	-109.77	-1,331.86	-6,464.56	537.58	153.24	384.34	1.399	Level 3	
14,000.00	6,774.99	14,183.05	6,956.23	207.93	205.14	-109.58	-1,334.35	-6,564.44	540.54	150.43	390.11	1.386	Level 3	
14,100.00	6,773.57	14,282.99	6,954.12	210.76	207.94	-109.39	-1,336.85	-6,664.33	543.50	147.62	395.88	1.373	Level 3	
14,200.00	6,772.15	14,382.93	6,952.02	213.58	210.75	-109.20	-1,339.34	-6,764.22	546.47	144.81	401.65	1.361	Level 3	
14,300.00	6,770.72	14,482.87	6,949.91	216.40	213.56	-109.02	-1,341.84	-6,864.10	549.44	142.01	407.43	1.349	Level 3	
14,400.00	6,769.30	14,582.81	6,947.80	219.23	216.37	-108.84	-1,344.33	-6,963.99	552.42	139.21	413.22	1.337	Level 3	
14,500.00	6,767.88	14,682.75	6,945.69	222.06	219.18	-108.66	-1,346.82	-7,063.88	555.41	136.41	419.00	1.326	Level 3	
14,600.00	6,766.45	14,782.69	6,943.59	224.89	221.99	-108.48	-1,349.32	-7,163.76	558.40	133.61	424.79	1.315	Level 3	
14,700.00	6,765.03	14,882.63	6,941.48	227.71	224.80	-108.30	-1,351.81	-7,263.65	561.40	130.81	430.59	1.304	Level 3	
14,800.00	6,763.61	14,982.57	6,939.37	230.54	227.62	-108.13	-1,354.30	-7,363.54	564.40	128.02	436.38	1.293	Level 3	
14,900.00	6,762.19	15,082.51	6,937.27	233.37	230.43	-107.96	-1,356.80	-7,463.43	567.40	125.22	442.18	1.283	Level 3	
15,000.00	6,760.76	15,182.45	6,935.16	236.20	233.25	-107.79	-1,359.29	-7,563.31	570.42	122.44	447.98	1.273	Level 3	
15,100.00	6,759.34	15,282.39	6,933.05	239.03	236.06	-107.62	-1,361.78	-7,663.20	573.43	119.65	453.79	1.264	Level 3	
15,200.00	6,757.92	15,382.33	6,930.94	241.86	238.88	-107.45	-1,364.28	-7,763.09	576.46	116.86	459.59	1.254	Level 3	
15,300.00	6,756.49	15,482.27	6,928.84	244.70	241.69	-107.29	-1,366.77	-7,862.97	579.48	114.08	465.40	1.245	Level 2	
15,334.64	6,756.00	15,516.89	6,928.11	245.68	242.67	-107.23	-1,367.64	-7,897.57	580.53	113.12	467.41	1.242	Level 2	
15,335.52	6,755.99	15,517.77	6,928.09	245.70	242.69	-107.23	-1,367.66	-7,898.45	580.56	113.09	467.46	1.242	Level 2, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-99.62	-748.24	-4,413.21	4,476.19					
100.00	100.00	110.00	110.00	3.28	3.89	-99.62	-748.24	-4,413.21	4,476.19	4,469.02	7.18	623.734		
200.00	200.00	210.00	210.00	3.34	6.48	-99.62	-748.24	-4,413.21	4,476.19	4,466.38	9.81	456.080		
300.00	300.00	310.00	310.00	3.44	9.65	-99.62	-748.24	-4,413.21	4,476.19	4,463.10	13.10	341.799		
400.00	399.98	409.98	409.98	3.60	12.99	130.28	-748.24	-4,413.21	4,477.32	4,460.74	16.58	269.965		
500.00	499.84	509.84	509.84	3.79	16.38	130.28	-748.24	-4,413.21	4,480.71	4,460.53	20.17	222.101		
600.00	599.45	609.45	609.45	4.03	19.80	130.27	-748.24	-4,413.21	4,486.36	4,462.53	23.83	188.278		
700.00	698.70	708.70	708.70	4.30	23.23	130.27	-748.24	-4,413.21	4,494.27	4,466.74	27.52	163.282		
785.00	782.69	807.31	792.69	4.56	26.64	130.27	-748.24	-4,413.21	4,502.78	4,471.58	31.20	144.341		
800.00	797.47	807.47	807.47	4.60	26.65	130.29	-748.24	-4,413.21	4,504.43	4,473.18	31.25	144.142		
900.00	896.04	906.04	906.04	4.94	30.06	130.45	-748.24	-4,413.21	4,515.43	4,480.43	35.00	129.019		
1,000.00	994.61	1,004.61	1,004.61	5.30	33.49	130.61	-748.24	-4,413.21	4,526.47	4,487.70	38.77	116.740		
1,100.00	1,093.18	1,103.18	1,103.18	5.69	36.91	130.77	-748.24	-4,413.21	4,537.55	4,494.98	42.57	106.587		
1,200.00	1,191.75	1,201.75	1,201.75	6.08	40.34	130.93	-748.24	-4,413.21	4,548.66	4,502.28	46.39	98.060		
1,300.00	1,290.32	1,300.32	1,300.32	6.49	43.77	131.09	-748.24	-4,413.21	4,559.81	4,509.59	50.22	90.805		
1,400.00	1,388.89	1,401.11	1,398.89	6.91	47.28	131.25	-748.24	-4,413.21	4,570.99	4,516.86	54.13	84.440		
1,500.00	1,487.46	1,502.54	1,497.46	7.34	50.81	131.41	-748.24	-4,413.21	4,582.21	4,524.13	58.08	78.891		
1,600.00	1,586.03	1,603.97	1,596.03	7.77	54.35	131.56	-748.24	-4,413.21	4,593.46	4,531.42	62.04	74.040		
1,700.00	1,684.61	1,705.39	1,694.61	8.22	57.88	131.72	-748.24	-4,413.21	4,604.75	4,538.74	66.00	69.764		
1,800.00	1,783.18	1,806.82	1,793.18	8.66	61.42	131.87	-748.24	-4,413.21	4,616.07	4,546.09	69.97	65.967		
1,900.00	1,881.75	1,908.25	1,891.75	9.11	64.95	132.03	-748.24	-4,413.21	4,627.42	4,553.47	73.95	62.575		
2,000.00	1,980.32	2,009.68	1,990.32	9.57	68.49	132.18	-748.24	-4,413.21	4,638.80	4,560.88	77.93	59.526		
2,100.00	2,078.89	2,088.89	2,088.89	10.02	71.25	132.33	-748.24	-4,413.21	4,650.22	4,569.09	81.14	57.314		
2,200.00	2,177.46	2,187.46	2,187.46	10.49	74.69	132.49	-748.24	-4,413.21	4,661.68	4,576.66	85.02	54.830		
2,300.00	2,276.03	2,286.03	2,286.03	10.95	78.13	132.64	-748.24	-4,413.21	4,673.16	4,584.25	88.91	52.561		
2,400.00	2,374.60	2,384.60	2,384.60	11.41	81.57	132.79	-748.24	-4,413.21	4,684.68	4,591.88	92.80	50.482		
2,500.00	2,473.17	2,483.17	2,483.17	11.88	85.01	132.94	-748.24	-4,413.21	4,696.23	4,599.54	96.69	48.569		
2,600.00	2,571.74	2,581.74	2,581.74	12.35	88.44	133.09	-748.24	-4,413.21	4,707.81	4,607.23	100.59	46.804		
2,700.00	2,670.31	2,680.31	2,680.31	12.82	91.88	133.24	-748.24	-4,413.21	4,719.43	4,614.94	104.48	45.170		
2,800.00	2,768.88	2,778.88	2,778.88	13.29	95.32	133.38	-748.24	-4,413.21	4,731.07	4,622.69	108.38	43.653		
2,900.00	2,867.45	2,877.45	2,877.45	13.76	98.76	133.53	-748.24	-4,413.21	4,742.75	4,630.47	112.28	42.241		
3,000.00	2,966.02	2,976.02	2,976.02	14.24	102.20	133.68	-748.24	-4,413.21	4,754.45	4,638.28	116.18	40.924		
3,100.00	3,064.59	3,074.59	3,074.59	14.71	105.64	133.82	-748.24	-4,413.21	4,766.19	4,646.12	120.08	39.693		
3,200.00	3,163.16	3,173.16	3,173.16	15.19	109.08	133.97	-748.24	-4,413.21	4,777.96	4,653.98	123.98	38.539		
3,300.00	3,261.73	3,271.73	3,271.73	15.66	112.52	134.11	-748.24	-4,413.21	4,789.76	4,661.88	127.88	37.455		
3,400.00	3,360.30	3,370.30	3,370.30	16.14	115.96	134.25	-748.24	-4,413.21	4,801.59	4,669.81	131.78	36.436		
3,500.00	3,458.87	3,468.87	3,468.87	16.62	119.40	134.40	-748.24	-4,413.21	4,813.45	4,677.76	135.69	35.475		
3,600.00	3,557.44	3,567.44	3,567.44	17.10	122.84	134.54	-748.24	-4,413.21	4,825.34	4,685.75	139.59	34.568		
3,700.00	3,656.01	3,666.01	3,666.01	17.58	126.28	134.68	-748.24	-4,413.21	4,837.26	4,693.76	143.49	33.711		
3,800.00	3,754.58	3,764.58	3,764.58	18.06	129.72	134.82	-748.24	-4,413.21	4,849.20	4,701.81	147.40	32.899		
3,900.00	3,853.15	3,863.15	3,863.15	18.54	133.16	134.96	-748.24	-4,413.21	4,861.18	4,709.88	151.30	32.129		
4,000.00	3,951.72	3,961.72	3,961.72	19.02	136.60	135.10	-748.24	-4,413.21	4,873.19	4,717.98	155.21	31.398		
4,100.00	4,050.29	4,060.29	4,060.29	19.50	140.04	135.24	-748.24	-4,413.21	4,885.22	4,726.10	159.11	30.703		
4,200.00	4,148.86	4,158.86	4,158.86	19.98	143.48	135.37	-748.24	-4,413.21	4,897.28	4,734.26	163.02	30.041		
4,300.00	4,247.43	4,257.43	4,257.43	20.46	146.92	135.51	-748.24	-4,413.21	4,909.37	4,742.45	166.93	29.410		
4,400.00	4,346.00	4,356.00	4,356.00	20.94	150.36	135.65	-748.24	-4,413.21	4,921.49	4,750.66	170.83	28.809		
4,500.00	4,444.58	4,454.58	4,454.58	21.43	153.80	135.78	-748.24	-4,413.21	4,933.64	4,758.90	174.74	28.234		
4,600.00	4,543.15	4,553.15	4,553.15	21.91	157.24	135.92	-748.24	-4,413.21	4,945.81	4,767.16	178.65	27.685		
4,700.00	4,641.72	4,651.72	4,651.72	22.39	160.68	136.05	-748.24	-4,413.21	4,958.01	4,775.46	182.55	27.159		
4,800.00	4,740.29	4,750.29	4,750.29	22.87	164.12	136.19	-748.24	-4,413.21	4,970.24	4,783.78	186.46	26.656		
4,900.00	4,838.86	4,848.86	4,848.86	23.36	167.56	136.32	-748.24	-4,413.21	4,982.50	4,792.13	190.37	26.173		
5,000.00	4,937.43	4,947.43	4,947.43	23.84	171.00	136.45	-748.24	-4,413.21	4,994.78	4,800.50	194.28	25.710		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,046.00	5,046.00	24.32	174.44	136.59	-748.24	-4,413.21	5,007.09	4,808.90	198.18	25.265		
5,200.00	5,134.57	5,144.57	5,144.57	24.81	177.88	136.72	-748.24	-4,413.21	5,019.42	4,817.33	202.09	24.837		
5,300.00	5,233.14	5,243.14	5,243.14	25.29	181.32	136.85	-748.24	-4,413.21	5,031.78	4,825.78	206.00	24.426		
5,400.00	5,331.71	5,341.71	5,341.71	25.78	184.76	136.98	-748.24	-4,413.21	5,044.17	4,834.26	209.91	24.030		
5,500.00	5,430.28	5,440.28	5,440.28	26.26	188.20	137.11	-748.24	-4,413.21	5,056.58	4,842.77	213.82	23.649		
5,600.00	5,528.85	5,538.85	5,538.85	26.75	191.64	137.24	-748.24	-4,413.21	5,069.02	4,851.30	217.72	23.282		
5,700.00	5,627.42	5,637.42	5,637.42	27.23	195.08	137.36	-748.24	-4,413.21	5,081.49	4,859.86	221.63	22.928		
5,800.00	5,725.99	5,735.99	5,735.99	27.72	198.53	137.49	-748.24	-4,413.21	5,093.98	4,868.44	225.54	22.586		
5,900.00	5,824.56	5,834.56	5,834.56	28.20	201.97	137.62	-748.24	-4,413.21	5,106.49	4,877.04	229.45	22.256		
6,000.00	5,923.13	5,933.13	5,933.13	28.69	205.41	137.74	-748.24	-4,413.21	5,119.03	4,885.67	233.36	21.937		
6,100.00	6,021.70	6,031.70	6,031.70	29.17	208.85	137.87	-748.24	-4,413.21	5,131.59	4,894.33	237.26	21.628		
6,200.00	6,120.27	6,130.27	6,130.27	29.66	212.29	138.00	-748.24	-4,413.21	5,144.18	4,903.01	241.17	21.330		
6,238.51	6,158.23	6,168.23	6,168.23	29.84	213.61	138.04	-748.24	-4,413.21	5,149.04	4,906.36	242.68	21.218		
6,250.00	6,169.57	6,179.57	6,179.57	29.90	214.01	133.64	-748.24	-4,413.21	5,150.38	4,907.26	243.13	21.184		
6,300.00	6,219.12	6,229.12	6,229.12	30.13	215.74	104.75	-748.24	-4,413.21	5,153.84	4,908.76	245.08	21.029		
6,350.00	6,268.78	6,278.78	6,278.78	30.33	217.47	67.10	-748.24	-4,413.21	5,153.38	4,906.36	247.02	20.862		
6,400.00	6,318.25	6,328.25	6,328.25	30.52	219.20	42.38	-748.24	-4,413.21	5,149.01	4,900.07	248.94	20.684		
6,450.00	6,367.22	6,377.22	6,377.22	30.69	220.91	29.74	-748.24	-4,413.21	5,140.74	4,889.93	250.81	20.496		
6,500.00	6,415.39	6,425.39	6,425.39	30.86	222.59	22.81	-748.24	-4,413.21	5,128.65	4,876.00	252.65	20.300		
6,550.00	6,462.47	6,472.47	6,472.47	31.02	224.23	18.59	-748.24	-4,413.21	5,112.79	4,858.36	254.43	20.095		
6,600.00	6,508.16	6,518.16	6,518.16	31.18	225.83	15.83	-748.24	-4,413.21	5,093.27	4,837.12	256.14	19.885		
6,650.00	6,552.18	6,562.18	6,562.18	31.34	227.36	13.92	-748.24	-4,413.21	5,070.20	4,812.41	257.78	19.668		
6,700.00	6,594.26	6,604.26	6,604.26	31.51	228.83	12.56	-748.24	-4,413.21	5,043.73	4,784.38	259.35	19.448		
6,750.00	6,634.14	6,644.14	6,644.14	31.68	230.23	11.57	-748.24	-4,413.21	5,014.02	4,753.20	260.82	19.224		
6,800.00	6,671.58	6,681.58	6,681.58	31.86	231.53	10.86	-748.24	-4,413.21	4,981.25	4,719.06	262.19	18.999		
6,850.00	6,706.34	6,716.34	6,716.34	32.06	232.75	10.37	-748.24	-4,413.21	4,945.63	4,682.18	263.45	18.772		
6,900.00	6,738.21	6,748.21	6,748.21	32.27	233.86	10.06	-748.24	-4,413.21	4,907.37	4,642.76	264.61	18.546		
6,950.00	6,766.99	6,776.99	6,776.99	32.52	234.86	9.93	-748.24	-4,413.21	4,866.71	4,601.07	265.65	18.320		
7,000.00	6,792.51	6,802.51	6,802.51	32.80	235.75	9.97	-748.24	-4,413.21	4,823.90	4,557.34	266.56	18.097		
7,050.00	6,814.61	6,824.61	6,824.61	33.12	236.52	10.22	-748.24	-4,413.21	4,779.20	4,511.86	267.34	17.877		
7,100.00	6,833.15	6,843.15	6,843.15	33.48	237.17	10.77	-748.24	-4,413.21	4,732.89	4,464.89	268.00	17.660		
7,150.00	6,848.02	6,858.02	6,858.02	33.89	237.69	11.82	-748.24	-4,413.21	4,685.24	4,416.72	268.52	17.448		
7,200.00	6,859.13	6,869.13	6,869.13	34.35	238.08	13.90	-748.24	-4,413.21	4,636.57	4,367.66	268.91	17.242		
7,250.00	6,866.40	6,876.40	6,876.40	34.86	238.33	19.04	-748.24	-4,413.21	4,587.15	4,317.99	269.16	17.042		
7,300.00	6,869.79	6,879.79	6,879.79	35.40	238.45	44.29	-748.24	-4,413.21	4,537.31	4,268.02	269.28	16.850		
7,327.68	6,870.00	6,880.00	6,880.00	35.71	238.46	121.25	-748.24	-4,413.21	4,509.64	4,240.35	269.29	16.746		
7,400.00	6,868.97	6,878.97	6,878.97	36.61	238.42	120.84	-748.24	-4,413.21	4,437.35	4,168.09	269.26	16.480		
7,500.00	6,867.54	6,877.54	6,877.54	38.01	238.37	120.27	-748.24	-4,413.21	4,337.39	4,068.17	269.22	16.111		
7,600.00	6,866.12	6,876.12	6,876.12	39.58	238.32	119.69	-748.24	-4,413.21	4,237.43	3,968.25	269.17	15.742		
7,700.00	6,864.69	6,874.69	6,874.69	41.29	238.27	119.11	-748.24	-4,413.21	4,137.47	3,868.34	269.13	15.373		
7,800.00	6,863.27	6,873.27	6,873.27	43.12	238.22	118.51	-748.24	-4,413.21	4,037.51	3,768.42	269.09	15.004		
7,900.00	6,861.85	6,871.85	6,871.85	45.06	238.17	117.92	-748.24	-4,413.21	3,937.56	3,668.50	269.06	14.635		
8,000.00	6,860.42	6,870.42	6,870.42	47.10	238.12	117.31	-748.24	-4,413.21	3,837.61	3,568.58	269.02	14.265		
8,100.00	6,859.00	6,869.00	6,869.00	49.21	238.07	116.70	-748.24	-4,413.21	3,737.66	3,468.67	268.99	13.895		
8,200.00	6,857.57	6,867.57	6,867.57	51.40	238.02	116.08	-748.24	-4,413.21	3,637.71	3,368.75	268.95	13.525		
8,300.00	6,856.15	6,866.15	6,866.15	53.65	237.97	115.45	-748.24	-4,413.21	3,537.76	3,268.84	268.92	13.155		
8,400.00	6,854.72	6,864.72	6,864.72	55.96	237.93	114.82	-748.24	-4,413.21	3,437.82	3,168.92	268.89	12.785		
8,500.00	6,853.30	6,863.30	6,863.30	58.31	237.88	114.18	-748.24	-4,413.21	3,337.88	3,069.01	268.87	12.415		
8,600.00	6,851.88	6,861.88	6,861.88	60.70	237.83	113.54	-748.24	-4,413.21	3,237.94	2,969.09	268.84	12.044		
8,700.00	6,850.45	6,860.45	6,860.45	63.14	237.78	112.89	-748.24	-4,413.21	3,138.00	2,869.18	268.82	11.673		
8,800.00	6,849.03	6,859.03	6,859.03	65.60	237.73	112.23	-748.24	-4,413.21	3,038.07	2,769.27	268.80	11.302		
8,900.00	6,847.60	6,857.60	6,857.60	68.10	237.68	111.57	-748.24	-4,413.21	2,938.14	2,669.36	268.78	10.931		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,846.18	6,856.18	6,856.18	70.62	237.63	110.90	-748.24	-4,413.21	2,838.22	2,569.45	268.77	10.560		
9,100.00	6,844.75	6,854.75	6,854.75	73.17	237.58	110.22	-748.24	-4,413.21	2,738.30	2,469.55	268.76	10.189		
9,200.00	6,843.33	6,853.33	6,853.33	75.73	237.53	109.54	-748.24	-4,413.21	2,638.39	2,369.64	268.75	9.817		
9,300.00	6,841.91	6,851.91	6,851.91	78.32	237.48	108.85	-748.24	-4,413.21	2,538.49	2,269.74	268.75	9.446		
9,400.00	6,840.48	6,850.48	6,850.48	80.92	237.43	108.16	-748.24	-4,413.21	2,438.59	2,169.84	268.75	9.074		
9,500.00	6,839.06	6,849.06	6,849.06	83.54	237.38	107.46	-748.24	-4,413.21	2,338.69	2,069.94	268.75	8.702		
9,600.00	6,837.63	6,847.63	6,847.63	86.18	237.33	106.75	-748.24	-4,413.21	2,238.81	1,970.05	268.76	8.330		
9,700.00	6,836.21	6,846.21	6,846.21	88.82	237.28	106.04	-748.24	-4,413.21	2,138.94	1,870.15	268.78	7.958		
9,800.00	6,834.78	6,844.78	6,844.78	91.48	237.23	105.33	-748.24	-4,413.21	2,039.08	1,770.27	268.81	7.586		
9,900.00	6,833.36	6,843.36	6,843.36	94.15	237.18	104.61	-748.24	-4,413.21	1,939.23	1,670.38	268.85	7.213		
10,000.00	6,831.94	6,841.94	6,841.94	96.83	237.13	103.88	-748.24	-4,413.21	1,839.40	1,570.50	268.90	6.840		
10,100.00	6,830.51	6,840.51	6,840.51	99.52	237.08	103.16	-748.24	-4,413.21	1,739.58	1,470.62	268.96	6.468		
10,200.00	6,829.09	6,839.09	6,839.09	102.22	237.03	102.42	-748.24	-4,413.21	1,639.79	1,370.74	269.05	6.095		
10,300.00	6,827.66	6,837.66	6,837.66	104.92	236.98	101.68	-748.24	-4,413.21	1,540.02	1,270.86	269.16	5.722		
10,400.00	6,826.24	6,836.24	6,836.24	107.63	236.93	100.94	-748.24	-4,413.21	1,440.28	1,170.99	269.30	5.348		
10,500.00	6,824.81	6,834.81	6,834.81	110.35	236.88	100.20	-748.24	-4,413.21	1,340.58	1,071.11	269.47	4.975		
10,600.00	6,823.39	6,833.39	6,833.39	113.08	236.83	99.45	-748.24	-4,413.21	1,240.93	971.22	269.71	4.601		
10,700.00	6,821.96	6,831.96	6,831.96	115.81	236.78	98.70	-748.24	-4,413.21	1,141.34	871.32	270.01	4.227		
10,800.00	6,820.54	6,830.54	6,830.54	118.54	236.73	97.94	-748.24	-4,413.21	1,041.82	771.40	270.42	3.853		
10,900.00	6,819.12	6,829.12	6,829.12	121.29	236.68	97.18	-748.24	-4,413.21	942.40	671.43	270.97	3.478		
11,000.00	6,817.69	6,827.69	6,827.69	124.03	236.63	96.42	-748.24	-4,413.21	843.12	571.39	271.73	3.103		
11,100.00	6,816.27	6,826.27	6,826.27	126.78	236.58	95.66	-748.24	-4,413.21	744.02	471.21	272.81	2.727		
11,200.00	6,814.84	6,824.84	6,824.84	129.54	236.53	94.90	-748.24	-4,413.21	645.21	370.80	274.41	2.351		
11,300.00	6,813.42	6,823.42	6,823.42	132.29	236.48	94.13	-748.24	-4,413.21	546.82	269.95	276.86	1.975		
11,400.00	6,811.99	6,821.99	6,821.99	135.05	236.43	93.36	-748.24	-4,413.21	449.13	168.30	280.84	1.599		
11,500.00	6,810.57	6,820.57	6,820.57	137.82	236.38	92.59	-748.24	-4,413.21	352.75	65.02	287.72	1.226 Level 2		
11,534.42	6,810.08	6,820.08	6,820.08	138.77	236.37	92.33	-748.24	-4,413.21	320.08	28.83	291.25	1.099 Level 2		
11,600.00	6,809.15	6,819.15	6,819.15	140.59	236.33	91.96	-748.24	-4,413.21	258.80	-41.62	300.42	0.861 Level 1		
11,645.35	6,808.50	6,818.50	6,818.50	141.85	236.31	91.65	-748.24	-4,413.21	217.49	-91.99	309.48	0.703 Level 1		
11,700.00	6,807.72	6,817.72	6,817.72	143.37	236.28	91.19	-748.24	-4,413.21	170.21	-155.29	325.49	0.523 Level 1		
11,800.00	6,806.30	6,816.30	6,816.30	146.16	236.23	90.34	-748.24	-4,413.21	104.34	-269.10	373.44	0.279 Level 1		
11,840.43	6,805.72	6,815.72	6,815.72	147.28	236.21	90.00	-748.24	-4,413.21	96.19	-287.22	383.40	0.251 Level 1, CC, ES, SF		
11,900.00	6,804.88	6,814.88	6,814.88	148.94	236.19	89.50	-748.24	-4,413.21	113.13	-248.06	361.19	0.313 Level 1		
12,000.00	6,803.45	6,813.45	6,813.45	151.74	236.14	88.65	-748.24	-4,413.21	186.30	-128.72	315.02	0.591 Level 1		
12,100.00	6,802.03	6,812.03	6,812.03	154.53	236.09	87.80	-748.24	-4,413.21	276.79	-16.77	293.56	0.943 Level 1		
12,200.00	6,800.61	6,810.61	6,810.61	157.32	236.04	86.96	-748.24	-4,413.21	372.17	88.72	283.46	1.313 Level 3		
12,300.00	6,799.18	6,809.18	6,809.18	160.12	235.99	86.11	-748.24	-4,413.21	469.48	191.35	278.13	1.688		
12,400.00	6,797.76	6,807.76	6,807.76	162.92	235.94	85.27	-748.24	-4,413.21	567.72	292.66	275.06	2.064		
12,500.00	6,796.34	6,806.34	6,806.34	165.72	235.89	84.43	-748.24	-4,413.21	666.48	393.32	273.16	2.440		
12,600.00	6,794.92	6,804.92	6,804.92	168.53	235.84	83.59	-748.24	-4,413.21	765.56	493.64	271.92	2.815		
12,700.00	6,793.49	6,803.49	6,803.49	171.33	235.79	82.75	-748.24	-4,413.21	864.84	593.76	271.08	3.190		
12,800.00	6,792.07	6,802.07	6,802.07	174.14	235.74	81.92	-748.24	-4,413.21	964.28	693.79	270.49	3.565		
12,900.00	6,790.65	6,800.65	6,800.65	176.95	235.69	81.09	-748.24	-4,413.21	1,063.82	793.75	270.07	3.939		
13,000.00	6,789.22	6,800.78	6,799.22	179.76	235.69	80.27	-748.24	-4,413.21	1,163.43	893.62	269.81	4.312		
13,100.00	6,787.80	6,802.20	6,797.80	182.57	235.74	79.45	-748.24	-4,413.21	1,263.11	993.43	269.67	4.684		
13,200.00	6,786.38	6,803.62	6,796.38	185.38	235.79	78.63	-748.24	-4,413.21	1,362.83	1,093.23	269.60	5.055		
13,300.00	6,784.95	6,805.05	6,794.95	188.20	235.84	77.82	-748.24	-4,413.21	1,462.58	1,193.02	269.56	5.426		
13,400.00	6,783.53	6,806.47	6,793.53	191.01	235.89	77.01	-748.24	-4,413.21	1,562.37	1,292.81	269.56	5.796		
13,500.00	6,782.11	6,807.89	6,792.11	193.83	235.94	76.21	-748.24	-4,413.21	1,662.18	1,392.61	269.58	6.166		
13,600.00	6,780.68	6,809.32	6,790.68	196.65	235.99	75.41	-748.24	-4,413.21	1,762.01	1,492.40	269.62	6.535		
13,700.00	6,779.26	6,789.26	6,789.26	199.47	235.29	74.62	-748.24	-4,413.21	1,861.86	1,592.94	268.92	6.923		
13,800.00	6,777.84	6,787.84	6,787.84	202.29	235.24	73.83	-748.24	-4,413.21	1,961.73	1,692.84	268.89	7.296		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,776.42	6,786.42	6,786.42	205.11	235.19	73.06	-748.24	-4,413.21	2,061.60	1,792.74	268.86	7.668	
14,000.00	6,774.99	6,784.99	6,784.99	207.93	235.14	72.28	-748.24	-4,413.21	2,161.49	1,892.64	268.85	8.040	
14,100.00	6,773.57	6,783.57	6,783.57	210.76	235.09	71.52	-748.24	-4,413.21	2,261.38	1,992.55	268.84	8.412	
14,200.00	6,772.15	6,782.15	6,782.15	213.58	235.04	70.76	-748.24	-4,413.21	2,361.29	2,092.45	268.83	8.783	
14,300.00	6,770.72	6,780.72	6,780.72	216.40	234.99	70.01	-748.24	-4,413.21	2,461.20	2,192.36	268.84	9.155	
14,400.00	6,769.30	6,779.30	6,779.30	219.23	234.94	69.26	-748.24	-4,413.21	2,561.11	2,292.27	268.84	9.526	
14,500.00	6,767.88	6,777.88	6,777.88	222.06	234.89	68.52	-748.24	-4,413.21	2,661.04	2,392.18	268.85	9.898	
14,600.00	6,766.45	6,776.45	6,776.45	224.89	234.84	67.79	-748.24	-4,413.21	2,760.96	2,492.10	268.86	10.269	
14,700.00	6,765.03	6,775.03	6,775.03	227.71	234.79	67.07	-748.24	-4,413.21	2,860.89	2,592.02	268.88	10.640	
14,800.00	6,763.61	6,773.61	6,773.61	230.54	234.74	66.36	-748.24	-4,413.21	2,960.83	2,691.93	268.90	11.011	
14,900.00	6,762.19	6,772.19	6,772.19	233.37	234.69	65.65	-748.24	-4,413.21	3,060.77	2,791.85	268.92	11.382	
15,000.00	6,760.76	6,770.76	6,770.76	236.20	234.65	64.95	-748.24	-4,413.21	3,160.71	2,891.77	268.94	11.753	
15,100.00	6,759.34	6,769.34	6,769.34	239.03	234.60	64.26	-748.24	-4,413.21	3,260.65	2,991.69	268.96	12.123	
15,200.00	6,757.92	6,767.92	6,767.92	241.86	234.55	63.57	-748.24	-4,413.21	3,360.60	3,091.62	268.99	12.494	
15,300.00	6,756.49	6,766.49	6,766.49	244.70	234.50	62.90	-748.24	-4,413.21	3,460.55	3,191.54	269.01	12.864	
15,334.64	6,756.00	6,766.00	6,766.00	245.68	234.48	62.67	-748.24	-4,413.21	3,495.17	3,226.15	269.02	12.992	
15,335.52	6,755.99	6,765.99	6,765.99	245.70	234.48	62.66	-748.24	-4,413.21	3,496.06	3,227.03	269.02	12.995	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-84.23	428.42	-4,243.20	4,264.91					
100.00	100.00	66.00	66.00	3.28	1.15	-84.23	428.42	-4,243.20	4,264.77	4,260.33	4.44	961.225		
200.00	200.00	166.00	166.00	3.34	4.05	-84.23	428.42	-4,243.20	4,264.77	4,257.38	7.39	577.366		
300.00	300.00	266.00	266.00	3.44	7.54	-84.23	428.42	-4,243.20	4,264.77	4,253.78	10.99	388.219		
400.00	399.98	365.98	365.98	3.60	11.03	145.66	428.42	-4,243.20	4,266.21	4,251.58	14.63	291.648		
500.00	499.84	465.84	465.84	3.79	14.52	145.65	428.42	-4,243.20	4,270.53	4,252.23	18.31	233.270		
600.00	599.45	565.45	565.45	4.03	17.99	145.64	428.42	-4,243.20	4,277.74	4,255.72	22.02	194.267		
700.00	698.70	664.70	664.70	4.30	21.46	145.61	428.42	-4,243.20	4,287.82	4,262.06	25.76	166.476		
785.00	782.69	748.69	748.69	4.56	24.39	145.59	428.42	-4,243.20	4,298.65	4,269.71	28.95	148.509		
800.00	797.47	763.47	763.47	4.60	24.91	145.61	428.42	-4,243.20	4,300.75	4,271.24	29.51	145.734		
900.00	896.04	862.04	862.04	4.94	28.35	145.73	428.42	-4,243.20	4,314.72	4,281.45	33.28	129.664		
1,000.00	994.61	960.61	960.61	5.30	31.79	145.86	428.42	-4,243.20	4,328.72	4,291.66	37.06	116.792		
1,100.00	1,093.18	1,059.18	1,059.18	5.69	35.23	145.98	428.42	-4,243.20	4,342.74	4,301.87	40.87	106.261		
1,200.00	1,191.75	1,157.75	1,157.75	6.08	38.67	146.11	428.42	-4,243.20	4,356.78	4,312.09	44.69	97.492		
1,300.00	1,290.32	1,256.32	1,256.32	6.49	42.11	146.23	428.42	-4,243.20	4,370.84	4,322.32	48.52	90.083		
1,400.00	1,388.89	1,354.89	1,354.89	6.91	45.55	146.35	428.42	-4,243.20	4,384.91	4,332.55	52.36	83.743		
1,500.00	1,487.46	1,453.46	1,453.46	7.34	49.00	146.47	428.42	-4,243.20	4,399.01	4,342.80	56.21	78.258		
1,600.00	1,586.03	1,552.03	1,552.03	7.77	52.44	146.59	428.42	-4,243.20	4,413.13	4,353.06	60.07	73.469		
1,700.00	1,684.61	1,650.61	1,650.61	8.22	55.88	146.71	428.42	-4,243.20	4,427.26	4,363.33	63.93	69.251		
1,800.00	1,783.18	1,749.18	1,749.18	8.66	59.32	146.83	428.42	-4,243.20	4,441.42	4,373.62	67.80	65.510		
1,900.00	1,881.75	1,847.75	1,847.75	9.11	62.76	146.95	428.42	-4,243.20	4,455.59	4,383.92	71.67	62.169		
2,000.00	1,980.32	1,946.32	1,946.32	9.57	66.20	147.07	428.42	-4,243.20	4,469.78	4,394.24	75.54	59.168		
2,100.00	2,078.89	2,044.89	2,044.89	10.02	69.64	147.18	428.42	-4,243.20	4,483.99	4,404.57	79.42	56.457		
2,200.00	2,177.46	2,143.46	2,143.46	10.49	73.08	147.30	428.42	-4,243.20	4,498.22	4,414.92	83.30	53.998		
2,300.00	2,276.03	2,242.03	2,242.03	10.95	76.52	147.41	428.42	-4,243.20	4,512.47	4,425.28	87.19	51.756		
2,400.00	2,374.60	2,340.60	2,340.60	11.41	79.96	147.53	428.42	-4,243.20	4,526.73	4,435.66	91.07	49.705		
2,500.00	2,473.17	2,439.17	2,439.17	11.88	83.41	147.64	428.42	-4,243.20	4,541.01	4,446.06	94.96	47.821		
2,600.00	2,571.74	2,537.74	2,537.74	12.35	86.85	147.76	428.42	-4,243.20	4,555.31	4,456.47	98.85	46.084		
2,700.00	2,670.31	2,636.31	2,636.31	12.82	90.29	147.87	428.42	-4,243.20	4,569.63	4,466.89	102.74	44.479		
2,800.00	2,768.88	2,734.88	2,734.88	13.29	93.73	147.98	428.42	-4,243.20	4,583.97	4,477.34	106.63	42.990		
2,900.00	2,867.45	2,833.45	2,833.45	13.76	97.17	148.09	428.42	-4,243.20	4,598.32	4,487.80	110.52	41.606		
3,000.00	2,966.02	2,932.02	2,932.02	14.24	100.61	148.20	428.42	-4,243.20	4,612.68	4,498.27	114.41	40.316		
3,100.00	3,064.59	3,030.59	3,030.59	14.71	104.05	148.31	428.42	-4,243.20	4,627.07	4,508.76	118.31	39.110		
3,200.00	3,163.16	3,129.16	3,129.16	15.19	107.49	148.42	428.42	-4,243.20	4,641.47	4,519.27	122.20	37.982		
3,300.00	3,261.73	3,227.73	3,227.73	15.66	110.93	148.53	428.42	-4,243.20	4,655.89	4,529.79	126.10	36.923		
3,400.00	3,360.30	3,326.30	3,326.30	16.14	114.38	148.63	428.42	-4,243.20	4,670.32	4,540.33	129.99	35.927		
3,500.00	3,458.87	3,424.87	3,424.87	16.62	117.82	148.74	428.42	-4,243.20	4,684.77	4,550.88	133.89	34.989		
3,600.00	3,557.44	3,523.44	3,523.44	17.10	121.26	148.85	428.42	-4,243.20	4,699.24	4,561.45	137.79	34.105		
3,700.00	3,656.01	3,622.01	3,622.01	17.58	124.70	148.95	428.42	-4,243.20	4,713.72	4,572.04	141.69	33.269		
3,800.00	3,754.58	3,720.58	3,720.58	18.06	128.14	149.06	428.42	-4,243.20	4,728.22	4,582.63	145.59	32.477		
3,900.00	3,853.15	3,819.15	3,819.15	18.54	131.58	149.16	428.42	-4,243.20	4,742.73	4,593.25	149.48	31.727		
4,000.00	3,951.72	3,917.72	3,917.72	19.02	135.02	149.27	428.42	-4,243.20	4,757.26	4,603.88	153.38	31.016		
4,100.00	4,050.29	4,016.29	4,016.29	19.50	138.46	149.37	428.42	-4,243.20	4,771.81	4,614.52	157.28	30.339		
4,200.00	4,148.86	4,114.86	4,114.86	19.98	141.90	149.47	428.42	-4,243.20	4,786.37	4,625.18	161.18	29.695		
4,300.00	4,247.43	4,213.43	4,213.43	20.46	145.35	149.57	428.42	-4,243.20	4,800.94	4,635.86	165.08	29.082		
4,400.00	4,346.00	4,312.00	4,312.00	20.94	148.79	149.67	428.42	-4,243.20	4,815.53	4,646.55	168.98	28.497		
4,500.00	4,444.58	4,410.58	4,410.58	21.43	152.23	149.77	428.42	-4,243.20	4,830.13	4,657.25	172.88	27.939		
4,600.00	4,543.15	4,509.15	4,509.15	21.91	155.67	149.87	428.42	-4,243.20	4,844.75	4,667.97	176.78	27.405		
4,700.00	4,641.72	4,607.72	4,607.72	22.39	159.11	149.97	428.42	-4,243.20	4,859.38	4,678.70	180.68	26.894		
4,800.00	4,740.29	4,706.29	4,706.29	22.87	162.55	150.07	428.42	-4,243.20	4,874.03	4,689.45	184.58	26.405		
4,900.00	4,838.86	4,804.86	4,804.86	23.36	165.99	150.17	428.42	-4,243.20	4,888.69	4,700.21	188.49	25.937		
5,000.00	4,937.43	4,903.43	4,903.43	23.84	169.43	150.27	428.42	-4,243.20	4,903.37	4,710.98	192.39	25.487		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,002.00	5,002.00	24.32	172.87	150.37	428.42	-4,243.20	4,918.06	4,721.77	196.29	25.055		
5,200.00	5,134.57	5,100.57	5,100.57	24.81	176.32	150.46	428.42	-4,243.20	4,932.76	4,732.57	200.19	24.640		
5,300.00	5,233.14	5,200.86	5,199.14	25.29	179.82	150.56	428.42	-4,243.20	4,947.47	4,743.32	204.15	24.234		
5,400.00	5,331.71	5,302.29	5,297.71	25.78	183.36	150.65	428.42	-4,243.20	4,962.21	4,754.05	208.15	23.839		
5,500.00	5,430.28	5,403.72	5,396.28	26.26	186.90	150.75	428.42	-4,243.20	4,976.95	4,764.79	212.15	23.459		
5,600.00	5,528.85	5,505.15	5,494.85	26.75	190.44	150.84	428.42	-4,243.20	4,991.71	4,775.55	216.16	23.093		
5,700.00	5,627.42	5,606.58	5,593.42	27.23	193.98	150.94	428.42	-4,243.20	5,006.48	4,786.32	220.16	22.740		
5,800.00	5,725.99	5,708.01	5,691.99	27.72	197.52	151.03	428.42	-4,243.20	5,021.26	4,797.10	224.16	22.400		
5,900.00	5,824.56	5,809.44	5,790.56	28.20	201.06	151.12	428.42	-4,243.20	5,036.06	4,807.89	228.16	22.072		
6,000.00	5,923.13	5,889.13	5,889.13	28.69	203.84	151.21	428.42	-4,243.20	5,050.86	4,819.46	231.40	21.827		
6,100.00	6,021.70	5,987.70	5,987.70	29.17	207.29	151.30	428.42	-4,243.20	5,065.69	4,830.38	235.31	21.528		
6,200.00	6,120.27	6,086.27	6,086.27	29.66	210.73	151.40	428.42	-4,243.20	5,080.52	4,841.31	239.21	21.239		
6,238.51	6,158.23	6,124.23	6,124.23	29.84	212.05	151.43	428.42	-4,243.20	5,086.24	4,845.52	240.71	21.130		
6,250.00	6,169.57	6,135.57	6,135.57	29.90	212.45	146.99	428.42	-4,243.20	5,087.84	4,846.68	241.16	21.097		
6,300.00	6,219.12	6,185.12	6,185.12	30.13	214.18	117.99	428.42	-4,243.20	5,092.50	4,849.39	243.11	20.947		
6,350.00	6,268.78	6,234.78	6,234.78	30.33	215.91	80.33	428.42	-4,243.20	5,093.36	4,848.31	245.06	20.784		
6,400.00	6,318.25	6,284.25	6,284.25	30.52	217.64	55.67	428.42	-4,243.20	5,090.42	4,843.44	246.97	20.611		
6,450.00	6,367.22	6,333.22	6,333.22	30.69	219.35	43.19	428.42	-4,243.20	5,083.69	4,834.83	248.85	20.429		
6,500.00	6,415.39	6,381.39	6,381.39	30.86	221.03	36.51	428.42	-4,243.20	5,073.22	4,822.53	250.68	20.237		
6,550.00	6,462.47	6,428.47	6,428.47	31.02	222.67	32.65	428.42	-4,243.20	5,059.08	4,806.62	252.46	20.039		
6,600.00	6,508.16	6,474.16	6,474.16	31.18	224.27	30.36	428.42	-4,243.20	5,041.37	4,787.19	254.18	19.834		
6,650.00	6,552.18	6,518.18	6,518.18	31.34	225.80	29.05	428.42	-4,243.20	5,020.19	4,764.37	255.82	19.624		
6,700.00	6,594.26	6,560.26	6,560.26	31.51	227.27	28.43	428.42	-4,243.20	4,995.68	4,738.30	257.38	19.410		
6,750.00	6,634.14	6,600.14	6,600.14	31.68	228.67	28.36	428.42	-4,243.20	4,967.99	4,709.15	258.85	19.193		
6,800.00	6,671.58	6,637.58	6,637.58	31.86	229.97	28.78	428.42	-4,243.20	4,937.31	4,677.10	260.22	18.974		
6,850.00	6,706.34	6,672.34	6,672.34	32.06	231.19	29.68	428.42	-4,243.20	4,903.83	4,642.34	261.48	18.754		
6,900.00	6,738.21	6,704.21	6,704.21	32.27	232.30	31.10	428.42	-4,243.20	4,867.74	4,605.10	262.64	18.534		
6,950.00	6,766.99	6,732.99	6,732.99	32.52	233.30	33.10	428.42	-4,243.20	4,829.29	4,565.61	263.68	18.315		
7,000.00	6,792.51	6,758.51	6,758.51	32.80	234.19	35.83	428.42	-4,243.20	4,788.71	4,524.10	264.61	18.097		
7,050.00	6,814.61	6,780.61	6,780.61	33.12	234.97	39.48	428.42	-4,243.20	4,746.25	4,480.84	265.41	17.882		
7,100.00	6,833.15	6,800.85	6,799.15	33.48	235.67	44.37	428.42	-4,243.20	4,702.19	4,436.03	266.16	17.667		
7,150.00	6,848.02	6,814.02	6,814.02	33.89	236.13	50.89	428.42	-4,243.20	4,656.78	4,390.12	266.65	17.464		
7,200.00	6,859.13	6,825.13	6,825.13	34.35	236.52	59.55	428.42	-4,243.20	4,610.31	4,343.22	267.08	17.262		
7,250.00	6,866.40	6,832.40	6,832.40	34.86	236.77	70.79	428.42	-4,243.20	4,563.06	4,295.68	267.39	17.065		
7,300.00	6,869.79	6,835.79	6,835.79	35.40	236.89	84.49	428.42	-4,243.20	4,515.34	4,247.78	267.56	16.876		
7,327.68	6,870.00	6,836.00	6,836.00	35.71	236.90	92.75	428.42	-4,243.20	4,488.82	4,221.21	267.61	16.774		
7,400.00	6,868.97	6,834.97	6,834.97	36.61	236.86	92.70	428.42	-4,243.20	4,419.54	4,151.86	267.68	16.511		
7,500.00	6,867.54	6,833.54	6,833.54	38.01	236.81	92.64	428.42	-4,243.20	4,323.91	4,056.10	267.81	16.146		
7,600.00	6,866.12	6,832.12	6,832.12	39.58	236.76	92.57	428.42	-4,243.20	4,228.48	3,960.51	267.98	15.779		
7,700.00	6,864.69	6,830.69	6,830.69	41.29	236.71	92.51	428.42	-4,243.20	4,133.27	3,865.08	268.19	15.412		
7,800.00	6,863.27	6,829.27	6,829.27	43.12	236.66	92.45	428.42	-4,243.20	4,038.29	3,769.85	268.45	15.043		
7,900.00	6,861.85	6,827.85	6,827.85	45.06	236.62	92.38	428.42	-4,243.20	3,943.56	3,674.80	268.76	14.673		
8,000.00	6,860.42	6,826.42	6,826.42	47.10	236.57	92.32	428.42	-4,243.20	3,849.09	3,579.97	269.12	14.302		
8,100.00	6,859.00	6,825.00	6,825.00	49.21	236.52	92.26	428.42	-4,243.20	3,754.91	3,485.36	269.55	13.930		
8,200.00	6,857.57	6,823.57	6,823.57	51.40	236.47	92.19	428.42	-4,243.20	3,661.04	3,390.99	270.05	13.557		
8,300.00	6,856.15	6,822.15	6,822.15	53.65	236.42	92.13	428.42	-4,243.20	3,567.50	3,296.88	270.62	13.183		
8,400.00	6,854.72	6,820.72	6,820.72	55.96	236.37	92.06	428.42	-4,243.20	3,474.32	3,203.04	271.27	12.807		
8,500.00	6,853.30	6,819.30	6,819.30	58.31	236.32	92.00	428.42	-4,243.20	3,381.52	3,109.51	272.01	12.432		
8,600.00	6,851.88	6,817.88	6,817.88	60.70	236.27	91.94	428.42	-4,243.20	3,289.15	3,016.31	272.85	12.055		
8,700.00	6,850.45	6,816.45	6,816.45	63.14	236.22	91.87	428.42	-4,243.20	3,197.24	2,923.46	273.78	11.678		
8,800.00	6,849.03	6,815.03	6,815.03	65.60	236.17	91.81	428.42	-4,243.20	3,105.83	2,831.00	274.83	11.301		
8,900.00	6,847.60	6,813.60	6,813.60	68.10	236.12	91.75	428.42	-4,243.20	3,014.96	2,738.96	276.00	10.924		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,846.18	6,812.18	6,812.18	70.62	236.07	91.68	428.42	-4,243.20	2,924.69	2,647.39	277.30	10.547		
9,100.00	6,844.75	6,810.75	6,810.75	73.17	236.02	91.62	428.42	-4,243.20	2,835.07	2,556.33	278.74	10.171		
9,200.00	6,843.33	6,809.33	6,809.33	75.73	235.97	91.55	428.42	-4,243.20	2,746.16	2,465.84	280.32	9.796		
9,300.00	6,841.91	6,807.91	6,807.91	78.32	235.92	91.49	428.42	-4,243.20	2,658.04	2,375.97	282.07	9.423		
9,400.00	6,840.48	6,806.48	6,806.48	80.92	235.87	91.43	428.42	-4,243.20	2,570.80	2,286.80	284.00	9.052		
9,500.00	6,839.06	6,805.06	6,805.06	83.54	235.82	91.36	428.42	-4,243.20	2,484.51	2,198.40	286.11	8.684		
9,600.00	6,837.63	6,803.63	6,803.63	86.18	235.77	91.30	428.42	-4,243.20	2,399.28	2,110.86	288.42	8.319		
9,700.00	6,836.21	6,802.21	6,802.21	88.82	235.72	91.23	428.42	-4,243.20	2,315.24	2,024.29	290.95	7.958		
9,800.00	6,834.78	6,800.78	6,800.78	91.48	235.67	91.17	428.42	-4,243.20	2,232.51	1,938.81	293.70	7.601		
9,900.00	6,833.36	6,800.64	6,799.36	94.15	235.67	91.11	428.42	-4,243.20	2,151.25	1,854.51	296.74	7.250		
10,000.00	6,831.94	6,802.07	6,797.94	96.83	235.72	91.04	428.42	-4,243.20	2,071.63	1,771.54	300.09	6.903		
10,100.00	6,830.51	6,803.49	6,796.51	99.52	235.76	90.98	428.42	-4,243.20	1,993.85	1,690.14	303.71	6.565		
10,200.00	6,829.09	6,804.91	6,795.09	102.22	235.81	90.91	428.42	-4,243.20	1,918.12	1,610.51	307.61	6.236		
10,300.00	6,827.66	6,806.34	6,793.66	104.92	235.86	90.85	428.42	-4,243.20	1,844.71	1,532.91	311.79	5.916		
10,400.00	6,826.24	6,807.76	6,792.24	107.63	235.91	90.79	428.42	-4,243.20	1,773.89	1,457.62	316.27	5.609		
10,500.00	6,824.81	6,809.19	6,790.81	110.35	235.96	90.72	428.42	-4,243.20	1,706.00	1,384.97	321.04	5.314		
10,600.00	6,823.39	6,789.39	6,789.39	113.08	235.27	90.66	428.42	-4,243.20	1,641.40	1,316.07	325.34	5.045		
10,700.00	6,821.96	6,787.96	6,787.96	115.81	235.22	90.60	428.42	-4,243.20	1,580.49	1,249.96	330.52	4.782		
10,800.00	6,820.54	6,786.54	6,786.54	118.54	235.17	90.53	428.42	-4,243.20	1,523.70	1,187.78	335.92	4.536		
10,900.00	6,819.12	6,785.12	6,785.12	121.29	235.12	90.47	428.42	-4,243.20	1,471.53	1,130.06	341.47	4.309		
11,000.00	6,817.69	6,783.69	6,783.69	124.03	235.07	90.40	428.42	-4,243.20	1,424.48	1,077.39	347.08	4.104		
11,100.00	6,816.27	6,782.27	6,782.27	126.78	235.02	90.34	428.42	-4,243.20	1,383.06	1,030.40	352.66	3.922		
11,200.00	6,814.84	6,780.84	6,780.84	129.54	234.97	90.28	428.42	-4,243.20	1,347.81	989.72	358.08	3.764		
11,300.00	6,813.42	6,779.42	6,779.42	132.29	234.92	90.21	428.42	-4,243.20	1,319.20	956.00	363.20	3.632		
11,400.00	6,811.99	6,777.99	6,777.99	135.05	234.87	90.15	428.42	-4,243.20	1,297.69	929.82	367.87	3.528		
11,500.00	6,810.57	6,776.57	6,776.57	137.82	234.83	90.08	428.42	-4,243.20	1,283.63	911.68	371.95	3.451		
11,534.42	6,810.08	6,776.08	6,776.08	138.77	234.81	90.06	428.42	-4,243.20	1,280.57	907.37	373.20	3.431		
11,600.00	6,809.15	6,775.15	6,775.15	140.59	234.78	90.04	428.42	-4,243.20	1,276.52	901.20	375.32	3.401		
11,645.35	6,808.50	6,774.50	6,774.50	141.85	234.75	90.02	428.42	-4,243.20	1,274.81	898.21	376.60	3.385		
11,680.89	6,807.99	6,773.99	6,773.99	142.84	234.74	90.00	428.42	-4,243.20	1,274.32	896.84	377.48	3.376 CC		
11,700.00	6,807.72	6,773.72	6,773.72	143.37	234.73	89.99	428.42	-4,243.20	1,274.46	896.55	377.91	3.372 ES		
11,800.00	6,806.30	6,772.30	6,772.30	146.16	234.68	89.92	428.42	-4,243.20	1,279.87	900.21	379.66	3.371 SF		
11,900.00	6,804.88	6,770.88	6,770.88	148.94	234.63	89.86	428.42	-4,243.20	1,293.01	912.45	380.56	3.398		
12,000.00	6,803.45	6,769.45	6,769.45	151.74	234.58	89.80	428.42	-4,243.20	1,313.65	933.02	380.64	3.451		
12,100.00	6,802.03	6,768.03	6,768.03	154.53	234.53	89.73	428.42	-4,243.20	1,341.45	961.48	379.98	3.530		
12,200.00	6,800.61	6,766.61	6,766.61	157.32	234.48	89.67	428.42	-4,243.20	1,375.97	997.31	378.66	3.634		
12,300.00	6,799.18	6,765.18	6,765.18	160.12	234.43	89.60	428.42	-4,243.20	1,416.72	1,039.90	376.82	3.760		
12,400.00	6,797.76	6,763.76	6,763.76	162.92	234.38	89.54	428.42	-4,243.20	1,463.18	1,088.62	374.56	3.906		
12,500.00	6,796.34	6,762.34	6,762.34	165.72	234.33	89.48	428.42	-4,243.20	1,514.82	1,142.83	371.99	4.072		
12,600.00	6,794.92	6,760.92	6,760.92	168.53	234.28	89.41	428.42	-4,243.20	1,571.14	1,201.93	369.21	4.255		
12,700.00	6,793.49	6,759.49	6,759.49	171.33	234.23	89.35	428.42	-4,243.20	1,631.64	1,265.34	366.30	4.454		
12,800.00	6,792.07	6,758.07	6,758.07	174.14	234.18	89.28	428.42	-4,243.20	1,695.89	1,332.55	363.34	4.668		
12,900.00	6,790.65	6,756.65	6,756.65	176.95	234.13	89.22	428.42	-4,243.20	1,763.46	1,403.09	360.37	4.893		
13,000.00	6,789.22	6,755.22	6,755.22	179.76	234.08	89.16	428.42	-4,243.20	1,834.01	1,476.57	357.44	5.131		
13,100.00	6,787.80	6,753.80	6,753.80	182.57	234.03	89.09	428.42	-4,243.20	1,907.18	1,552.61	354.57	5.379		
13,200.00	6,786.38	6,752.38	6,752.38	185.38	233.98	89.03	428.42	-4,243.20	1,982.70	1,630.91	351.79	5.636		
13,300.00	6,784.95	6,750.95	6,750.95	188.20	233.93	88.96	428.42	-4,243.20	2,060.31	1,711.20	349.11	5.902		
13,400.00	6,783.53	6,749.53	6,749.53	191.01	233.88	88.90	428.42	-4,243.20	2,139.77	1,793.23	346.54	6.175		
13,500.00	6,782.11	6,748.11	6,748.11	193.83	233.83	88.84	428.42	-4,243.20	2,220.89	1,876.81	344.08	6.455		
13,600.00	6,780.68	6,746.68	6,746.68	196.65	233.78	88.77	428.42	-4,243.20	2,303.50	1,961.77	341.73	6.741		
13,700.00	6,779.26	6,745.26	6,745.26	199.47	233.73	88.71	428.42	-4,243.20	2,387.44	2,047.93	339.50	7.032		
13,800.00	6,777.84	6,743.84	6,743.84	202.29	233.68	88.64	428.42	-4,243.20	2,472.57	2,135.19	337.38	7.329		

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 34N-6A-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 34N-6A-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
13,900.00	6,776.42	6,742.42	6,742.42	205.11	233.63	88.58	428.42	-4,243.20	2,558.77	2,223.41	335.36	7.630	
14,000.00	6,774.99	6,740.99	6,740.99	207.93	233.58	88.52	428.42	-4,243.20	2,645.95	2,312.50	333.45	7.935	
14,100.00	6,773.57	6,739.57	6,739.57	210.76	233.53	88.45	428.42	-4,243.20	2,734.00	2,402.37	331.64	8.244	
14,200.00	6,772.15	6,738.15	6,738.15	213.58	233.48	88.39	428.42	-4,243.20	2,822.85	2,492.94	329.91	8.556	
14,300.00	6,770.72	6,736.72	6,736.72	216.40	233.43	88.32	428.42	-4,243.20	2,912.43	2,584.15	328.28	8.872	
14,400.00	6,769.30	6,735.30	6,735.30	219.23	233.38	88.26	428.42	-4,243.20	3,002.65	2,675.93	326.73	9.190	
14,500.00	6,767.88	6,733.88	6,733.88	222.06	233.33	88.20	428.42	-4,243.20	3,093.48	2,768.23	325.25	9.511	
14,600.00	6,766.45	6,732.45	6,732.45	224.89	233.28	88.13	428.42	-4,243.20	3,184.86	2,861.01	323.85	9.834	
14,700.00	6,765.03	6,731.03	6,731.03	227.71	233.24	88.07	428.42	-4,243.20	3,276.74	2,954.22	322.52	10.160	
14,800.00	6,763.61	6,729.61	6,729.61	230.54	233.19	88.01	428.42	-4,243.20	3,369.09	3,047.83	321.26	10.487	
14,900.00	6,762.19	6,728.19	6,728.19	233.37	233.14	87.94	428.42	-4,243.20	3,461.86	3,141.80	320.06	10.816	
15,000.00	6,760.76	6,726.76	6,726.76	236.20	233.09	87.88	428.42	-4,243.20	3,555.02	3,236.11	318.91	11.147	
15,100.00	6,759.34	6,725.34	6,725.34	239.03	233.04	87.81	428.42	-4,243.20	3,648.54	3,330.72	317.82	11.480	
15,200.00	6,757.92	6,723.92	6,723.92	241.86	232.99	87.75	428.42	-4,243.20	3,742.39	3,425.61	316.78	11.814	
15,300.00	6,756.49	6,722.49	6,722.49	244.70	232.94	87.69	428.42	-4,243.20	3,836.56	3,520.77	315.79	12.149	
15,334.64	6,756.00	6,722.00	6,722.00	245.68	232.92	87.66	428.42	-4,243.20	3,869.24	3,553.79	315.45	12.266	
15,335.52	6,755.99	6,721.99	6,721.99	245.70	232.92	87.66	428.42	-4,243.20	3,870.08	3,554.63	315.44	12.269	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	69.73	910.15	2,464.64	2,627.33					
100.00	100.00	92.50	92.50	3.28	3.29	69.73	910.18	2,464.69	2,627.39	2,620.82	6.57	399.864		
200.00	200.00	194.81	194.81	3.34	3.34	69.73	910.31	2,464.75	2,627.49	2,620.81	6.68	393.621		
300.00	300.00	305.84	305.84	3.44	3.46	69.72	910.56	2,464.47	2,627.33	2,620.43	6.90	380.623		
400.00	399.98	412.73	412.73	3.60	3.63	-60.45	910.83	2,463.81	2,625.97	2,618.75	7.23	363.433		
500.00	499.84	519.37	519.36	3.79	3.85	-60.62	911.01	2,462.82	2,622.58	2,614.95	7.64	343.477		
600.00	599.45	614.66	614.65	4.03	4.08	-60.88	910.93	2,462.03	2,617.50	2,609.40	8.10	323.255		
700.00	698.70	711.90	711.88	4.30	4.34	-61.23	910.97	2,461.30	2,610.88	2,602.25	8.63	302.554		
785.00	782.69	798.39	798.37	4.56	4.59	-61.62	911.17	2,460.57	2,603.96	2,594.82	9.14	284.914		
800.00	797.47	813.42	813.40	4.60	4.63	-61.67	911.21	2,460.43	2,602.63	2,593.40	9.23	281.871		
900.00	896.04	913.43	913.40	4.94	4.94	-62.01	911.42	2,459.50	2,593.79	2,583.91	9.88	262.542		
1,000.00	994.61	1,014.54	1,014.51	5.30	5.28	-62.35	911.61	2,458.49	2,584.97	2,574.41	10.57	244.577		
1,100.00	1,093.18	1,123.02	1,122.99	5.69	5.65	-62.73	911.84	2,457.09	2,575.99	2,564.67	11.32	227.618		
1,200.00	1,191.75	1,227.77	1,227.72	6.08	6.02	-63.10	911.91	2,455.39	2,566.74	2,554.66	12.08	212.475		
1,300.00	1,290.32	1,324.03	1,323.97	6.49	6.37	-63.44	912.03	2,453.75	2,557.54	2,544.70	12.84	199.259		
1,400.00	1,388.89	1,420.44	1,420.36	6.91	6.73	-63.79	912.38	2,452.13	2,548.55	2,534.95	13.61	187.274		
1,500.00	1,487.46	1,523.29	1,523.20	7.34	7.12	-64.16	912.58	2,450.35	2,539.54	2,525.12	14.42	176.102		
1,600.00	1,586.03	1,618.35	1,618.24	7.77	7.48	-64.51	912.78	2,448.72	2,530.67	2,515.45	15.22	166.303		
1,700.00	1,684.61	1,719.60	1,719.48	8.22	7.87	-64.88	912.97	2,447.01	2,521.90	2,505.85	16.05	157.154		
1,800.00	1,783.18	1,821.33	1,821.19	8.66	8.27	-65.25	913.06	2,445.11	2,513.03	2,496.15	16.89	148.800		
1,900.00	1,881.75	1,910.40	1,910.24	9.11	8.63	-65.59	913.28	2,443.53	2,504.43	2,486.74	17.69	141.569		
2,000.00	1,980.32	1,993.35	1,993.19	9.57	8.96	-65.90	913.78	2,442.39	2,496.43	2,477.95	18.48	135.122		
2,100.00	2,078.89	2,086.44	2,086.26	10.02	9.33	-66.26	914.67	2,441.40	2,488.96	2,469.65	19.30	128.935		
2,200.00	2,177.46	2,180.35	2,180.16	10.49	9.71	-66.63	916.05	2,440.34	2,481.77	2,461.63	20.14	123.218		
2,300.00	2,276.03	2,272.40	2,272.18	10.95	10.08	-67.02	918.11	2,439.17	2,474.92	2,453.94	20.98	117.983		
2,400.00	2,374.60	2,367.75	2,367.49	11.41	10.47	-67.42	920.56	2,438.02	2,468.40	2,446.57	21.83	113.076		
2,500.00	2,473.17	2,451.77	2,451.47	11.88	10.81	-67.79	923.06	2,437.03	2,462.24	2,439.60	22.64	108.747		
2,600.00	2,571.74	2,535.23	2,534.87	12.35	11.16	-68.16	926.19	2,436.44	2,456.95	2,433.50	23.45	104.754		
2,700.00	2,670.31	2,629.42	2,628.99	12.82	11.55	-68.59	929.84	2,436.03	2,452.13	2,427.81	24.31	100.857		
2,800.00	2,768.88	2,724.00	2,723.48	13.29	11.94	-69.02	933.72	2,435.62	2,447.56	2,422.38	25.18	97.219		
2,900.00	2,867.45	2,811.20	2,810.61	13.76	12.30	-69.42	937.47	2,435.41	2,443.41	2,417.40	26.01	93.940		
3,000.00	2,966.02	2,883.77	2,883.10	14.24	12.60	-69.75	940.71	2,435.82	2,440.18	2,413.40	26.78	91.106		
3,100.00	3,064.59	2,979.98	2,979.20	14.71	13.00	-70.18	945.10	2,437.07	2,437.77	2,410.11	27.66	88.142		
3,200.00	3,163.16	3,070.40	3,069.52	15.19	13.38	-70.59	949.18	2,438.30	2,435.54	2,407.04	28.51	85.436		
3,300.00	3,261.73	3,162.62	3,161.62	15.66	13.77	-71.00	953.48	2,439.87	2,433.82	2,404.46	29.37	82.878		
3,400.00	3,360.30	3,257.26	3,256.15	16.14	14.17	-71.41	957.66	2,441.80	2,432.41	2,402.17	30.24	80.447		
3,500.00	3,458.87	3,359.63	3,358.42	16.62	14.60	-71.84	961.42	2,444.42	2,431.19	2,400.05	31.14	78.072		
3,600.00	3,557.44	3,457.72	3,456.43	17.10	15.01	-72.25	964.79	2,446.82	2,429.88	2,397.85	32.03	75.869		
3,700.00	3,656.01	3,556.78	3,555.39	17.58	15.42	-72.66	968.21	2,449.40	2,428.84	2,395.92	32.92	73.781		
3,800.00	3,754.58	3,654.06	3,652.59	18.06	15.95	-73.16	971.41	2,452.69	2,427.44	2,393.51	33.93	71.534		
3,900.00	3,853.15	3,754.98	3,753.47	18.54	16.41	-73.59	973.03	2,454.92	2,425.07	2,390.19	34.88	69.530		
4,000.00	3,951.72	3,903.91	3,902.38	19.02	16.87	-74.01	974.42	2,456.72	2,422.42	2,386.60	35.81	67.638		
4,100.00	4,050.29	4,014.53	4,012.99	19.50	17.33	-74.44	975.56	2,458.12	2,419.42	2,382.66	36.76	65.819		
4,200.00	4,148.86	4,118.03	4,116.47	19.98	17.76	-74.85	976.74	2,458.89	2,416.16	2,378.49	37.67	64.133		
4,300.00	4,247.43	4,213.07	4,211.51	20.46	18.16	-75.23	977.99	2,459.48	2,413.03	2,374.48	38.56	62.584		
4,400.00	4,346.00	4,312.84	4,311.26	20.94	18.58	-75.65	979.57	2,459.96	2,410.07	2,370.61	39.46	61.077		
4,500.00	4,444.58	4,426.83	4,425.23	21.43	19.06	-76.13	981.69	2,459.98	2,407.04	2,366.62	40.42	59.551		
4,600.00	4,543.15	4,526.51	4,524.88	21.91	19.69	-76.78	983.50	2,457.72	2,402.48	2,360.97	41.51	57.875		
4,700.00	4,641.72	4,620.64	4,618.96	22.39	20.17	-77.29	984.31	2,454.44	2,396.73	2,354.26	42.47	56.439		
4,800.00	4,740.29	4,726.90	4,725.17	22.87	20.62	-77.77	984.79	2,451.01	2,390.71	2,347.31	43.39	55.095		
4,900.00	4,838.86	4,821.17	4,819.38	23.36	21.02	-78.19	985.22	2,447.85	2,384.74	2,340.46	44.28	53.858		
5,000.00	4,937.43	4,925.72	4,923.87	23.84	21.46	-78.67	985.71	2,444.29	2,378.89	2,333.69	45.20	52.630		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,086.89	5,084.98	24.32	21.85	-79.09	986.26	2,441.07	2,373.16	2,327.08	46.08	51.505		
5,200.00	5,134.57	5,192.39	5,190.41	24.81	22.30	-79.58	986.86	2,437.42	2,367.63	2,320.63	47.00	50.373		
5,300.00	5,233.14	5,287.62	5,285.59	25.29	22.70	-80.01	987.00	2,434.25	2,362.10	2,314.20	47.89	49.320		
5,400.00	5,331.71	5,371.69	5,369.63	25.78	23.06	-80.39	987.07	2,431.89	2,357.05	2,308.31	48.74	48.355		
5,500.00	5,430.28	5,481.31	5,479.22	26.26	23.52	-80.88	987.03	2,429.28	2,352.42	2,302.74	49.69	47.346		
5,600.00	5,528.85	5,572.70	5,570.57	26.75	23.91	-81.28	986.78	2,426.83	2,347.54	2,296.98	50.56	46.428		
5,700.00	5,627.42	5,653.92	5,651.77	27.23	24.25	-81.64	986.86	2,425.02	2,343.37	2,291.97	51.40	45.588		
5,800.00	5,725.99	5,740.83	5,738.67	27.72	24.62	-82.02	987.05	2,423.86	2,340.06	2,287.80	52.26	44.775		
5,900.00	5,824.56	5,838.94	5,836.78	28.20	25.04	-82.45	987.41	2,422.62	2,337.05	2,283.89	53.16	43.959		
6,000.00	5,923.13	5,932.39	5,930.21	28.69	25.44	-82.86	988.06	2,421.19	2,334.20	2,280.15	54.05	43.188		
6,100.00	6,021.70	6,015.30	6,013.11	29.17	25.79	-83.24	989.15	2,419.99	2,331.97	2,277.08	54.89	42.485		
6,200.00	6,120.27	6,092.59	6,090.38	29.66	26.12	-83.60	990.71	2,419.22	2,330.67	2,274.97	55.70	41.840		
6,238.51	6,158.23	6,129.90	6,127.67	29.84	26.27	-83.78	991.64	2,418.93	2,330.40	2,274.35	56.05	41.577		
6,244.46	6,164.10	6,136.05	6,133.82	29.87	26.30	-86.00	991.80	2,418.88	2,330.38	2,274.28	56.10	41.536 CC		
6,250.00	6,169.57	6,141.78	6,139.55	29.90	26.33	-88.25	991.95	2,418.82	2,330.40	2,274.25	56.16	41.499 ES		
6,300.00	6,219.12	6,193.68	6,191.42	30.13	26.55	-117.51	993.39	2,418.20	2,332.18	2,275.58	56.60	41.202		
6,350.00	6,268.78	6,239.03	6,236.75	30.33	26.74	-155.62	994.75	2,417.57	2,336.90	2,279.90	57.00	40.997		
6,400.00	6,318.25	6,283.31	6,281.01	30.52	26.93	179.05	996.12	2,417.05	2,344.63	2,287.25	57.37	40.865		
6,450.00	6,367.22	6,336.46	6,334.12	30.69	27.15	165.68	997.77	2,416.49	2,355.23	2,297.45	57.77	40.766		
6,500.00	6,415.39	6,394.51	6,392.14	30.86	27.40	157.89	999.42	2,415.71	2,368.41	2,310.23	58.19	40.703 SF		
6,550.00	6,462.47	6,446.58	6,444.19	31.02	27.62	152.69	1,000.83	2,414.85	2,384.15	2,325.58	58.57	40.705		
6,600.00	6,508.16	6,496.82	6,494.40	31.18	27.84	148.78	1,002.25	2,413.84	2,402.42	2,343.47	58.94	40.758		
6,650.00	6,552.18	6,536.42	6,533.97	31.34	28.00	145.50	1,003.40	2,413.00	2,423.22	2,363.95	59.27	40.885		
6,700.00	6,594.26	6,573.64	6,571.18	31.51	28.16	142.53	1,004.51	2,412.31	2,446.56	2,386.97	59.58	41.062		
6,750.00	6,634.14	6,610.58	6,608.09	31.68	28.32	139.69	1,005.63	2,411.70	2,472.29	2,412.40	59.89	41.280		
6,800.00	6,671.58	6,650.12	6,647.61	31.86	28.49	136.88	1,006.89	2,410.99	2,500.24	2,440.03	60.21	41.524		
6,850.00	6,706.34	6,687.09	6,684.55	32.06	28.65	133.97	1,008.13	2,410.24	2,530.23	2,469.71	60.52	41.808		
6,900.00	6,738.21	6,718.11	6,715.53	32.27	28.78	130.81	1,009.23	2,409.54	2,562.14	2,501.34	60.80	42.138		
6,950.00	6,766.99	6,744.56	6,741.96	32.52	28.89	127.32	1,010.25	2,408.92	2,595.86	2,534.80	61.07	42.508		
7,000.00	6,792.51	6,768.19	6,765.57	32.80	28.99	123.48	1,011.22	2,408.34	2,631.22	2,569.89	61.32	42.909		
7,050.00	6,814.61	6,788.85	6,786.20	33.12	29.08	119.21	1,012.12	2,407.82	2,668.01	2,606.44	61.56	43.338		
7,100.00	6,833.15	6,805.37	6,802.69	33.48	29.15	114.47	1,012.87	2,407.39	2,706.03	2,644.25	61.79	43.795		
7,150.00	6,848.02	6,817.33	6,814.64	33.89	29.20	109.21	1,013.43	2,407.09	2,745.10	2,683.10	62.00	44.279		
7,200.00	6,859.13	6,826.45	6,823.74	34.35	29.24	103.51	1,013.87	2,406.86	2,784.97	2,722.78	62.19	44.780		
7,250.00	6,866.40	6,832.69	6,829.98	34.86	29.27	97.47	1,014.18	2,406.71	2,825.41	2,763.03	62.38	45.296		
7,300.00	6,869.79	6,836.04	6,833.32	35.40	29.28	91.22	1,014.35	2,406.63	2,866.17	2,803.62	62.55	45.823		
7,327.68	6,870.00	6,836.65	6,833.93	35.71	29.28	87.74	1,014.38	2,406.62	2,888.79	2,826.15	62.64	46.118		
7,400.00	6,868.97	6,837.08	6,834.36	36.61	29.29	87.75	1,014.40	2,406.61	2,948.17	2,885.29	62.88	46.886		
7,500.00	6,867.54	6,837.67	6,834.95	38.01	29.29	87.77	1,014.43	2,406.59	3,031.21	2,967.97	63.24	47.934		
7,600.00	6,866.12	6,838.26	6,835.54	39.58	29.29	87.80	1,014.46	2,406.58	3,115.24	3,051.63	63.62	48.970		
7,700.00	6,864.69	6,838.84	6,836.12	41.29	29.29	87.82	1,014.49	2,406.57	3,200.20	3,136.19	64.01	49.996		
7,800.00	6,863.27	6,839.42	6,836.69	43.12	29.30	87.83	1,014.52	2,406.55	3,286.00	3,221.58	64.41	51.016		
7,900.00	6,861.85	6,839.99	6,837.26	45.06	29.30	87.85	1,014.55	2,406.54	3,372.58	3,307.76	64.82	52.031		
8,000.00	6,860.42	6,840.55	6,837.83	47.10	29.30	87.87	1,014.58	2,406.52	3,459.88	3,394.65	65.23	53.043		
8,100.00	6,859.00	6,841.11	6,838.39	49.21	29.30	87.89	1,014.61	2,406.51	3,547.86	3,482.22	65.64	54.053		
8,200.00	6,857.57	6,841.67	6,838.94	51.40	29.31	87.91	1,014.63	2,406.50	3,636.45	3,570.41	66.04	55.063		
8,300.00	6,856.15	6,842.22	6,839.49	53.65	29.31	87.93	1,014.66	2,406.49	3,725.63	3,659.19	66.44	56.073		
8,400.00	6,854.72	6,842.76	6,840.03	55.96	29.31	87.95	1,014.69	2,406.47	3,815.34	3,748.50	66.84	57.084		
8,500.00	6,853.30	6,843.31	6,840.57	58.31	29.31	87.97	1,014.72	2,406.46	3,905.55	3,838.32	67.23	58.097		
8,600.00	6,851.88	6,843.84	6,841.11	60.70	29.31	87.99	1,014.74	2,406.45	3,996.23	3,928.62	67.61	59.111		
8,700.00	6,850.45	6,844.37	6,841.64	63.14	29.32	88.01	1,014.77	2,406.44	4,087.34	4,019.36	67.98	60.128		
8,800.00	6,849.03	6,844.90	6,842.16	65.60	29.32	88.02	1,014.80	2,406.42	4,178.85	4,110.51	68.34	61.147		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,845.42	6,842.68	68.10	29.32	88.04	1,014.82	2,406.41	4,270.75	4,202.06	68.70	62.168		
9,000.00	6,846.18	6,845.94	6,843.20	70.62	29.32	88.06	1,014.85	2,406.40	4,363.01	4,293.96	69.04	63.192		
9,100.00	6,844.75	6,846.45	6,843.71	73.17	29.33	88.08	1,014.88	2,406.39	4,455.59	4,386.21	69.38	64.219		
9,200.00	6,843.33	6,846.96	6,844.22	75.73	29.33	88.09	1,014.90	2,406.38	4,548.50	4,478.79	69.71	65.248		
9,300.00	6,841.91	6,847.46	6,844.72	78.32	29.33	88.11	1,014.93	2,406.36	4,641.69	4,571.66	70.03	66.280		
9,400.00	6,840.48	6,847.96	6,845.22	80.92	29.33	88.13	1,014.95	2,406.35	4,735.17	4,664.82	70.34	67.315		
9,500.00	6,839.06	6,848.45	6,845.71	83.54	29.33	88.15	1,014.98	2,406.34	4,828.90	4,758.26	70.65	68.351		
9,600.00	6,837.63	6,848.94	6,846.20	86.18	29.34	88.16	1,015.01	2,406.33	4,922.89	4,851.94	70.94	69.390		
9,700.00	6,836.21	6,849.43	6,846.69	88.82	29.34	88.18	1,015.03	2,406.32	5,017.10	4,945.87	71.23	70.432		
9,800.00	6,834.78	6,849.91	6,847.17	91.48	29.34	88.20	1,015.06	2,406.31	5,111.54	5,040.02	71.52	71.475		
9,900.00	6,833.36	6,850.39	6,847.65	94.15	29.34	88.21	1,015.08	2,406.30	5,206.18	5,134.39	71.79	72.520		
10,000.00	6,831.94	6,850.87	6,848.12	96.83	29.34	88.23	1,015.10	2,406.29	5,301.02	5,228.96	72.06	73.567		
10,100.00	6,830.51	6,851.34	6,848.59	99.52	29.35	88.24	1,015.13	2,406.27	5,396.04	5,323.73	72.32	74.616		
10,200.00	6,829.09	6,851.80	6,849.06	102.22	29.35	88.26	1,015.15	2,406.26	5,491.25	5,418.67	72.57	75.667		
10,300.00	6,827.66	6,852.27	6,849.52	104.92	29.35	88.28	1,015.18	2,406.25	5,586.61	5,513.80	72.82	76.719		
10,400.00	6,826.24	6,852.72	6,849.98	107.63	29.35	88.29	1,015.20	2,406.24	5,682.14	5,609.08	73.06	77.772		
10,500.00	6,824.81	6,853.18	6,850.43	110.35	29.35	88.31	1,015.23	2,406.23	5,777.82	5,704.53	73.30	78.827		
10,600.00	6,823.39	6,853.63	6,850.88	113.08	29.36	88.32	1,015.25	2,406.22	5,873.65	5,800.12	73.53	79.883		
10,700.00	6,821.96	6,854.08	6,851.33	115.81	29.36	88.34	1,015.27	2,406.21	5,969.61	5,895.85	73.75	80.940		
10,800.00	6,820.54	6,854.52	6,851.77	118.54	29.36	88.35	1,015.30	2,406.20	6,065.70	5,991.73	73.97	81.998		
10,900.00	6,819.12	6,854.96	6,852.21	121.29	29.36	88.37	1,015.32	2,406.19	6,161.92	6,087.73	74.19	83.057		
11,000.00	6,817.69	6,855.40	6,852.65	124.03	29.36	88.38	1,015.34	2,406.18	6,258.25	6,183.85	74.40	84.117		
11,100.00	6,816.27	6,855.83	6,853.08	126.78	29.37	88.40	1,015.36	2,406.17	6,354.70	6,280.09	74.61	85.177		
11,200.00	6,814.84	6,856.26	6,853.51	129.54	29.37	88.41	1,015.39	2,406.16	6,451.25	6,376.44	74.81	86.238		
11,300.00	6,813.42	6,856.69	6,853.94	132.29	29.37	88.43	1,015.41	2,406.15	6,547.91	6,472.91	75.01	87.299		
11,400.00	6,811.99	6,857.11	6,854.36	135.05	29.37	88.44	1,015.43	2,406.14	6,644.67	6,569.47	75.20	88.361		
11,500.00	6,810.57	6,857.53	6,854.78	137.82	29.37	88.46	1,015.45	2,406.13	6,741.52	6,666.13	75.39	89.423		
11,534.42	6,810.08	6,857.68	6,854.92	138.77	29.37	88.46	1,015.46	2,406.13	6,774.88	6,699.43	75.45	89.789		
11,600.00	6,809.15	6,857.97	6,855.22	140.59	29.38	88.62	1,015.48	2,406.12	6,838.28	6,762.70	75.58	90.477		
11,645.35	6,808.50	6,858.21	6,855.45	141.85	29.38	88.71	1,015.49	2,406.12	6,881.91	6,806.24	75.67	90.944		
11,700.00	6,807.72	6,858.50	6,855.75	143.37	29.38	88.72	1,015.50	2,406.11	6,934.40	6,858.62	75.79	91.500		
11,800.00	6,806.30	6,859.04	6,856.28	146.16	29.38	88.74	1,015.53	2,406.10	7,030.55	6,954.55	75.99	92.517		
11,900.00	6,804.88	6,859.57	6,856.81	148.94	29.38	88.76	1,015.56	2,406.09	7,126.79	7,050.60	76.19	93.535		
12,000.00	6,803.45	6,860.10	6,857.34	151.74	29.38	88.77	1,015.59	2,406.08	7,223.14	7,146.75	76.39	94.554		
12,100.00	6,802.03	6,860.62	6,857.86	154.53	29.39	88.79	1,015.62	2,406.06	7,319.59	7,243.00	76.59	95.573		
12,200.00	6,800.61	6,861.15	6,858.39	157.32	29.39	88.80	1,015.64	2,406.05	7,416.13	7,339.35	76.78	96.592		
12,300.00	6,799.18	6,861.66	6,858.90	160.12	29.39	88.82	1,015.67	2,406.04	7,512.76	7,435.79	76.97	97.612		
12,400.00	6,797.76	6,862.18	6,859.41	162.92	29.39	88.83	1,015.70	2,406.03	7,609.48	7,532.33	77.15	98.632		
12,500.00	6,796.34	6,862.69	6,859.92	165.72	29.40	88.85	1,015.73	2,406.02	7,706.28	7,628.95	77.33	99.651		
12,600.00	6,794.92	6,863.19	6,860.43	168.53	29.40	88.86	1,015.75	2,406.01	7,803.16	7,725.65	77.51	100.672		
12,700.00	6,793.49	6,863.70	6,860.93	171.33	29.40	88.88	1,015.78	2,406.00	7,900.12	7,822.43	77.69	101.692		
12,800.00	6,792.07	6,864.20	6,861.43	174.14	29.40	88.89	1,015.81	2,405.98	7,997.16	7,919.29	77.86	102.711		
12,900.00	6,790.65	6,864.69	6,861.93	176.95	29.40	88.91	1,015.83	2,405.97	8,094.26	8,016.23	78.03	103.731		
13,000.00	6,789.22	6,865.18	6,862.42	179.76	29.41	88.92	1,015.86	2,405.96	8,191.44	8,113.24	78.20	104.751		
13,100.00	6,787.80	6,865.67	6,862.91	182.57	29.41	88.94	1,015.89	2,405.95	8,288.68	8,210.32	78.36	105.770		
13,200.00	6,786.38	6,866.16	6,863.39	185.38	29.41	88.95	1,015.91	2,405.94	8,385.99	8,307.46	78.53	106.789		
13,300.00	6,784.95	6,866.64	6,863.87	188.20	29.41	88.97	1,015.94	2,405.93	8,483.36	8,404.67	78.69	107.808		
13,400.00	6,783.53	6,867.12	6,864.35	191.01	29.41	88.98	1,015.96	2,405.92	8,580.79	8,501.94	78.85	108.826		
13,500.00	6,782.11	6,867.60	6,864.83	193.83	29.42	88.99	1,015.99	2,405.91	8,678.28	8,599.28	79.01	109.844		
13,600.00	6,780.68	6,868.07	6,865.30	196.65	29.42	89.01	1,016.01	2,405.90	8,775.83	8,696.67	79.16	110.861		
13,700.00	6,779.26	6,868.54	6,865.77	199.47	29.42	89.02	1,016.04	2,405.89	8,873.43	8,794.12	79.31	111.877		
13,800.00	6,777.84	6,869.01	6,866.23	202.29	29.42	89.04	1,016.06	2,405.88	8,971.08	8,891.62	79.47	112.893		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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 - GREELEY TECH CENTER #41-5 - 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	
13,900.00	6,776.42	6,869.47	6,866.69	205.11	29.42	89.05	1,016.09	2,405.87	9,068.79	8,989.17	79.61	113.909	
14,000.00	6,774.99	6,869.93	6,867.15	207.93	29.43	89.06	1,016.11	2,405.86	9,166.54	9,086.78	79.76	114.923	
14,100.00	6,773.57	6,870.39	6,867.61	210.76	29.43	89.08	1,016.14	2,405.85	9,264.34	9,184.44	79.91	115.937	
14,200.00	6,772.15	6,870.84	6,868.06	213.58	29.43	89.09	1,016.16	2,405.84	9,362.19	9,282.14	80.05	116.950	
14,300.00	6,770.72	6,871.29	6,868.51	216.40	29.43	89.10	1,016.19	2,405.83	9,460.09	9,379.89	80.20	117.962	
14,400.00	6,769.30	6,871.74	6,868.96	219.23	29.43	89.12	1,016.21	2,405.82	9,558.02	9,477.68	80.34	118.973	
14,500.00	6,767.88	6,872.18	6,869.40	222.06	29.44	89.13	1,016.24	2,405.81	9,656.00	9,575.52	80.48	119.983	
14,600.00	6,766.45	6,872.62	6,869.85	224.89	29.44	89.14	1,016.26	2,405.80	9,754.02	9,673.40	80.62	120.992	
14,700.00	6,765.03	6,873.06	6,870.28	227.71	29.44	89.16	1,016.28	2,405.79	9,852.08	9,771.33	80.75	122.000	
14,800.00	6,763.61	6,873.50	6,870.72	230.54	29.44	89.17	1,016.31	2,405.78	9,950.18	9,869.29	80.89	123.008	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	94.27	-669.05	8,959.74	8,984.73					
100.00	100.00	72.00	72.00	3.28	3.51	94.27	-669.05	8,959.74	8,984.69	8,977.89	6.80	1,321.813		
200.00	200.00	172.00	172.00	3.34	5.38	94.27	-669.05	8,959.74	8,984.69	8,975.97	8.71	1,031.219		
300.00	300.00	272.00	272.00	3.44	8.42	94.27	-669.05	8,959.74	8,984.69	8,972.83	11.86	757.534		
400.00	399.98	371.98	371.98	3.60	11.71	-35.85	-669.05	8,959.74	8,983.27	8,967.97	15.31	586.905		
500.00	499.84	471.84	471.84	3.79	15.09	-35.92	-669.05	8,959.74	8,979.03	8,960.15	18.88	475.648		
600.00	599.45	571.45	571.45	4.03	18.50	-36.04	-669.05	8,959.74	8,971.97	8,949.45	22.52	398.358		
700.00	698.70	670.70	670.70	4.30	21.92	-36.20	-669.05	8,959.74	8,962.10	8,935.89	26.21	341.899		
785.00	782.69	754.69	754.69	4.56	24.82	-36.38	-669.05	8,959.74	8,951.51	8,922.14	29.37	304.757		
800.00	797.47	769.47	769.47	4.60	25.33	-36.39	-669.05	8,959.74	8,949.47	8,919.53	29.93	298.976		
900.00	896.04	868.04	868.04	4.94	28.75	-36.45	-669.05	8,959.74	8,935.84	8,902.17	33.67	265.360		
1,000.00	994.61	966.61	966.61	5.30	32.17	-36.51	-669.05	8,959.74	8,922.23	8,884.78	37.44	238.290		
1,100.00	1,093.18	1,065.18	1,065.18	5.69	35.59	-36.58	-669.05	8,959.74	8,908.62	8,867.39	41.23	216.055		
1,200.00	1,191.75	1,163.75	1,163.75	6.08	39.02	-36.64	-669.05	8,959.74	8,895.03	8,849.99	45.04	197.487		
1,300.00	1,290.32	1,262.32	1,262.32	6.49	42.45	-36.71	-669.05	8,959.74	8,881.44	8,832.58	48.86	181.760		
1,400.00	1,388.89	1,360.89	1,360.89	6.91	45.88	-36.77	-669.05	8,959.74	8,867.87	8,815.18	52.70	168.278		
1,500.00	1,487.46	1,459.46	1,459.46	7.34	49.31	-36.84	-669.05	8,959.74	8,854.31	8,797.77	56.54	156.598		
1,600.00	1,586.03	1,558.03	1,558.03	7.77	52.75	-36.90	-669.05	8,959.74	8,840.76	8,780.37	60.39	146.386		
1,700.00	1,684.61	1,656.61	1,656.61	8.22	56.18	-36.97	-669.05	8,959.74	8,827.23	8,762.97	64.25	137.383		
1,800.00	1,783.18	1,755.18	1,755.18	8.66	59.62	-37.03	-669.05	8,959.74	8,813.70	8,745.58	68.12	129.390		
1,900.00	1,881.75	1,853.75	1,853.75	9.11	63.05	-37.10	-669.05	8,959.74	8,800.19	8,728.20	71.99	122.246		
2,000.00	1,980.32	1,952.32	1,952.32	9.57	66.49	-37.16	-669.05	8,959.74	8,786.68	8,710.82	75.86	115.826		
2,100.00	2,078.89	2,050.89	2,050.89	10.02	69.93	-37.23	-669.05	8,959.74	8,773.19	8,693.45	79.74	110.024		
2,200.00	2,177.46	2,149.46	2,149.46	10.49	73.37	-37.30	-669.05	8,959.74	8,759.71	8,676.09	83.62	104.756		
2,300.00	2,276.03	2,248.03	2,248.03	10.95	76.80	-37.36	-669.05	8,959.74	8,746.24	8,658.74	87.50	99.952		
2,400.00	2,374.60	2,346.60	2,346.60	11.41	80.24	-37.43	-669.05	8,959.74	8,732.79	8,641.40	91.39	95.555		
2,500.00	2,473.17	2,445.17	2,445.17	11.88	83.68	-37.50	-669.05	8,959.74	8,719.34	8,624.06	95.28	91.514		
2,600.00	2,571.74	2,543.74	2,543.74	12.35	87.12	-37.56	-669.05	8,959.74	8,705.91	8,606.74	99.17	87.788		
2,700.00	2,670.31	2,642.31	2,642.31	12.82	90.56	-37.63	-669.05	8,959.74	8,692.49	8,589.43	103.06	84.342		
2,800.00	2,768.88	2,740.88	2,740.88	13.29	94.00	-37.70	-669.05	8,959.74	8,679.08	8,572.12	106.96	81.146		
2,900.00	2,867.45	2,839.45	2,839.45	13.76	97.44	-37.77	-669.05	8,959.74	8,665.68	8,554.83	110.85	78.173		
3,000.00	2,966.02	2,938.02	2,938.02	14.24	100.87	-37.83	-669.05	8,959.74	8,652.30	8,537.55	114.75	75.402		
3,100.00	3,064.59	3,036.59	3,036.59	14.71	104.31	-37.90	-669.05	8,959.74	8,638.93	8,520.28	118.65	72.812		
3,200.00	3,163.16	3,135.16	3,135.16	15.19	107.75	-37.97	-669.05	8,959.74	8,625.57	8,503.02	122.55	70.386		
3,300.00	3,261.73	3,233.73	3,233.73	15.66	111.19	-38.04	-669.05	8,959.74	8,612.22	8,485.77	126.45	68.110		
3,400.00	3,360.30	3,332.30	3,332.30	16.14	114.63	-38.11	-669.05	8,959.74	8,598.88	8,468.53	130.35	65.969		
3,500.00	3,458.87	3,430.87	3,430.87	16.62	118.07	-38.18	-669.05	8,959.74	8,585.56	8,451.31	134.25	63.952		
3,600.00	3,557.44	3,529.44	3,529.44	17.10	121.51	-38.25	-669.05	8,959.74	8,572.25	8,434.09	138.15	62.050		
3,700.00	3,656.01	3,628.01	3,628.01	17.58	124.95	-38.32	-669.05	8,959.74	8,558.95	8,416.89	142.06	60.251		
3,800.00	3,754.58	3,726.58	3,726.58	18.06	128.39	-38.39	-669.05	8,959.74	8,545.66	8,399.70	145.96	58.548		
3,900.00	3,853.15	3,825.15	3,825.15	18.54	131.83	-38.46	-669.05	8,959.74	8,532.39	8,382.52	149.86	56.934		
4,000.00	3,951.72	3,923.72	3,923.72	19.02	135.27	-38.53	-669.05	8,959.74	8,519.13	8,365.36	153.77	55.402		
4,100.00	4,050.29	4,022.29	4,022.29	19.50	138.71	-38.60	-669.05	8,959.74	8,505.88	8,348.20	157.68	53.946		
4,200.00	4,148.86	4,120.86	4,120.86	19.98	142.15	-38.67	-669.05	8,959.74	8,492.64	8,331.06	161.58	52.559		
4,300.00	4,247.43	4,219.43	4,219.43	20.46	145.59	-38.74	-669.05	8,959.74	8,479.42	8,313.93	165.49	51.239		
4,400.00	4,346.00	4,318.00	4,318.00	20.94	149.03	-38.81	-669.05	8,959.74	8,466.21	8,296.81	169.40	49.979		
4,500.00	4,444.58	4,416.58	4,416.58	21.43	152.47	-38.88	-669.05	8,959.74	8,453.01	8,279.71	173.30	48.776		
4,600.00	4,543.15	4,515.15	4,515.15	21.91	155.91	-38.95	-669.05	8,959.74	8,439.83	8,262.62	177.21	47.626		
4,700.00	4,641.72	4,613.72	4,613.72	22.39	159.35	-39.02	-669.05	8,959.74	8,426.66	8,245.54	181.12	46.525		
4,800.00	4,740.29	4,712.29	4,712.29	22.87	162.79	-39.09	-669.05	8,959.74	8,413.50	8,228.47	185.03	45.471		
4,900.00	4,838.86	4,810.86	4,810.86	23.36	166.23	-39.17	-669.05	8,959.74	8,400.36	8,211.42	188.94	44.461		
5,000.00	4,937.43	4,909.43	4,909.43	23.84	169.67	-39.24	-669.05	8,959.74	8,387.23	8,194.38	192.85	43.491		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
5,100.00	5,036.00	5,008.00	5,008.00	24.32	173.12	-39.31	-669.05	8,959.74	8,374.11	8,177.35	196.76	42.560			
5,200.00	5,134.57	5,106.57	5,106.57	24.81	176.56	-39.38	-669.05	8,959.74	8,361.00	8,160.33	200.67	41.666			
5,300.00	5,233.14	5,205.14	5,205.14	25.29	180.00	-39.46	-669.05	8,959.74	8,347.91	8,143.33	204.58	40.805			
5,400.00	5,331.71	5,303.71	5,303.71	25.78	183.44	-39.53	-669.05	8,959.74	8,334.83	8,126.34	208.49	39.977			
5,500.00	5,430.28	5,402.28	5,402.28	26.26	186.88	-39.60	-669.05	8,959.74	8,321.77	8,109.37	212.40	39.179			
5,600.00	5,528.85	5,500.85	5,500.85	26.75	190.32	-39.68	-669.05	8,959.74	8,308.72	8,092.41	216.31	38.410			
5,700.00	5,627.42	5,600.58	5,599.42	27.23	193.80	-39.75	-669.05	8,959.74	8,295.68	8,075.42	220.27	37.662			
5,800.00	5,725.99	5,702.01	5,697.99	27.72	197.34	-39.82	-669.05	8,959.74	8,282.66	8,058.38	224.28	36.930			
5,900.00	5,824.56	5,803.44	5,796.56	28.20	200.88	-39.90	-669.05	8,959.74	8,269.65	8,041.36	228.29	36.224			
6,000.00	5,923.13	5,904.87	5,895.13	28.69	204.42	-39.97	-669.05	8,959.74	8,256.66	8,024.35	232.30	35.543			
6,100.00	6,021.70	6,006.30	5,993.70	29.17	207.96	-40.05	-669.05	8,959.74	8,243.67	8,007.36	236.32	34.884			
6,200.00	6,120.27	6,107.73	6,092.27	29.66	211.50	-40.12	-669.05	8,959.74	8,230.71	7,990.38	240.33	34.248			
6,238.51	6,158.23	6,130.23	6,130.23	29.84	212.29	-40.15	-669.05	8,959.74	8,225.72	7,984.42	241.30	34.090			
6,250.00	6,169.57	6,141.57	6,141.57	29.90	212.68	-44.58	-669.05	8,959.74	8,224.33	7,982.59	241.75	34.021			
6,300.00	6,219.12	6,208.88	6,191.12	30.13	215.03	-73.58	-669.05	8,959.74	8,220.71	7,976.38	244.32	33.647			
6,321.19	6,240.17	6,212.17	6,212.17	30.21	215.15	-90.00	-669.05	8,959.74	8,220.35	7,975.83	244.53	33.617 CC			
6,350.00	6,268.78	6,240.78	6,240.78	30.33	216.15	-111.33	-669.05	8,959.74	8,221.00	7,975.36	245.65	33.467 ES			
6,400.00	6,318.25	6,309.75	6,290.25	30.52	218.55	-136.15	-669.05	8,959.74	8,225.23	7,976.98	248.25	33.133			
6,450.00	6,367.22	6,339.22	6,339.22	30.69	219.58	-148.87	-669.05	8,959.74	8,233.34	7,983.90	249.45	33.007			
6,500.00	6,415.39	6,387.39	6,387.39	30.86	221.26	-155.89	-669.05	8,959.74	8,245.31	7,994.03	251.28	32.813			
6,550.00	6,462.47	6,434.47	6,434.47	31.02	222.91	-160.18	-669.05	8,959.74	8,261.05	8,007.98	253.06	32.644			
6,600.00	6,508.16	6,480.16	6,480.16	31.18	224.50	-163.01	-669.05	8,959.74	8,280.46	8,025.68	254.78	32.500			
6,650.00	6,552.18	6,524.18	6,524.18	31.34	226.04	-164.99	-669.05	8,959.74	8,303.43	8,047.00	256.43	32.381			
6,700.00	6,594.26	6,566.26	6,566.26	31.51	227.51	-166.41	-669.05	8,959.74	8,329.81	8,071.82	257.99	32.287			
6,750.00	6,634.14	6,606.14	6,606.14	31.68	228.90	-167.46	-669.05	8,959.74	8,359.45	8,099.98	259.46	32.218			
6,800.00	6,671.58	6,643.58	6,643.58	31.86	230.21	-168.22	-669.05	8,959.74	8,392.15	8,131.31	260.84	32.174			
6,850.00	6,706.34	6,678.34	6,678.34	32.06	231.42	-168.77	-669.05	8,959.74	8,427.72	8,165.61	262.11	32.154 SF			
6,900.00	6,738.21	6,710.21	6,710.21	32.27	232.53	-169.13	-669.05	8,959.74	8,465.94	8,202.67	263.27	32.157			
6,950.00	6,766.99	6,738.99	6,738.99	32.52	233.54	-169.32	-669.05	8,959.74	8,506.56	8,242.26	264.30	32.185			
7,000.00	6,792.51	6,764.51	6,764.51	32.80	234.43	-169.32	-669.05	8,959.74	8,549.35	8,284.13	265.22	32.235			
7,050.00	6,814.61	6,786.61	6,786.61	33.12	235.20	-169.10	-669.05	8,959.74	8,594.03	8,328.02	266.01	32.307			
7,100.00	6,833.15	6,805.15	6,805.15	33.48	235.85	-168.59	-669.05	8,959.74	8,640.33	8,373.66	266.67	32.401			
7,150.00	6,848.02	6,820.02	6,820.02	33.89	236.36	-167.56	-669.05	8,959.74	8,687.96	8,420.77	267.19	32.516			
7,200.00	6,859.13	6,831.13	6,831.13	34.35	236.75	-165.48	-669.05	8,959.74	8,736.63	8,469.05	267.58	32.650			
7,250.00	6,866.40	6,838.40	6,838.40	34.86	237.01	-160.27	-669.05	8,959.74	8,786.04	8,518.20	267.84	32.804			
7,300.00	6,869.79	6,841.79	6,841.79	35.40	237.12	-134.82	-669.05	8,959.74	8,835.88	8,567.93	267.96	32.975			
7,327.68	6,870.00	6,842.00	6,842.00	35.71	237.13	-59.44	-669.05	8,959.74	8,863.55	8,595.59	267.96	33.077			
7,400.00	6,868.97	6,840.97	6,840.97	36.61	237.10	-59.23	-669.05	8,959.74	8,935.84	8,667.91	267.93	33.351			
7,500.00	6,867.54	6,839.54	6,839.54	38.01	237.05	-58.95	-669.05	8,959.74	9,035.80	8,767.91	267.89	33.729			
7,600.00	6,866.12	6,838.12	6,838.12	39.58	237.00	-58.67	-669.05	8,959.74	9,135.77	8,867.92	267.85	34.108			
7,700.00	6,864.69	6,836.69	6,836.69	41.29	236.95	-58.39	-669.05	8,959.74	9,235.73	8,967.92	267.81	34.486			
7,800.00	6,863.27	6,835.27	6,835.27	43.12	236.90	-58.12	-669.05	8,959.74	9,335.69	9,067.92	267.77	34.864			
7,900.00	6,861.85	6,833.85	6,833.85	45.06	236.85	-57.84	-669.05	8,959.74	9,435.66	9,167.92	267.74	35.242			
8,000.00	6,860.42	6,832.42	6,832.42	47.10	236.80	-57.57	-669.05	8,959.74	9,535.62	9,267.92	267.70	35.621			
8,100.00	6,859.00	6,831.00	6,831.00	49.21	236.75	-57.30	-669.05	8,959.74	9,635.59	9,367.92	267.66	35.999			
8,200.00	6,857.57	6,829.57	6,829.57	51.40	236.70	-57.03	-669.05	8,959.74	9,735.55	9,467.92	267.63	36.377			
8,300.00	6,856.15	6,828.15	6,828.15	53.65	236.65	-56.76	-669.05	8,959.74	9,835.52	9,567.92	267.60	36.755			
8,400.00	6,854.72	6,826.72	6,826.72	55.96	236.60	-56.50	-669.05	8,959.74	9,935.48	9,667.92	267.57	37.133			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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 #2-3 - 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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
3,200.00	3,163.16	3,119.16	3,119.16	15.19	107.19	-46.60	770.45	10,275.89	9,989.60	9,867.50	122.10	81.814			
3,300.00	3,261.73	3,217.73	3,217.73	15.66	110.63	-46.67	770.45	10,275.89	9,977.94	9,851.94	126.01	79.186			
3,400.00	3,360.30	3,316.30	3,316.30	16.14	114.07	-46.74	770.45	10,275.89	9,966.30	9,836.39	129.91	76.716			
3,500.00	3,458.87	3,414.87	3,414.87	16.62	117.51	-46.81	770.45	10,275.89	9,954.67	9,820.85	133.82	74.389			
3,600.00	3,557.44	3,513.44	3,513.44	17.10	120.95	-46.88	770.45	10,275.89	9,943.06	9,805.33	137.73	72.194			
3,700.00	3,656.01	3,612.01	3,612.01	17.58	124.39	-46.95	770.45	10,275.89	9,931.46	9,789.83	141.63	70.120			
3,800.00	3,754.58	3,710.58	3,710.58	18.06	127.83	-47.02	770.45	10,275.89	9,919.88	9,774.33	145.54	68.158			
3,900.00	3,853.15	3,809.15	3,809.15	18.54	131.27	-47.09	770.45	10,275.89	9,908.31	9,758.86	149.45	66.297			
4,000.00	3,951.72	3,907.72	3,907.72	19.02	134.71	-47.16	770.45	10,275.89	9,896.76	9,743.39	153.36	64.532			
4,100.00	4,050.29	4,006.29	4,006.29	19.50	138.15	-47.23	770.45	10,275.89	9,885.22	9,727.95	157.27	62.854			
4,200.00	4,148.86	4,104.86	4,104.86	19.98	141.59	-47.30	770.45	10,275.89	9,873.70	9,712.51	161.19	61.257			
4,300.00	4,247.43	4,203.43	4,203.43	20.46	145.03	-47.37	770.45	10,275.89	9,862.19	9,697.09	165.10	59.736			
4,400.00	4,346.00	4,302.00	4,302.00	20.94	148.47	-47.44	770.45	10,275.89	9,850.70	9,681.69	169.01	58.285			
4,500.00	4,444.58	4,400.58	4,400.58	21.43	151.91	-47.52	770.45	10,275.89	9,839.22	9,666.30	172.92	56.900			
4,600.00	4,543.15	4,500.85	4,499.15	21.91	155.41	-47.59	770.45	10,275.89	9,827.76	9,650.87	176.89	55.557			
4,700.00	4,641.72	4,602.28	4,597.72	22.39	158.95	-47.66	770.45	10,275.89	9,816.32	9,635.41	180.91	54.261			
4,800.00	4,740.29	4,703.71	4,696.29	22.87	162.49	-47.73	770.45	10,275.89	9,804.89	9,619.97	184.92	53.022			
4,900.00	4,838.86	4,805.14	4,794.86	23.36	166.03	-47.81	770.45	10,275.89	9,793.47	9,604.54	188.94	51.835			
5,000.00	4,937.43	4,906.57	4,893.43	23.84	169.58	-47.88	770.45	10,275.89	9,782.08	9,589.13	192.95	50.698			
5,100.00	5,036.00	5,008.00	4,992.00	24.32	173.12	-47.95	770.45	10,275.89	9,770.69	9,573.73	196.96	49.606			
5,200.00	5,134.57	5,109.43	5,090.57	24.81	176.66	-48.02	770.45	10,275.89	9,759.33	9,558.35	200.98	48.559			
5,300.00	5,233.14	5,189.14	5,189.14	25.29	179.44	-48.10	770.45	10,275.89	9,747.98	9,543.74	204.24	47.729			
5,400.00	5,331.71	5,287.71	5,287.71	25.78	182.88	-48.17	770.45	10,275.89	9,736.64	9,528.49	208.15	46.777			
5,500.00	5,430.28	5,386.28	5,386.28	26.26	186.32	-48.24	770.45	10,275.89	9,725.32	9,513.26	212.07	45.860			
5,600.00	5,528.85	5,484.85	5,484.85	26.75	189.76	-48.32	770.45	10,275.89	9,714.02	9,498.04	215.98	44.976			
5,700.00	5,627.42	5,583.42	5,583.42	27.23	193.20	-48.39	770.45	10,275.89	9,702.73	9,482.83	219.90	44.123			
5,800.00	5,725.99	5,681.99	5,681.99	27.72	196.64	-48.46	770.45	10,275.89	9,691.46	9,467.65	223.82	43.301			
5,900.00	5,824.56	5,780.56	5,780.56	28.20	200.08	-48.54	770.45	10,275.89	9,680.21	9,452.48	227.73	42.507			
6,000.00	5,923.13	5,879.13	5,879.13	28.69	203.52	-48.61	770.45	10,275.89	9,668.97	9,437.32	231.65	41.739			
6,100.00	6,021.70	5,977.70	5,977.70	29.17	206.96	-48.69	770.45	10,275.89	9,657.75	9,422.18	235.57	40.998			
6,200.00	6,120.27	6,076.27	6,076.27	29.66	210.40	-48.76	770.45	10,275.89	9,646.55	9,407.06	239.49	40.280			
6,238.51	6,158.23	6,114.23	6,114.23	29.84	211.73	-48.79	770.45	10,275.89	9,642.23	9,401.24	241.00	40.010			
6,250.00	6,169.57	6,125.57	6,125.57	29.90	212.12	-53.20	770.45	10,275.89	9,641.05	9,399.61	241.45	39.931			
6,300.00	6,219.12	6,175.12	6,175.12	30.13	213.85	-82.16	770.45	10,275.89	9,638.30	9,394.89	243.40	39.598			
6,310.29	6,229.34	6,185.34	6,185.34	30.17	214.21	-90.00	770.45	10,275.89	9,638.21	9,394.41	243.80	39.533 CC			
6,350.00	6,268.78	6,224.78	6,224.78	30.33	215.59	-119.91	770.45	10,275.89	9,639.45	9,394.10	245.35	39.289 ES			
6,400.00	6,318.25	6,274.25	6,274.25	30.52	217.31	-144.79	770.45	10,275.89	9,644.49	9,397.23	247.26	39.005			
6,450.00	6,367.22	6,323.22	6,323.22	30.69	219.02	-157.62	770.45	10,275.89	9,653.40	9,404.25	249.14	38.746			
6,500.00	6,415.39	6,371.39	6,371.39	30.86	220.70	-164.80	770.45	10,275.89	9,666.11	9,415.13	250.98	38.514			
6,550.00	6,462.47	6,418.47	6,418.47	31.02	222.35	-169.31	770.45	10,275.89	9,682.55	9,429.79	252.76	38.307			
6,600.00	6,508.16	6,464.16	6,464.16	31.18	223.94	-172.44	770.45	10,275.89	9,702.62	9,448.14	254.48	38.127			
6,650.00	6,552.18	6,508.18	6,508.18	31.34	225.48	-174.78	770.45	10,275.89	9,726.19	9,470.06	256.13	37.973			
6,700.00	6,594.26	6,550.26	6,550.26	31.51	226.95	-176.67	770.45	10,275.89	9,753.12	9,495.42	257.70	37.846			
6,750.00	6,634.14	6,609.86	6,590.14	31.68	229.03	-178.30	770.45	10,275.89	9,783.24	9,523.37	259.87	37.647			
6,800.00	6,671.58	6,627.58	6,627.58	31.86	229.65	-179.80	770.45	10,275.89	9,816.36	9,555.79	260.56	37.673			
6,850.00	6,706.34	6,662.34	6,662.34	32.06	230.86	178.74	770.45	10,275.89	9,852.28	9,590.44	261.84	37.627			
6,900.00	6,738.21	6,705.79	6,694.21	32.27	232.38	177.21	770.45	10,275.89	9,890.78	9,627.37	263.41	37.549 SF			
6,950.00	6,766.99	6,722.99	6,722.99	32.52	232.98	175.49	770.45	10,275.89	9,931.62	9,667.57	264.05	37.612			
7,000.00	6,792.51	6,748.51	6,748.51	32.80	233.87	173.45	770.45	10,275.89	9,974.55	9,709.57	264.98	37.643			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	96.28	-582.31	5,290.64	5,322.64					
100.00	100.00	96.24	96.24	3.28	3.29	96.28	-582.52	5,290.44	5,322.45	5,315.88	6.57	809.921		
200.00	200.00	231.67	231.67	3.34	3.34	96.29	-583.16	5,289.37	5,321.70	5,315.02	6.68	796.580		
300.00	300.00	314.81	314.80	3.44	3.43	96.30	-583.56	5,288.62	5,320.86	5,313.98	6.88	773.694		
400.00	399.98	446.10	446.08	3.60	3.64	-33.84	-584.17	5,287.43	5,318.61	5,311.36	7.24	734.443		
500.00	499.84	560.83	560.80	3.79	3.89	-33.93	-584.37	5,285.74	5,312.81	5,305.12	7.68	691.697		
600.00	599.45	627.99	627.95	4.03	4.06	-34.06	-584.67	5,284.90	5,304.36	5,296.28	8.08	656.438		
700.00	698.70	713.11	713.07	4.30	4.29	-34.24	-585.29	5,284.13	5,293.43	5,284.85	8.58	616.814		
785.00	782.69	781.32	781.27	4.56	4.48	-34.43	-585.71	5,283.69	5,282.11	5,273.07	9.04	584.536		
800.00	797.47	792.93	792.88	4.60	4.52	-34.44	-585.75	5,283.65	5,279.96	5,270.84	9.12	578.912		
900.00	896.04	885.87	885.83	4.94	4.80	-34.54	-585.33	5,283.48	5,265.78	5,256.05	9.73	541.371		
1,000.00	994.61	968.43	968.35	5.30	5.06	-34.65	-582.98	5,283.57	5,251.68	5,241.35	10.33	508.395		
1,100.00	1,093.18	1,076.15	1,075.88	5.69	5.41	-34.84	-576.81	5,284.41	5,237.98	5,226.94	11.04	474.316		
1,200.00	1,191.75	1,517.80	1,515.41	6.08	7.05	-35.74	-536.86	5,274.41	5,221.95	5,208.91	13.04	400.442		
1,300.00	1,290.32	1,627.98	1,625.20	6.49	7.49	-35.93	-530.53	5,267.69	5,201.71	5,187.85	13.86	375.261		
1,400.00	1,388.89	1,696.09	1,693.04	6.91	7.77	-36.05	-526.25	5,263.37	5,181.29	5,166.76	14.53	356.484		
1,500.00	1,487.46	1,753.00	1,749.81	7.34	8.00	-36.14	-523.65	5,260.37	5,161.89	5,146.72	15.18	340.147		
1,600.00	1,586.03	1,788.66	1,785.41	7.77	8.15	-36.19	-522.20	5,258.82	5,143.43	5,127.69	15.74	326.709		
1,700.00	1,684.61	1,845.00	1,841.63	8.22	8.38	-36.29	-519.23	5,256.91	5,125.95	5,109.55	16.40	312.563		
1,800.00	1,783.18	1,950.38	1,946.82	8.66	8.82	-36.47	-513.67	5,253.67	5,108.89	5,091.63	17.26	296.034		
1,900.00	1,881.75	2,017.79	2,014.14	9.11	9.10	-36.58	-510.86	5,251.68	5,092.01	5,074.04	17.97	283.338		
2,000.00	1,980.32	2,137.73	2,133.96	9.57	9.59	-36.76	-506.75	5,248.11	5,075.25	5,056.36	18.90	268.579		
2,100.00	2,078.89	2,178.90	2,175.10	10.02	9.76	-36.81	-505.84	5,247.08	5,058.90	5,039.38	19.52	259.215		
2,200.00	2,177.46	2,238.58	2,234.77	10.49	10.01	-36.89	-505.12	5,246.00	5,043.44	5,023.22	20.21	249.529		
2,300.00	2,276.03	2,321.65	2,317.82	10.95	10.35	-37.00	-503.84	5,244.94	5,028.53	5,007.53	21.00	239.432		
2,400.00	2,374.60	2,473.74	2,469.87	11.41	10.98	-37.21	-501.12	5,242.42	5,013.30	4,991.23	22.07	227.173		
2,500.00	2,473.17	2,580.54	2,576.61	11.88	11.43	-37.36	-499.10	5,239.87	4,997.33	4,974.37	22.96	217.641		
2,600.00	2,571.74	2,631.83	2,627.89	12.35	11.64	-37.42	-498.83	5,238.82	4,981.82	4,958.19	23.63	210.789		
2,700.00	2,670.31	2,674.00	2,670.05	12.82	11.81	-37.47	-499.25	5,238.29	4,967.28	4,943.01	24.27	204.642		
2,800.00	2,768.88	2,713.65	2,709.70	13.29	11.97	-37.51	-499.83	5,238.25	4,953.91	4,929.01	24.90	198.982		
2,900.00	2,867.45	2,766.00	2,762.04	13.76	12.17	-37.56	-500.32	5,239.13	4,941.96	4,916.39	25.57	193.294		
3,000.00	2,966.02	2,826.22	2,822.24	14.24	12.40	-37.63	-500.67	5,240.68	4,930.92	4,904.65	26.27	187.729		
3,100.00	3,064.59	2,939.36	2,935.35	14.71	12.84	-37.76	-501.33	5,243.20	4,919.75	4,892.59	27.17	181.091		
3,200.00	3,163.16	3,086.63	3,082.59	15.19	13.42	-37.93	-502.48	5,245.59	4,908.02	4,879.82	28.20	174.037		
3,300.00	3,261.73	3,197.02	3,192.98	15.66	13.86	-38.05	-503.44	5,246.65	4,895.65	4,866.55	29.10	168.235		
3,400.00	3,360.30	3,307.86	3,303.81	16.14	14.30	-38.18	-504.22	5,247.54	4,883.16	4,853.15	30.00	162.747		
3,500.00	3,458.87	3,386.72	3,382.66	16.62	14.63	-38.28	-504.03	5,248.25	4,870.73	4,839.94	30.79	158.169		
3,600.00	3,557.44	3,472.64	3,468.57	17.10	14.98	-38.40	-502.87	5,249.35	4,858.68	4,827.06	31.62	153.669		
3,700.00	3,656.01	3,624.80	3,620.67	17.58	15.62	-38.64	-499.26	5,250.49	4,846.01	4,813.31	32.71	148.158		
3,800.00	3,754.58	3,782.96	3,778.82	18.06	16.28	-38.86	-497.41	5,250.14	4,832.61	4,798.79	33.82	142.902		
3,900.00	3,853.15	3,844.00	3,839.86	18.54	16.54	-38.93	-497.38	5,249.47	4,818.52	4,783.97	34.55	139.446		
4,000.00	3,951.72	3,904.13	3,899.98	19.02	16.79	-39.01	-497.78	5,249.28	4,805.24	4,769.96	35.28	136.189		
4,100.00	4,050.29	3,961.94	3,957.78	19.50	17.02	-39.07	-498.94	5,249.97	4,793.23	4,757.23	36.00	133.144		
4,200.00	4,148.86	4,052.36	4,048.17	19.98	17.39	-39.16	-500.94	5,251.24	4,781.55	4,744.71	36.84	129.799		
4,300.00	4,247.43	4,126.05	4,121.83	20.46	17.69	-39.24	-502.43	5,252.60	4,770.30	4,732.68	37.61	126.823		
4,400.00	4,346.00	4,336.05	4,331.78	20.94	18.55	-39.48	-504.56	5,255.45	4,758.99	4,720.08	38.91	122.303		
4,500.00	4,444.58	4,454.56	4,450.29	21.43	19.05	-39.63	-504.99	5,255.04	4,745.60	4,705.73	39.87	119.033		
4,600.00	4,543.15	4,557.38	4,553.10	21.91	19.48	-39.76	-505.12	5,254.34	4,731.89	4,691.12	40.77	116.065		
4,700.00	4,641.72	4,683.80	4,679.52	22.39	20.02	-39.94	-504.75	5,253.08	4,717.88	4,676.12	41.76	112.974		
4,800.00	4,740.29	4,772.79	4,768.50	22.87	20.40	-40.06	-504.43	5,251.87	4,703.55	4,660.94	42.61	110.374		
4,900.00	4,838.86	4,841.41	4,837.11	23.36	20.69	-40.15	-504.47	5,251.39	4,689.87	4,646.47	43.39	108.079		
5,000.00	4,937.43	4,936.44	4,932.15	23.84	21.09	-40.28	-504.57	5,251.01	4,676.53	4,632.26	44.27	105.638		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,038.79	5,034.50	24.32	21.53	-40.41	-504.98	5,250.56	4,663.17	4,618.00	45.17	103.231		
5,200.00	5,134.57	5,157.42	5,153.12	24.81	22.03	-40.56	-505.70	5,249.88	4,649.73	4,603.60	46.13	100.789		
5,300.00	5,233.14	5,261.97	5,257.66	25.29	22.47	-40.69	-506.82	5,248.81	4,635.84	4,588.79	47.04	98.544		
5,400.00	5,331.71	5,364.68	5,360.35	25.78	22.90	-40.81	-508.35	5,247.72	4,621.93	4,573.98	47.95	96.398		
5,500.00	5,430.28	5,443.44	5,439.11	26.26	23.24	-40.92	-508.40	5,247.02	4,608.22	4,559.45	48.77	94.496		
5,600.00	5,528.85	5,588.44	5,584.09	26.75	23.85	-41.12	-508.76	5,245.16	4,594.11	4,544.28	49.82	92.207		
5,700.00	5,627.42	5,658.48	5,654.09	27.23	24.15	-41.19	-510.60	5,244.04	4,579.80	4,529.19	50.61	90.487		
5,800.00	5,725.99	5,717.00	5,712.60	27.72	24.39	-41.26	-511.78	5,243.82	4,566.54	4,515.18	51.36	88.915		
5,900.00	5,824.56	5,820.75	5,816.34	28.20	24.83	-41.38	-513.60	5,243.81	4,553.78	4,501.52	52.26	87.129		
6,000.00	5,923.13	5,911.33	5,906.89	28.69	25.21	-41.49	-515.58	5,243.54	4,540.75	4,487.62	53.13	85.472		
6,100.00	6,021.70	5,967.34	5,962.90	29.17	25.44	-41.56	-516.02	5,243.73	4,528.38	4,474.52	53.86	84.076		
6,200.00	6,120.27	6,123.60	6,119.16	29.66	26.10	-41.78	-516.29	5,244.01	4,515.91	4,460.95	54.96	82.168		
6,238.51	6,158.23	6,166.44	6,161.98	29.84	26.29	-41.83	-517.03	5,243.80	4,510.83	4,455.51	55.32	81.540		
6,250.00	6,169.57	6,179.24	6,174.78	29.90	26.34	-46.26	-517.30	5,243.73	4,509.41	4,453.98	55.43	81.356		
6,300.00	6,219.12	6,212.86	6,208.40	30.13	26.48	-75.26	-517.65	5,243.62	4,505.76	4,449.95	55.81	80.734		
6,320.16	6,239.14	6,228.35	6,223.89	30.21	26.55	-90.87	-517.73	5,243.59	4,505.43	4,449.47	55.96	80.505 CC, ES		
6,350.00	6,268.78	6,253.00	6,248.54	30.33	26.65	-113.03	-517.72	5,243.56	4,506.15	4,449.95	56.20	80.183		
6,400.00	6,318.25	6,253.00	6,248.54	30.52	26.65	-137.82	-517.72	5,243.56	4,510.79	4,454.37	56.42	79.951		
6,450.00	6,367.22	6,289.99	6,285.53	30.69	26.81	-150.58	-517.60	5,243.80	4,519.46	4,462.71	56.75	79.636		
6,500.00	6,415.39	6,308.42	6,303.96	30.86	26.88	-157.61	-517.55	5,244.10	4,532.38	4,475.39	57.00	79.519		
6,550.00	6,462.47	6,342.00	6,337.53	31.02	27.02	-161.96	-517.48	5,244.95	4,549.43	4,492.15	57.28	79.421 SF		
6,600.00	6,508.16	6,342.00	6,337.53	31.18	27.02	-164.81	-517.48	5,244.95	4,570.27	4,512.85	57.42	79.594		
6,650.00	6,552.18	6,342.00	6,337.53	31.34	27.02	-166.81	-517.48	5,244.95	4,595.03	4,537.49	57.54	79.864		
6,700.00	6,594.26	6,342.00	6,337.53	31.51	27.02	-168.28	-517.48	5,244.95	4,623.49	4,565.86	57.63	80.225		
6,750.00	6,634.14	6,342.00	6,337.53	31.68	27.02	-169.38	-517.48	5,244.95	4,655.43	4,597.72	57.71	80.672		
6,800.00	6,671.58	6,380.41	6,375.90	31.86	27.18	-170.32	-517.15	5,246.66	4,689.90	4,631.96	57.93	80.952		
6,850.00	6,706.34	6,387.99	6,383.46	32.06	27.21	-171.00	-517.03	5,247.11	4,727.66	4,669.65	58.02	81.490		
6,900.00	6,738.21	6,394.77	6,390.23	32.27	27.24	-171.55	-516.90	5,247.56	4,768.03	4,709.95	58.08	82.094		
6,950.00	6,766.99	6,431.00	6,426.33	32.52	27.39	-172.08	-515.96	5,250.45	4,811.12	4,752.86	58.27	82.573		
7,000.00	6,792.51	6,431.00	6,426.33	32.80	27.39	-172.40	-515.96	5,250.45	4,855.67	4,797.39	58.28	83.314		
7,050.00	6,814.61	6,431.00	6,426.33	33.12	27.39	-172.64	-515.96	5,250.45	4,901.94	4,843.65	58.29	84.096		
7,100.00	6,833.15	6,431.00	6,426.33	33.48	27.39	-172.80	-515.96	5,250.45	4,949.60	4,891.31	58.29	84.909		
7,150.00	6,848.02	6,431.00	6,426.33	33.89	27.39	-172.85	-515.96	5,250.45	4,998.33	4,940.03	58.29	85.745		
7,200.00	6,859.13	6,431.00	6,426.33	34.35	27.39	-172.67	-515.96	5,250.45	5,047.79	4,989.50	58.29	86.595		
7,250.00	6,866.40	6,431.00	6,426.33	34.86	27.39	-170.58	-515.96	5,250.45	5,097.68	5,039.38	58.29	87.451		
7,300.00	6,869.79	6,431.00	6,426.33	35.40	27.39	5.15	-515.96	5,250.45	5,147.66	5,089.36	58.30	88.302		
7,327.68	6,870.00	6,431.00	6,426.33	35.71	27.39	5.76	-515.96	5,250.45	5,175.26	5,116.96	58.30	88.770		
7,400.00	6,868.97	6,431.00	6,426.33	36.61	27.39	5.76	-515.96	5,250.45	5,247.25	5,188.94	58.31	89.983		
7,500.00	6,867.54	6,431.00	6,426.33	38.01	27.39	5.76	-515.96	5,250.45	5,346.81	5,288.48	58.33	91.659		
7,600.00	6,866.12	6,431.00	6,426.33	39.58	27.39	5.76	-515.96	5,250.45	5,446.38	5,388.03	58.35	93.333		
7,700.00	6,864.69	6,431.00	6,426.33	41.29	27.39	5.76	-515.96	5,250.45	5,545.98	5,487.60	58.38	95.005		
7,800.00	6,863.27	6,431.00	6,426.33	43.12	27.39	5.76	-515.96	5,250.45	5,645.58	5,587.18	58.40	96.675		
7,900.00	6,861.85	6,431.00	6,426.33	45.06	27.39	5.76	-515.96	5,250.45	5,745.20	5,686.78	58.42	98.344		
8,000.00	6,860.42	6,431.00	6,426.33	47.10	27.39	5.76	-515.96	5,250.45	5,844.83	5,786.39	58.44	100.010		
8,100.00	6,859.00	6,431.00	6,426.33	49.21	27.39	5.76	-515.96	5,250.45	5,944.48	5,886.01	58.47	101.673		
8,200.00	6,857.57	6,431.00	6,426.33	51.40	27.39	5.76	-515.96	5,250.45	6,044.13	5,985.64	58.49	103.335		
8,300.00	6,856.15	6,431.00	6,426.33	53.65	27.39	5.76	-515.96	5,250.45	6,143.80	6,085.28	58.52	104.994		
8,400.00	6,854.72	6,431.00	6,426.33	55.96	27.39	5.76	-515.96	5,250.45	6,243.48	6,184.94	58.54	106.651		
8,500.00	6,853.30	6,396.19	6,391.64	58.31	27.25	5.30	-516.87	5,247.65	6,342.65	6,284.22	58.43	108.555		
8,600.00	6,851.88	6,394.68	6,390.13	60.70	27.24	5.28	-516.90	5,247.55	6,442.30	6,383.85	58.45	110.218		
8,700.00	6,850.45	6,393.20	6,388.66	63.14	27.24	5.27	-516.93	5,247.45	6,541.96	6,483.49	58.47	111.879		
8,800.00	6,849.03	6,391.76	6,387.22	65.60	27.23	5.25	-516.96	5,247.36	6,641.63	6,583.14	58.50	113.536		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,390.35	6,385.82	68.10	27.22	5.23	-516.98	5,247.26	6,741.31	6,682.79	58.52	115.190		
9,000.00	6,846.18	6,388.98	6,384.45	70.62	27.22	5.22	-517.01	5,247.18	6,841.00	6,782.45	58.55	116.840		
9,100.00	6,844.75	6,387.64	6,383.11	73.17	27.21	5.20	-517.03	5,247.09	6,940.69	6,882.12	58.58	118.488		
9,200.00	6,843.33	6,386.34	6,381.81	75.73	27.21	5.19	-517.06	5,247.01	7,040.39	6,981.79	58.61	120.132		
9,300.00	6,841.91	6,385.06	6,380.53	78.32	27.20	5.17	-517.08	5,246.93	7,140.10	7,081.47	58.63	121.772		
9,400.00	6,840.48	6,383.81	6,379.29	80.92	27.20	5.16	-517.10	5,246.86	7,239.82	7,181.15	58.67	123.409		
9,500.00	6,839.06	6,382.59	6,378.07	83.54	27.19	5.15	-517.12	5,246.78	7,339.54	7,280.84	58.70	125.043		
9,600.00	6,837.63	6,381.40	6,376.88	86.18	27.19	5.13	-517.13	5,246.71	7,439.27	7,380.54	58.73	126.673		
9,700.00	6,836.21	6,380.23	6,375.72	88.82	27.18	5.12	-517.15	5,246.65	7,539.00	7,480.24	58.76	128.299		
9,800.00	6,834.78	6,379.09	6,374.58	91.48	27.18	5.11	-517.17	5,246.58	7,638.74	7,579.94	58.80	129.921		
9,900.00	6,833.36	6,342.00	6,337.53	94.15	27.02	4.76	-517.48	5,244.95	7,739.02	7,680.32	58.70	131.837		
10,000.00	6,831.94	6,342.00	6,337.53	96.83	27.02	4.76	-517.48	5,244.95	7,838.74	7,779.99	58.74	133.443		
10,100.00	6,830.51	6,342.00	6,337.53	99.52	27.02	4.76	-517.48	5,244.95	7,938.46	7,879.68	58.78	135.045		
10,200.00	6,829.09	6,342.00	6,337.53	102.22	27.02	4.76	-517.48	5,244.95	8,038.19	7,979.37	58.83	136.643		
10,300.00	6,827.66	6,342.00	6,337.53	104.92	27.02	4.76	-517.48	5,244.95	8,137.93	8,079.06	58.87	138.237		
10,400.00	6,826.24	6,342.00	6,337.53	107.63	27.02	4.76	-517.48	5,244.95	8,237.68	8,178.76	58.91	139.827		
10,500.00	6,824.81	6,342.00	6,337.53	110.35	27.02	4.76	-517.48	5,244.95	8,337.43	8,278.47	58.96	141.413		
10,600.00	6,823.39	6,342.00	6,337.53	113.08	27.02	4.76	-517.48	5,244.95	8,437.18	8,378.18	59.00	142.994		
10,700.00	6,821.96	6,342.00	6,337.53	115.81	27.02	4.76	-517.48	5,244.95	8,536.95	8,477.90	59.05	144.571		
10,800.00	6,820.54	6,342.00	6,337.53	118.54	27.02	4.76	-517.48	5,244.95	8,636.71	8,577.62	59.10	146.144		
10,900.00	6,819.12	6,342.00	6,337.53	121.29	27.02	4.76	-517.48	5,244.95	8,736.49	8,677.34	59.15	147.713		
11,000.00	6,817.69	6,342.00	6,337.53	124.03	27.02	4.76	-517.48	5,244.95	8,836.26	8,777.07	59.19	149.277		
11,100.00	6,816.27	6,342.00	6,337.53	126.78	27.02	4.76	-517.48	5,244.95	8,936.05	8,876.80	59.24	150.836		
11,200.00	6,814.84	6,342.00	6,337.53	129.54	27.02	4.76	-517.48	5,244.95	9,035.84	8,976.54	59.29	152.391		
11,300.00	6,813.42	6,342.00	6,337.53	132.29	27.02	4.76	-517.48	5,244.95	9,135.63	9,076.28	59.35	153.941		
11,400.00	6,811.99	6,342.00	6,337.53	135.05	27.02	4.76	-517.48	5,244.95	9,235.43	9,176.03	59.40	155.486		
11,500.00	6,810.57	6,342.00	6,337.53	137.82	27.02	4.76	-517.48	5,244.95	9,335.23	9,275.78	59.45	157.027		
11,534.42	6,810.08	6,342.00	6,337.53	138.77	27.02	4.76	-517.48	5,244.95	9,369.58	9,310.11	59.47	157.556		
11,600.00	6,809.15	6,342.00	6,337.53	140.59	27.02	24.33	-517.48	5,244.95	9,435.02	9,375.52	59.50	158.562		
11,645.35	6,808.50	6,342.00	6,337.53	141.85	27.02	35.33	-517.48	5,244.95	9,480.26	9,420.73	59.53	159.257		
11,700.00	6,807.72	6,342.00	6,337.53	143.37	27.02	35.33	-517.48	5,244.95	9,534.75	9,475.19	59.56	160.093		
11,800.00	6,806.30	6,342.00	6,337.53	146.16	27.02	35.33	-517.48	5,244.95	9,634.47	9,574.86	59.61	161.617		
11,900.00	6,804.88	6,342.00	6,337.53	148.94	27.02	35.33	-517.48	5,244.95	9,734.20	9,674.53	59.67	163.136		
12,000.00	6,803.45	6,342.00	6,337.53	151.74	27.02	35.33	-517.48	5,244.95	9,833.94	9,774.21	59.73	164.650		
12,100.00	6,802.03	6,342.00	6,337.53	154.53	27.02	35.33	-517.48	5,244.95	9,933.67	9,873.89	59.78	166.158		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	96.41	-590.33	5,251.39	5,284.52					
100.00	100.00	92.86	92.86	3.28	3.29	96.42	-591.23	5,251.16	5,284.36	5,277.79	6.57	803.944		
200.00	200.00	206.63	206.60	3.34	3.36	96.45	-593.28	5,250.32	5,283.82	5,277.12	6.70	788.782		
300.00	300.00	292.25	292.21	3.44	3.46	96.46	-594.65	5,249.83	5,283.42	5,276.51	6.91	764.756		
400.00	399.98	389.20	389.15	3.60	3.62	-33.65	-596.09	5,249.41	5,281.71	5,274.49	7.22	731.465		
500.00	499.84	541.40	541.33	3.79	3.96	-33.73	-598.35	5,248.41	5,276.99	5,269.24	7.75	681.111		
600.00	599.45	681.16	680.94	4.03	4.34	-33.84	-603.59	5,245.28	5,267.85	5,259.49	8.36	629.765		
700.00	698.70	742.00	741.62	4.30	4.52	-33.97	-607.72	5,243.71	5,255.99	5,247.17	8.82	595.927		
785.00	782.69	793.39	792.84	4.56	4.69	-34.11	-611.89	5,242.66	5,244.22	5,234.98	9.24	567.421		
800.00	797.47	800.77	800.18	4.60	4.71	-34.11	-612.50	5,242.55	5,242.03	5,232.72	9.32	562.704		
900.00	896.04	837.00	836.29	4.94	4.84	-34.11	-615.55	5,242.15	5,228.04	5,218.28	9.76	535.596		
1,000.00	994.61	890.06	889.14	5.30	5.02	-34.11	-620.29	5,242.10	5,215.03	5,204.73	10.29	506.638		
1,100.00	1,093.18	930.00	928.88	5.69	5.16	-34.11	-624.15	5,242.52	5,203.14	5,192.33	10.80	481.638		
1,200.00	1,191.75	963.09	961.80	6.08	5.28	-34.11	-627.47	5,243.25	5,192.45	5,181.14	11.31	459.209		
1,300.00	1,290.32	994.65	993.17	6.49	5.40	-34.11	-630.68	5,244.37	5,183.06	5,171.24	11.82	438.478		
1,400.00	1,388.89	1,031.12	1,029.41	6.91	5.53	-34.11	-634.42	5,246.18	5,174.98	5,162.62	12.36	418.584		
1,500.00	1,487.46	1,321.58	1,319.00	7.34	6.64	-34.22	-653.01	5,256.93	5,164.78	5,150.91	13.86	372.515		
1,600.00	1,586.03	1,367.81	1,365.17	7.77	6.82	-34.25	-655.03	5,258.26	5,154.10	5,139.64	14.47	356.290		
1,700.00	1,684.61	1,432.85	1,430.09	8.22	7.07	-34.29	-658.12	5,260.76	5,144.38	5,129.23	15.15	339.573		
1,800.00	1,783.18	1,536.89	1,533.84	8.66	7.50	-34.33	-664.80	5,264.82	5,134.93	5,118.94	16.00	320.962		
1,900.00	1,881.75	1,642.13	1,638.83	9.11	7.93	-34.38	-670.87	5,268.71	5,125.23	5,108.37	16.86	303.920		
2,000.00	1,980.32	1,795.38	1,791.80	9.57	8.57	-34.46	-678.68	5,273.54	5,114.86	5,096.93	17.93	285.300		
2,100.00	2,078.89	1,870.92	1,867.23	10.02	8.88	-34.51	-682.06	5,275.85	5,104.39	5,085.70	18.68	273.191		
2,200.00	2,177.46	1,946.00	1,942.17	10.49	9.20	-34.55	-685.72	5,278.33	5,094.25	5,074.81	19.44	261.985		
2,300.00	2,276.03	2,004.24	2,000.29	10.95	9.45	-34.58	-688.75	5,280.61	5,084.78	5,064.64	20.14	252.460		
2,400.00	2,374.60	2,067.25	2,063.13	11.41	9.72	-34.62	-692.14	5,283.73	5,076.25	5,055.40	20.86	243.366		
2,500.00	2,473.17	2,165.99	2,161.62	11.88	10.14	-34.68	-696.83	5,288.97	5,068.07	5,046.34	21.73	233.266		
2,600.00	2,571.74	2,301.79	2,297.00	12.35	10.73	-34.74	-705.05	5,295.54	5,059.56	5,036.80	22.76	222.287		
2,700.00	2,670.31	2,389.88	2,384.78	12.82	11.13	-34.77	-711.45	5,299.36	5,050.68	5,027.08	23.60	213.969		
2,800.00	2,768.88	2,498.56	2,493.12	13.29	11.61	-34.81	-718.50	5,304.31	5,041.93	5,017.40	24.54	205.489		
2,900.00	2,867.45	2,900.00	2,648.32	13.76	13.40	-34.89	-727.38	5,310.56	5,032.62	5,005.87	26.75	188.152		
3,000.00	2,966.02	2,807.16	2,800.89	14.24	12.99	-34.94	-738.33	5,314.29	5,021.70	4,994.91	26.80	187.411		
3,100.00	3,064.59	2,922.43	2,915.80	14.71	13.51	-34.97	-747.10	5,316.45	5,010.40	4,982.63	27.77	180.438		
3,200.00	3,163.16	3,046.04	3,039.23	15.19	14.06	-35.04	-753.50	5,318.76	4,998.88	4,970.11	28.77	173.777		
3,300.00	3,261.73	3,243.32	3,236.38	15.66	14.91	-35.19	-759.86	5,320.54	4,986.39	4,956.35	30.04	165.975		
3,400.00	3,360.30	3,321.57	3,314.63	16.14	15.24	-35.27	-760.47	5,320.78	4,972.91	4,942.07	30.84	161.253		
3,500.00	3,458.87	3,426.06	3,419.12	16.62	15.67	-35.38	-761.14	5,321.04	4,959.39	4,927.66	31.74	156.270		
3,600.00	3,557.44	3,497.00	3,490.05	17.10	15.97	-35.46	-761.49	5,321.49	4,946.25	4,913.75	32.51	152.167		
3,700.00	3,656.01	3,575.52	3,568.56	17.58	16.29	-35.54	-761.81	5,322.37	4,933.61	4,900.31	33.30	148.152		
3,800.00	3,754.58	3,689.21	3,682.25	18.06	16.76	-35.67	-762.10	5,323.71	4,921.03	4,886.81	34.23	143.779		
3,900.00	3,853.15	3,777.99	3,771.02	18.54	17.12	-35.78	-762.05	5,324.73	4,908.43	4,873.37	35.06	140.018		
4,000.00	3,951.72	3,881.41	3,874.43	19.02	17.54	-35.90	-762.08	5,325.98	4,895.90	4,859.96	35.94	136.218		
4,100.00	4,050.29	3,999.61	3,992.63	19.50	18.03	-36.04	-762.04	5,327.03	4,883.07	4,846.19	36.88	132.388		
4,200.00	4,148.86	4,084.82	4,077.83	19.98	18.39	-36.13	-762.61	5,327.63	4,870.15	4,832.43	37.72	129.124		
4,300.00	4,247.43	4,231.68	4,224.67	20.46	19.02	-36.28	-764.52	5,328.45	4,857.22	4,818.43	38.79	125.231		
4,400.00	4,346.00	4,330.20	4,323.19	20.94	19.42	-36.40	-764.68	5,328.43	4,843.57	4,803.91	39.66	122.115		
4,500.00	4,444.58	4,428.58	4,421.58	21.43	19.82	-36.51	-764.72	5,328.43	4,829.95	4,789.42	40.53	119.172		
4,600.00	4,543.15	4,554.49	4,547.49	21.91	20.32	-36.67	-764.64	5,328.22	4,816.21	4,774.73	41.49	116.095		
4,700.00	4,641.72	4,668.26	4,661.25	22.39	20.77	-36.81	-764.40	5,327.37	4,801.88	4,759.49	42.39	113.272		
4,800.00	4,740.29	4,754.12	4,747.11	22.87	21.11	-36.91	-764.22	5,326.74	4,787.59	4,744.38	43.21	110.800		
4,900.00	4,838.86	4,828.00	4,820.98	23.36	21.39	-37.01	-764.00	5,326.49	4,773.69	4,729.71	43.99	108.530		
5,000.00	4,937.43	4,911.27	4,904.26	23.84	21.72	-37.11	-763.56	5,326.57	4,760.24	4,715.45	44.79	106.274		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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 Farms #22-4-3CHZ - OH - OH		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	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	5,036.00	5,033.82	5,026.80	24.32	22.20	-37.28	-762.67	5,326.61	4,746.75	4,701.02	45.73	103.798				
5,200.00	5,134.57	5,146.42	5,139.40	24.81	22.65	-37.42	-762.34	5,326.12	4,732.84	4,686.19	46.64	101.474				
5,300.00	5,233.14	5,239.21	5,232.19	25.29	23.03	-37.54	-762.42	5,325.55	4,718.79	4,671.30	47.50	99.352				
5,400.00	5,331.71	5,330.57	5,323.54	25.78	23.41	-37.64	-763.01	5,325.22	4,705.04	4,656.68	48.36	97.297				
5,500.00	5,430.28	5,443.56	5,436.53	26.26	23.89	-37.77	-764.08	5,324.68	4,691.21	4,641.91	49.30	95.161				
5,600.00	5,528.85	5,561.71	5,554.65	26.75	24.37	-37.94	-762.64	5,323.76	4,677.00	4,626.77	50.24	93.099				
5,700.00	5,627.42	5,650.60	5,643.52	27.23	24.72	-38.08	-760.38	5,323.07	4,662.77	4,611.70	51.07	91.308				
5,800.00	5,725.99	5,748.34	5,741.24	27.72	25.11	-38.23	-758.80	5,322.28	4,648.58	4,596.65	51.93	89.518				
5,900.00	5,824.56	5,840.75	5,833.65	28.20	25.48	-38.36	-758.25	5,321.67	4,634.59	4,581.81	52.78	87.808				
6,000.00	5,923.13	5,951.22	5,944.11	28.69	25.94	-38.50	-758.60	5,320.70	4,620.46	4,566.75	53.70	86.038				
6,100.00	6,021.70	6,044.29	6,037.17	29.17	26.33	-38.61	-759.30	5,319.81	4,606.28	4,551.71	54.57	84.405				
6,200.00	6,120.27	6,156.17	6,149.03	29.66	26.81	-38.74	-760.72	5,318.77	4,592.19	4,536.68	55.51	82.723				
6,238.51	6,158.23	6,171.00	6,163.87	29.84	26.87	-38.76	-760.96	5,318.59	4,586.72	4,530.94	55.78	82.230				
6,250.00	6,169.57	6,190.35	6,183.21	29.90	26.95	-43.20	-761.25	5,318.39	4,585.17	4,529.26	55.91	82.013				
6,300.00	6,219.12	6,215.54	6,208.40	30.13	27.06	-72.21	-761.50	5,318.25	4,581.14	4,524.88	56.26	81.423				
6,323.08	6,242.05	6,227.20	6,220.06	30.22	27.11	-90.11	-761.58	5,318.23	4,580.70	4,524.28	56.42	81.189 CC, ES				
6,350.00	6,268.78	6,240.78	6,233.64	30.33	27.17	-109.95	-761.63	5,318.24	4,581.30	4,524.70	56.60	80.939				
6,400.00	6,318.25	6,288.03	6,280.89	30.52	27.36	-134.79	-761.60	5,318.47	4,585.62	4,528.63	56.99	80.458				
6,450.00	6,367.22	6,450.00	6,339.52	30.69	28.04	-147.55	-761.65	5,318.42	4,593.53	4,535.70	57.84	79.423 SF				
6,500.00	6,415.39	6,378.11	6,370.97	30.86	27.74	-154.55	-761.69	5,318.42	4,605.41	4,547.71	57.70	79.811				
6,550.00	6,462.47	6,397.05	6,389.91	31.02	27.82	-158.79	-761.67	5,318.57	4,621.38	4,563.44	57.94	79.758				
6,600.00	6,508.16	6,438.00	6,430.85	31.18	27.99	-161.61	-761.54	5,319.28	4,641.42	4,583.18	58.24	79.693				
6,650.00	6,552.18	6,438.00	6,430.85	31.34	27.99	-163.47	-761.54	5,319.28	4,664.99	4,606.61	58.37	79.915				
6,700.00	6,594.26	6,438.00	6,430.85	31.51	27.99	-164.77	-761.54	5,319.28	4,692.32	4,633.83	58.49	80.229				
6,750.00	6,634.14	6,438.00	6,430.85	31.68	27.99	-165.65	-761.54	5,319.28	4,723.19	4,664.61	58.58	80.631				
6,800.00	6,671.58	6,438.00	6,430.85	31.86	27.99	-166.22	-761.54	5,319.28	4,757.33	4,698.68	58.65	81.112				
6,850.00	6,706.34	6,438.00	6,430.85	32.06	27.99	-166.51	-761.54	5,319.28	4,794.47	4,735.76	58.71	81.667				
6,900.00	6,738.21	6,438.00	6,430.85	32.27	27.99	-166.54	-761.54	5,319.28	4,834.31	4,775.56	58.75	82.287				
6,950.00	6,766.99	6,476.86	6,469.68	32.52	28.15	-166.48	-761.27	5,320.84	4,875.77	4,816.83	58.94	82.720				
7,000.00	6,792.51	6,481.38	6,474.19	32.80	28.17	-165.94	-761.22	5,321.11	4,919.89	4,860.91	58.98	83.410				
7,050.00	6,814.61	6,485.14	6,477.94	33.12	28.19	-164.92	-761.19	5,321.34	4,965.79	4,906.77	59.01	84.146				
7,100.00	6,833.15	6,488.14	6,480.93	33.48	28.20	-163.10	-761.15	5,321.53	5,013.13	4,954.09	59.03	84.918				
7,150.00	6,848.02	6,490.37	6,483.16	33.89	28.21	-159.65	-761.13	5,321.68	5,061.59	5,002.54	59.05	85.719				
7,200.00	6,859.13	6,491.85	6,484.63	34.35	28.22	-151.87	-761.11	5,321.78	5,110.87	5,051.81	59.06	86.541				
7,250.00	6,866.40	6,527.00	6,519.66	34.86	28.36	-130.22	-760.65	5,324.72	5,161.23	5,102.02	59.21	87.166				
7,300.00	6,869.79	6,527.00	6,519.66	35.40	28.36	-51.58	-760.65	5,324.72	5,211.16	5,151.95	59.22	88.002				
7,327.68	6,870.00	6,492.23	6,485.02	35.71	28.22	-24.33	-761.11	5,321.81	5,238.16	5,179.09	59.07	88.674				
7,400.00	6,868.97	6,491.11	6,483.90	36.61	28.21	-24.28	-761.12	5,321.73	5,310.18	5,251.10	59.08	89.878				
7,500.00	6,867.54	6,489.61	6,482.41	38.01	28.21	-24.20	-761.14	5,321.63	5,409.78	5,350.68	59.10	91.539				
7,600.00	6,866.12	6,488.16	6,480.95	39.58	28.20	-24.14	-761.15	5,321.53	5,509.39	5,450.27	59.11	93.199				
7,700.00	6,864.69	6,486.74	6,479.54	41.29	28.20	-24.07	-761.17	5,321.44	5,609.01	5,549.87	59.13	94.856				
7,800.00	6,863.27	6,485.37	6,478.17	43.12	28.19	-24.00	-761.18	5,321.35	5,708.64	5,649.49	59.15	96.510				
7,900.00	6,861.85	6,484.04	6,476.84	45.06	28.18	-23.94	-761.20	5,321.27	5,808.28	5,749.11	59.17	98.163				
8,000.00	6,860.42	6,482.74	6,475.55	47.10	28.18	-23.88	-761.21	5,321.19	5,907.94	5,848.75	59.19	99.812				
8,100.00	6,859.00	6,481.48	6,474.29	49.21	28.17	-23.82	-761.22	5,321.11	6,007.60	5,948.39	59.21	101.459				
8,200.00	6,857.57	6,480.25	6,473.07	51.40	28.17	-23.77	-761.24	5,321.04	6,107.27	6,048.04	59.23	103.104				
8,300.00	6,856.15	6,479.06	6,471.88	53.65	28.16	-23.71	-761.25	5,320.97	6,206.96	6,147.70	59.26	104.745				
8,400.00	6,854.72	6,477.90	6,470.72	55.96	28.16	-23.66	-761.26	5,320.90	6,306.65	6,247.37	59.28	106.384				
8,500.00	6,853.30	6,476.77	6,469.59	58.31	28.15	-23.61	-761.27	5,320.84	6,406.35	6,347.04	59.31	108.019				
8,600.00	6,851.88	6,475.67	6,468.49	60.70	28.15	-23.56	-761.28	5,320.78	6,506.05	6,446.72	59.33	109.652				
8,700.00	6,850.45	6,474.60	6,467.42	63.14	28.14	-23.51	-761.29	5,320.72	6,605.77	6,546.41	59.36	111.282				
8,800.00	6,849.03	6,438.00	6,430.85	65.60	27.99	-21.95	-761.54	5,319.28	6,706.11	6,646.86	59.26	113.174				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
8,900.00	6,847.60	6,438.00	6,430.85	68.10	27.99	-21.95	-761.54	5,319.28	6,805.81	6,746.52	59.29	114.790		
9,000.00	6,846.18	6,438.00	6,430.85	70.62	27.99	-21.95	-761.54	5,319.28	6,905.51	6,846.19	59.32	116.404		
9,100.00	6,844.75	6,438.00	6,430.85	73.17	27.99	-21.95	-761.54	5,319.28	7,005.22	6,945.86	59.36	118.014		
9,200.00	6,843.33	6,438.00	6,430.85	75.73	27.99	-21.95	-761.54	5,319.28	7,104.94	7,045.54	59.40	119.622		
9,300.00	6,841.91	6,438.00	6,430.85	78.32	27.99	-21.95	-761.54	5,319.28	7,204.67	7,145.23	59.43	121.225		
9,400.00	6,840.48	6,438.00	6,430.85	80.92	27.99	-21.95	-761.54	5,319.28	7,304.40	7,244.93	59.47	122.826		
9,500.00	6,839.06	6,438.00	6,430.85	83.54	27.99	-21.95	-761.54	5,319.28	7,404.14	7,344.63	59.51	124.423		
9,600.00	6,837.63	6,438.00	6,430.85	86.18	27.99	-21.95	-761.54	5,319.28	7,503.89	7,444.34	59.55	126.016		
9,700.00	6,836.21	6,438.00	6,430.85	88.82	27.99	-21.95	-761.54	5,319.28	7,603.64	7,544.06	59.59	127.606		
9,800.00	6,834.78	6,438.00	6,430.85	91.48	27.99	-21.95	-761.54	5,319.28	7,703.40	7,643.78	59.63	129.192		
9,900.00	6,833.36	6,438.00	6,430.85	94.15	27.99	-21.95	-761.54	5,319.28	7,803.17	7,743.50	59.67	130.774		
10,000.00	6,831.94	6,438.00	6,430.85	96.83	27.99	-21.95	-761.54	5,319.28	7,902.94	7,843.23	59.71	132.352		
10,100.00	6,830.51	6,438.00	6,430.85	99.52	27.99	-21.95	-761.54	5,319.28	8,002.72	7,942.97	59.75	133.927		
10,200.00	6,829.09	6,438.00	6,430.85	102.22	27.99	-21.95	-761.54	5,319.28	8,102.51	8,042.71	59.80	135.497		
10,300.00	6,827.66	6,438.00	6,430.85	104.92	27.99	-21.95	-761.54	5,319.28	8,202.30	8,142.45	59.84	137.064		
10,400.00	6,826.24	6,438.00	6,430.85	107.63	27.99	-21.95	-761.54	5,319.28	8,302.09	8,242.20	59.89	138.626		
10,500.00	6,824.81	6,438.00	6,430.85	110.35	27.99	-21.95	-761.54	5,319.28	8,401.89	8,341.96	59.93	140.184		
10,600.00	6,823.39	6,438.00	6,430.85	113.08	27.99	-21.95	-761.54	5,319.28	8,501.69	8,441.71	59.98	141.738		
10,700.00	6,821.96	6,438.00	6,430.85	115.81	27.99	-21.95	-761.54	5,319.28	8,601.50	8,541.47	60.03	143.288		
10,800.00	6,820.54	6,438.00	6,430.85	118.54	27.99	-21.95	-761.54	5,319.28	8,701.32	8,641.24	60.08	144.833		
10,900.00	6,819.12	6,438.00	6,430.85	121.29	27.99	-21.95	-761.54	5,319.28	8,801.13	8,741.01	60.13	146.374		
11,000.00	6,817.69	6,438.00	6,430.85	124.03	27.99	-21.95	-761.54	5,319.28	8,900.96	8,840.78	60.18	147.911		
11,100.00	6,816.27	6,438.00	6,430.85	126.78	27.99	-21.95	-761.54	5,319.28	9,000.78	8,940.55	60.23	149.443		
11,200.00	6,814.84	6,438.00	6,430.85	129.54	27.99	-21.95	-761.54	5,319.28	9,100.61	9,040.33	60.28	150.971		
11,300.00	6,813.42	6,438.00	6,430.85	132.29	27.99	-21.95	-761.54	5,319.28	9,200.44	9,140.11	60.33	152.494		
11,400.00	6,811.99	6,438.00	6,430.85	135.05	27.99	-21.95	-761.54	5,319.28	9,300.28	9,239.89	60.39	154.012		
11,500.00	6,810.57	6,438.00	6,430.85	137.82	27.99	-21.95	-761.54	5,319.28	9,400.12	9,339.68	60.44	155.526		
11,534.42	6,810.08	6,438.00	6,430.85	138.77	27.99	-21.95	-761.54	5,319.28	9,434.49	9,374.03	60.46	156.046		
11,600.00	6,809.15	6,438.00	6,430.85	140.59	27.99	2.21	-761.54	5,319.28	9,499.97	9,439.48	60.49	157.038		
11,645.35	6,808.50	6,438.00	6,430.85	141.85	27.99	19.08	-761.54	5,319.28	9,545.26	9,484.75	60.52	157.727		
11,700.00	6,807.72	6,438.00	6,430.85	143.37	27.99	19.08	-761.54	5,319.28	9,599.83	9,539.28	60.54	158.557		
11,800.00	6,806.30	6,438.00	6,430.85	146.16	27.99	19.08	-761.54	5,319.28	9,699.68	9,639.09	60.60	160.073		
11,900.00	6,804.88	6,438.00	6,430.85	148.94	27.99	19.08	-761.54	5,319.28	9,799.54	9,738.90	60.65	161.583		
12,000.00	6,803.45	6,438.00	6,430.85	151.74	27.99	19.08	-761.54	5,319.28	9,899.40	9,838.70	60.70	163.089		
12,100.00	6,802.03	6,438.00	6,430.85	154.53	27.99	19.08	-761.54	5,319.28	9,999.27	9,938.51	60.75	164.590		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	96.05	-560.09	5,286.18	5,315.82					
100.00	100.00	87.22	87.22	3.28	3.29	96.05	-560.07	5,286.10	5,315.70	5,309.13	6.57	809.050		
200.00	200.00	186.92	186.92	3.34	3.34	96.05	-559.87	5,285.94	5,315.52	5,308.84	6.68	795.789		
300.00	300.00	286.96	286.96	3.44	3.45	96.04	-559.32	5,285.80	5,315.32	5,308.42	6.90	770.573		
400.00	399.98	389.49	389.48	3.60	3.62	-34.09	-559.01	5,285.69	5,313.73	5,306.52	7.21	736.520		
500.00	499.84	506.73	506.73	3.79	3.86	-34.18	-559.22	5,285.08	5,308.88	5,301.24	7.65	694.181		
600.00	599.45	588.63	588.62	4.03	4.05	-34.31	-559.43	5,284.67	5,301.22	5,293.15	8.08	656.330		
700.00	698.70	648.00	647.99	4.30	4.21	-34.47	-558.96	5,284.72	5,291.20	5,282.70	8.50	622.343		
785.00	782.69	711.49	711.46	4.56	4.38	-34.66	-557.73	5,285.21	5,280.90	5,271.97	8.93	591.086		
800.00	797.47	720.90	720.87	4.60	4.41	-34.67	-557.48	5,285.33	5,278.96	5,269.95	9.01	585.882		
900.00	896.04	820.23	820.11	4.94	4.71	-34.82	-553.66	5,286.84	5,266.18	5,256.54	9.63	546.730		
1,000.00	994.61	910.64	910.31	5.30	5.00	-34.98	-547.64	5,288.36	5,253.34	5,243.06	10.27	511.466		
1,100.00	1,093.18	997.55	996.78	5.69	5.30	-35.17	-539.21	5,290.27	5,240.76	5,229.83	10.94	479.209		
1,200.00	1,191.75	1,092.78	1,091.30	6.08	5.64	-35.40	-527.83	5,292.68	5,228.40	5,216.74	11.67	448.174		
1,300.00	1,290.32	1,183.24	1,180.95	6.49	5.99	-35.63	-516.01	5,295.08	5,216.16	5,203.75	12.41	420.364		
1,400.00	1,388.89	1,361.83	1,357.96	6.91	6.72	-36.08	-492.53	5,298.38	5,203.14	5,189.61	13.54	384.361		
1,500.00	1,487.46	1,541.12	1,535.97	7.34	7.49	-36.51	-471.22	5,298.65	5,188.67	5,173.97	14.70	352.924		
1,600.00	1,586.03	1,621.00	1,615.32	7.77	7.83	-36.70	-462.15	5,298.26	5,173.83	5,158.36	15.47	334.455		
1,700.00	1,684.61	1,670.00	1,663.89	8.22	8.05	-36.83	-455.66	5,298.30	5,159.61	5,143.49	16.12	320.136		
1,800.00	1,783.18	1,727.87	1,721.19	8.66	8.31	-36.99	-447.57	5,298.85	5,146.26	5,129.45	16.82	306.046		
1,900.00	1,881.75	1,762.00	1,754.99	9.11	8.47	-37.08	-442.86	5,299.52	5,134.05	5,116.64	17.41	294.827		
2,000.00	1,980.32	1,827.81	1,820.08	9.57	8.78	-37.26	-433.33	5,301.43	5,122.75	5,104.58	18.16	282.029		
2,100.00	2,078.89	1,981.00	1,971.30	10.02	9.51	-37.71	-409.32	5,305.67	5,111.21	5,091.87	19.33	264.381		
2,200.00	2,177.46	2,038.00	2,027.66	10.49	9.78	-37.87	-400.89	5,307.33	5,100.00	5,079.95	20.06	254.264		
2,300.00	2,276.03	2,080.81	2,070.00	10.95	9.99	-37.99	-394.78	5,308.97	5,089.77	5,069.05	20.72	245.675		
2,400.00	2,374.60	2,400.00	2,178.36	11.41	11.53	-38.29	-379.70	5,313.50	5,080.11	5,057.41	22.70	223.788		
2,500.00	2,473.17	2,268.33	2,255.63	11.88	10.89	-38.50	-369.32	5,316.36	5,070.16	5,047.64	22.52	225.125		
2,600.00	2,571.74	2,315.00	2,301.83	12.35	11.11	-38.62	-363.14	5,318.66	5,061.37	5,038.16	23.20	218.116		
2,700.00	2,670.31	2,441.33	2,426.84	12.82	11.73	-38.97	-345.84	5,324.23	5,052.14	5,027.86	24.27	208.123		
2,800.00	2,768.88	2,499.00	2,483.80	13.29	12.02	-39.13	-337.42	5,327.46	5,044.10	5,019.08	25.02	201.597		
2,900.00	2,867.45	2,641.65	2,624.73	13.76	12.73	-39.54	-316.75	5,335.11	5,036.36	5,010.17	26.19	192.332		
3,000.00	2,966.02	2,763.86	2,745.63	14.24	13.34	-39.89	-299.58	5,340.19	5,027.38	5,000.13	27.25	184.487		
3,100.00	3,064.59	2,918.12	2,898.70	14.71	14.09	-40.29	-281.32	5,345.33	5,017.67	4,989.23	28.44	176.415		
3,200.00	3,163.16	3,118.81	3,098.94	15.19	14.96	-40.68	-269.17	5,348.93	5,006.56	4,976.81	29.75	168.272		
3,300.00	3,261.73	3,241.98	3,222.10	15.66	15.43	-40.83	-269.51	5,349.67	4,994.32	4,963.65	30.67	162.825		
3,400.00	3,360.30	3,394.60	3,374.69	16.14	15.97	-40.99	-272.33	5,349.20	4,981.14	4,949.47	31.66	157.329		
3,500.00	3,458.87	3,518.36	3,498.44	16.62	16.43	-41.14	-273.25	5,348.04	4,967.42	4,934.84	32.58	152.486		
3,600.00	3,557.44	3,615.25	3,595.32	17.10	16.81	-41.27	-273.10	5,346.50	4,953.10	4,919.68	33.42	148.218		
3,700.00	3,656.01	3,675.00	3,655.07	17.58	17.04	-41.35	-272.87	5,346.17	4,939.70	4,905.56	34.14	144.705		
3,800.00	3,754.58	3,779.80	3,759.86	18.06	17.46	-41.49	-272.32	5,345.94	4,926.79	4,891.77	35.02	140.687		
3,900.00	3,853.15	3,907.78	3,887.84	18.54	17.97	-41.66	-272.02	5,344.63	4,913.04	4,877.06	35.98	136.556		
4,000.00	3,951.72	4,000.16	3,980.22	19.02	18.33	-41.79	-271.70	5,343.58	4,899.27	4,862.45	36.82	133.076		
4,100.00	4,050.29	4,093.72	4,073.76	19.50	18.70	-41.92	-271.60	5,342.65	4,885.65	4,847.99	37.66	129.746		
4,200.00	4,148.86	4,174.67	4,154.71	19.98	19.02	-42.02	-272.02	5,342.00	4,872.23	4,833.78	38.45	126.724		
4,300.00	4,247.43	4,255.19	4,235.23	20.46	19.33	-42.12	-272.57	5,341.71	4,859.26	4,820.02	39.24	123.844		
4,400.00	4,346.00	4,338.11	4,318.15	20.94	19.65	-42.23	-272.77	5,341.65	4,846.62	4,806.58	40.04	121.054		
4,500.00	4,444.58	4,426.37	4,406.41	21.43	20.00	-42.35	-272.88	5,341.89	4,834.33	4,793.47	40.86	118.319		
4,600.00	4,543.15	4,524.44	4,504.48	21.91	20.38	-42.48	-273.02	5,342.19	4,822.12	4,780.40	41.72	115.592		
4,700.00	4,641.72	4,596.86	4,576.90	22.39	20.67	-42.58	-272.99	5,342.52	4,810.11	4,767.62	42.49	113.204		
4,800.00	4,740.29	4,656.00	4,636.03	22.87	20.91	-42.66	-272.48	5,343.32	4,798.97	4,755.75	43.22	111.036		
4,900.00	4,838.86	4,740.00	4,720.00	23.36	21.26	-42.80	-270.91	5,344.90	4,788.45	4,744.40	44.05	108.706		
5,000.00	4,937.43	4,868.35	4,848.29	23.84	21.81	-43.02	-267.24	5,346.62	4,777.43	4,732.37	45.05	106.036		

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 34N-6A-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 34N-6A-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	5,036.00	5,030.50	5,010.40	24.32	22.46	-43.23	-268.72	5,348.54	4,766.45	4,720.30	46.14	103.296		
5,200.00	5,134.57	5,158.63	5,138.49	24.81	22.95	-43.37	-271.78	5,348.31	4,753.79	4,706.70	47.10	100.939		
5,300.00	5,233.14	5,268.69	5,248.52	25.29	23.38	-43.50	-273.93	5,347.64	4,740.77	4,692.78	47.99	98.782		
5,400.00	5,331.71	5,388.74	5,368.54	25.78	23.86	-43.64	-276.08	5,346.47	4,727.41	4,678.48	48.92	96.627		
5,500.00	5,430.28	5,483.58	5,463.37	26.26	24.24	-43.76	-277.19	5,345.35	4,713.90	4,664.12	49.78	94.695		
5,600.00	5,528.85	5,548.00	5,527.79	26.75	24.50	-43.85	-277.93	5,344.66	4,700.64	4,650.10	50.54	93.014		
5,700.00	5,627.42	5,617.12	5,596.89	27.23	24.77	-43.93	-279.17	5,344.42	4,688.06	4,636.75	51.31	91.374		
5,800.00	5,725.99	5,699.82	5,679.56	27.72	25.10	-44.02	-281.42	5,344.95	4,676.29	4,624.17	52.12	89.724		
5,900.00	5,824.56	5,844.46	5,824.13	28.20	25.67	-44.18	-285.76	5,345.34	4,664.23	4,611.09	53.14	87.778		
6,000.00	5,923.13	6,007.50	5,987.12	28.69	26.33	-44.37	-289.55	5,343.72	4,650.96	4,596.75	54.21	85.790		
6,100.00	6,021.70	6,097.74	6,077.33	29.17	26.69	-44.49	-290.96	5,342.19	4,637.05	4,581.99	55.06	84.213		
6,200.00	6,120.27	6,161.58	6,141.16	29.66	26.95	-44.58	-291.61	5,341.39	4,623.63	4,567.80	55.83	82.817		
6,238.51	6,158.23	6,215.98	6,195.56	29.84	27.18	-44.65	-291.93	5,340.85	4,618.60	4,562.38	56.22	82.149		
6,250.00	6,169.57	6,239.96	6,219.54	29.90	27.28	-49.09	-292.18	5,340.52	4,617.15	4,560.79	56.36	81.917		
6,300.00	6,219.12	6,262.00	6,241.57	30.13	27.37	-78.06	-292.48	5,340.17	4,613.24	4,556.53	56.71	81.353		
6,322.70	6,241.67	6,290.96	6,270.53	30.22	27.48	-95.68	-292.87	5,339.76	4,612.73	4,555.81	56.92	81.045 CC, ES		
6,350.00	6,268.78	6,303.71	6,283.27	30.33	27.54	-115.82	-293.02	5,339.65	4,613.35	4,556.26	57.10	80.801		
6,400.00	6,318.25	6,326.95	6,306.51	30.52	27.63	-140.66	-293.27	5,339.55	4,617.75	4,560.35	57.40	80.447		
6,450.00	6,367.22	6,351.00	6,330.56	30.69	27.73	-153.43	-293.47	5,339.57	4,626.33	4,568.64	57.69	80.195		
6,500.00	6,415.39	6,379.67	6,359.24	30.86	27.85	-160.54	-293.67	5,339.74	4,638.97	4,581.00	57.97	80.019		
6,550.00	6,462.47	6,409.01	6,388.57	31.02	27.97	-164.95	-293.84	5,340.02	4,655.55	4,597.31	58.24	79.932		
6,600.00	6,508.16	6,441.00	6,420.56	31.18	28.10	-167.94	-293.97	5,340.45	4,675.95	4,617.44	58.51	79.920 SF		
6,650.00	6,552.18	6,441.00	6,420.56	31.34	28.10	-170.08	-293.97	5,340.45	4,700.12	4,641.48	58.64	80.154		
6,700.00	6,594.26	6,441.00	6,420.56	31.51	28.10	-171.73	-293.97	5,340.45	4,728.01	4,669.26	58.75	80.480		
6,750.00	6,634.14	6,441.00	6,420.56	31.68	28.10	-173.06	-293.97	5,340.45	4,759.40	4,700.56	58.84	80.890		
6,800.00	6,671.58	6,479.72	6,459.26	31.86	28.26	-174.24	-293.96	5,341.51	4,793.40	4,734.33	59.07	81.151		
6,850.00	6,706.34	6,487.94	6,467.47	32.06	28.30	-175.28	-293.93	5,341.85	4,830.69	4,771.53	59.16	81.654		
6,900.00	6,738.21	6,495.33	6,474.85	32.27	28.33	-176.29	-293.89	5,342.20	4,870.61	4,811.38	59.24	82.222		
6,950.00	6,766.99	6,530.00	6,509.46	32.52	28.47	-177.36	-293.57	5,344.27	4,913.22	4,853.81	59.42	82.693		
7,000.00	6,792.51	6,530.00	6,509.46	32.80	28.47	-178.53	-293.57	5,344.27	4,957.42	4,897.98	59.44	83.402		
7,050.00	6,814.61	6,530.00	6,509.46	33.12	28.47	179.98	-293.57	5,344.27	5,003.40	4,943.94	59.46	84.153		
7,100.00	6,833.15	6,530.00	6,509.46	33.48	28.47	177.86	-293.57	5,344.27	5,050.81	4,991.35	59.46	84.939		
7,150.00	6,848.02	6,530.00	6,509.46	33.89	28.47	174.28	-293.57	5,344.27	5,099.35	5,039.88	59.47	85.750		
7,200.00	6,859.13	6,530.00	6,509.46	34.35	28.47	166.49	-293.57	5,344.27	5,148.67	5,089.20	59.47	86.578		
7,250.00	6,866.40	6,530.00	6,509.46	34.86	28.47	138.38	-293.57	5,344.27	5,198.46	5,138.99	59.47	87.414		
7,300.00	6,869.79	6,530.00	6,509.46	35.40	28.47	52.67	-293.57	5,344.27	5,248.40	5,188.93	59.47	88.250		
7,327.68	6,870.00	6,530.00	6,509.46	35.71	28.47	33.15	-293.57	5,344.27	5,276.01	5,216.53	59.47	88.710		
7,400.00	6,868.97	6,530.00	6,509.46	36.61	28.47	33.15	-293.57	5,344.27	5,348.01	5,288.53	59.48	89.906		
7,500.00	6,867.54	6,530.00	6,509.46	38.01	28.47	33.15	-293.57	5,344.27	5,447.59	5,388.09	59.50	91.557		
7,600.00	6,866.12	6,530.00	6,509.46	39.58	28.47	33.15	-293.57	5,344.27	5,547.19	5,487.68	59.52	93.205		
7,700.00	6,864.69	6,530.00	6,509.46	41.29	28.47	33.15	-293.57	5,344.27	5,646.80	5,587.27	59.53	94.851		
7,800.00	6,863.27	6,530.00	6,509.46	43.12	28.47	33.15	-293.57	5,344.27	5,746.43	5,686.88	59.55	96.494		
7,900.00	6,861.85	6,530.00	6,509.46	45.06	28.47	33.15	-293.57	5,344.27	5,846.07	5,786.50	59.57	98.135		
8,000.00	6,860.42	6,530.00	6,509.46	47.10	28.47	33.15	-293.57	5,344.27	5,945.72	5,886.13	59.59	99.773		
8,100.00	6,859.00	6,530.00	6,509.46	49.21	28.47	33.15	-293.57	5,344.27	6,045.38	5,985.77	59.61	101.408		
8,200.00	6,857.57	6,530.00	6,509.46	51.40	28.47	33.15	-293.57	5,344.27	6,145.05	6,085.42	59.64	103.040		
8,300.00	6,856.15	6,530.00	6,509.46	53.65	28.47	33.15	-293.57	5,344.27	6,244.74	6,185.08	59.66	104.670		
8,400.00	6,854.72	6,530.00	6,509.46	55.96	28.47	33.15	-293.57	5,344.27	6,344.43	6,284.74	59.69	106.297		
8,500.00	6,853.30	6,530.00	6,509.46	58.31	28.47	33.15	-293.57	5,344.27	6,444.13	6,384.42	59.71	107.920		
8,600.00	6,851.88	6,530.00	6,509.46	60.70	28.47	33.15	-293.57	5,344.27	6,543.84	6,484.11	59.74	109.541		
8,700.00	6,850.45	6,530.00	6,509.46	63.14	28.47	33.15	-293.57	5,344.27	6,643.57	6,583.80	59.77	111.158		
8,800.00	6,849.03	6,530.00	6,509.46	65.60	28.47	33.15	-293.57	5,344.27	6,743.29	6,683.50	59.80	112.772		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,530.00	6,509.46	68.10	28.47	33.15	-293.57	5,344.27	6,843.03	6,783.21	59.83	114.383		
9,000.00	6,846.18	6,530.00	6,509.46	70.62	28.47	33.15	-293.57	5,344.27	6,942.77	6,882.92	59.86	115.991		
9,100.00	6,844.75	6,495.26	6,474.79	73.17	28.33	31.05	-293.89	5,342.19	7,042.06	6,982.30	59.76	117.840		
9,200.00	6,843.33	6,494.11	6,473.63	75.73	28.32	30.98	-293.90	5,342.14	7,141.79	7,082.00	59.79	119.450		
9,300.00	6,841.91	6,492.98	6,472.51	78.32	28.32	30.92	-293.90	5,342.08	7,241.52	7,181.70	59.82	121.057		
9,400.00	6,840.48	6,491.88	6,471.41	80.92	28.31	30.86	-293.91	5,342.03	7,341.27	7,281.41	59.85	122.660		
9,500.00	6,839.06	6,490.80	6,470.33	83.54	28.31	30.80	-293.92	5,341.98	7,441.01	7,381.13	59.88	124.259		
9,600.00	6,837.63	6,489.75	6,469.28	86.18	28.30	30.74	-293.92	5,341.93	7,540.77	7,480.85	59.92	125.854		
9,700.00	6,836.21	6,488.72	6,468.25	88.82	28.30	30.68	-293.93	5,341.89	7,640.52	7,580.57	59.95	127.446		
9,800.00	6,834.78	6,487.71	6,467.24	91.48	28.29	30.62	-293.93	5,341.84	7,740.29	7,680.30	59.99	129.033		
9,900.00	6,833.36	6,486.72	6,466.26	94.15	28.29	30.57	-293.94	5,341.80	7,840.06	7,780.03	60.02	130.617		
10,000.00	6,831.94	6,485.75	6,465.29	96.83	28.29	30.52	-293.94	5,341.76	7,939.83	7,879.77	60.06	132.196		
10,100.00	6,830.51	6,484.80	6,464.34	99.52	28.28	30.46	-293.94	5,341.72	8,039.61	7,979.51	60.10	133.771		
10,200.00	6,829.09	6,483.88	6,463.42	102.22	28.28	30.41	-293.95	5,341.68	8,139.40	8,079.26	60.14	135.343		
10,300.00	6,827.66	6,482.97	6,462.51	104.92	28.27	30.36	-293.95	5,341.64	8,239.19	8,179.01	60.18	136.910		
10,400.00	6,826.24	6,482.08	6,461.62	107.63	28.27	30.31	-293.96	5,341.60	8,338.98	8,278.76	60.22	138.473		
10,500.00	6,824.81	6,481.20	6,460.74	110.35	28.27	30.27	-293.96	5,341.57	8,438.78	8,378.51	60.26	140.031		
10,600.00	6,823.39	6,480.34	6,459.89	113.08	28.26	30.22	-293.96	5,341.53	8,538.58	8,478.27	60.31	141.585		
10,700.00	6,821.96	6,479.50	6,459.05	115.81	28.26	30.18	-293.97	5,341.50	8,638.38	8,578.03	60.35	143.135		
10,800.00	6,820.54	6,478.68	6,458.22	118.54	28.26	30.13	-293.97	5,341.47	8,738.19	8,677.80	60.40	144.680		
10,900.00	6,819.12	6,477.87	6,457.42	121.29	28.25	30.09	-293.97	5,341.44	8,838.01	8,777.56	60.44	146.221		
11,000.00	6,817.69	6,441.00	6,420.56	124.03	28.10	28.23	-293.97	5,340.45	8,938.31	8,877.94	60.37	148.056		
11,100.00	6,816.27	6,441.00	6,420.56	126.78	28.10	28.23	-293.97	5,340.45	9,038.11	8,977.68	60.42	149.582		
11,200.00	6,814.84	6,441.00	6,420.56	129.54	28.10	28.23	-293.97	5,340.45	9,137.91	9,077.44	60.47	151.104		
11,300.00	6,813.42	6,441.00	6,420.56	132.29	28.10	28.23	-293.97	5,340.45	9,237.72	9,177.19	60.53	152.620		
11,400.00	6,811.99	6,441.00	6,420.56	135.05	28.10	28.23	-293.97	5,340.45	9,337.53	9,276.95	60.58	154.133		
11,500.00	6,810.57	6,441.00	6,420.56	137.82	28.10	28.23	-293.97	5,340.45	9,437.35	9,376.71	60.64	155.640		
11,534.42	6,810.08	6,441.00	6,420.56	138.77	28.10	28.23	-293.97	5,340.45	9,471.71	9,411.05	60.65	156.158		
11,600.00	6,809.15	6,441.00	6,420.56	140.59	28.10	44.15	-293.97	5,340.45	9,537.14	9,476.45	60.69	157.140		
11,645.35	6,808.50	6,441.00	6,420.56	141.85	28.10	51.84	-293.97	5,340.45	9,582.35	9,521.63	60.72	157.815		
11,700.00	6,807.72	6,441.00	6,420.56	143.37	28.10	51.84	-293.97	5,340.45	9,636.80	9,576.05	60.75	158.624		
11,800.00	6,806.30	6,441.00	6,420.56	146.16	28.10	51.84	-293.97	5,340.45	9,736.45	9,675.64	60.82	160.099		
11,900.00	6,804.88	6,441.00	6,420.56	148.94	28.10	51.84	-293.97	5,340.45	9,836.11	9,775.23	60.88	161.569		
12,000.00	6,803.45	6,441.00	6,420.56	151.74	28.10	51.84	-293.97	5,340.45	9,935.77	9,874.83	60.94	163.034		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	96.18	-568.11	5,246.93	5,277.65					
100.00	100.00	131.18	131.18	3.28	3.29	96.18	-568.42	5,246.22	5,277.20	5,270.63	6.58	802.269		
200.00	200.00	228.68	228.67	3.34	3.34	96.19	-568.74	5,245.03	5,276.03	5,269.35	6.68	790.388		
300.00	300.00	296.42	296.40	3.44	3.40	96.18	-568.07	5,244.61	5,275.33	5,268.48	6.85	770.274		
400.00	399.98	364.00	363.96	3.60	3.49	-33.96	-566.41	5,244.82	5,273.89	5,266.80	7.09	743.946		
500.00	499.84	431.41	431.30	3.79	3.60	-34.06	-563.52	5,245.57	5,270.17	5,262.77	7.39	712.850		
600.00	599.45	510.05	509.77	4.03	3.76	-34.22	-558.57	5,246.95	5,264.02	5,256.24	7.78	676.232		
700.00	698.70	609.61	609.03	4.30	4.00	-34.48	-551.10	5,249.08	5,255.29	5,247.00	8.29	633.733		
785.00	782.69	688.60	687.74	4.56	4.21	-34.74	-544.64	5,250.71	5,245.54	5,236.77	8.77	598.437		
800.00	797.47	700.06	699.15	4.60	4.24	-34.76	-543.65	5,250.97	5,243.66	5,234.82	8.85	592.654		
900.00	896.04	787.24	785.95	4.94	4.51	-34.94	-535.70	5,253.14	5,231.37	5,221.93	9.44	554.153		
1,000.00	994.61	896.58	894.65	5.30	4.88	-35.19	-524.30	5,255.97	5,219.12	5,208.96	10.16	513.878		
1,100.00	1,093.18	1,004.83	1,002.09	5.69	5.28	-35.45	-511.39	5,258.60	5,206.67	5,195.75	10.92	476.818		
1,200.00	1,191.75	1,147.25	1,143.40	6.08	5.84	-35.80	-493.90	5,261.48	5,193.94	5,182.08	11.86	437.957		
1,300.00	1,290.32	1,238.00	1,233.39	6.49	6.22	-36.03	-482.21	5,262.65	5,180.52	5,167.89	12.63	410.214		
1,400.00	1,388.89	1,324.72	1,319.36	6.91	6.59	-36.25	-470.99	5,264.26	5,167.71	5,154.31	13.40	385.571		
1,500.00	1,487.46	1,688.22	1,680.21	7.34	8.17	-37.13	-428.10	5,260.39	5,151.65	5,136.28	15.37	335.152		
1,600.00	1,586.03	1,761.00	1,752.58	7.77	8.49	-37.29	-420.84	5,257.81	5,134.08	5,117.97	16.11	318.731		
1,700.00	1,684.61	1,801.69	1,793.06	8.22	8.67	-37.39	-416.79	5,256.68	5,117.40	5,100.68	16.72	306.085		
1,800.00	1,783.18	1,853.00	1,844.13	8.66	8.89	-37.50	-411.97	5,256.14	5,102.13	5,084.75	17.38	293.540		
1,900.00	1,881.75	1,884.06	1,875.05	9.11	9.03	-37.57	-409.03	5,256.16	5,087.89	5,069.92	17.97	283.201		
2,000.00	1,980.32	1,965.99	1,956.50	9.57	9.40	-37.77	-400.15	5,256.57	5,074.42	5,055.65	18.78	270.261		
2,100.00	2,078.89	2,171.74	2,160.97	10.02	10.35	-38.26	-377.52	5,254.18	5,058.76	5,038.62	20.14	251.176		
2,200.00	2,177.46	2,222.00	2,210.88	10.49	10.58	-38.39	-371.61	5,253.89	5,044.16	5,023.33	20.83	242.160		
2,300.00	2,276.03	2,337.36	2,325.56	10.95	11.11	-38.67	-359.14	5,253.41	5,030.16	5,008.36	21.81	230.657		
2,400.00	2,374.60	2,448.97	2,436.44	11.41	11.63	-38.95	-346.57	5,251.98	5,015.32	4,992.55	22.77	220.219		
2,500.00	2,473.17	2,522.47	2,509.51	11.88	11.98	-39.13	-338.63	5,251.04	5,000.62	4,977.05	23.58	212.095		
2,600.00	2,571.74	2,590.00	2,576.61	12.35	12.30	-39.30	-331.03	5,250.84	4,986.84	4,962.48	24.36	204.742		
2,700.00	2,670.31	2,688.32	2,674.23	12.82	12.76	-39.56	-319.38	5,250.84	4,973.51	4,948.22	25.28	196.721		
2,800.00	2,768.88	2,826.58	2,811.50	13.29	13.43	-39.92	-302.89	5,249.81	4,959.56	4,933.17	26.39	187.930		
2,900.00	2,867.45	2,954.72	2,938.83	13.76	14.03	-40.25	-288.62	5,247.85	4,944.94	4,917.50	27.45	180.160		
3,000.00	2,966.02	3,015.43	2,999.17	14.24	14.32	-40.40	-281.96	5,246.94	4,930.48	4,902.27	28.21	174.777		
3,100.00	3,064.59	3,097.85	3,081.01	14.71	14.72	-40.62	-272.23	5,246.29	4,916.76	4,887.69	29.07	169.125		
3,200.00	3,163.16	3,165.13	3,147.87	15.19	15.04	-40.79	-264.81	5,245.79	4,903.27	4,873.41	29.87	164.169		
3,300.00	3,261.73	3,226.00	3,208.34	15.66	15.33	-40.96	-257.79	5,246.13	4,890.94	4,860.30	30.63	159.654		
3,400.00	3,360.30	3,316.00	3,297.77	16.14	15.76	-41.19	-247.72	5,247.03	4,879.24	4,847.71	31.53	154.733		
3,500.00	3,458.87	3,421.36	3,402.62	16.62	16.25	-41.45	-237.34	5,247.55	4,867.14	4,834.65	32.49	149.795		
3,600.00	3,557.44	3,483.17	3,464.12	17.10	16.54	-41.60	-231.27	5,248.09	4,855.51	4,822.25	33.26	145.991		
3,700.00	3,656.01	3,619.07	3,599.23	17.58	17.19	-41.96	-216.68	5,249.39	4,844.13	4,809.77	34.36	140.970		
3,800.00	3,754.58	3,699.59	3,679.35	18.06	17.57	-42.16	-208.70	5,249.56	4,832.11	4,796.89	35.22	137.201		
3,900.00	3,853.15	3,736.12	3,715.67	18.54	17.74	-42.25	-204.85	5,250.07	4,821.28	4,785.40	35.88	134.376		
4,000.00	3,951.72	3,790.23	3,769.40	19.02	18.00	-42.40	-198.60	5,251.50	4,811.71	4,775.09	36.62	131.400		
4,100.00	4,050.29	3,906.61	3,884.87	19.50	18.57	-42.72	-184.42	5,254.69	4,802.48	4,764.82	37.66	127.533		
4,200.00	4,148.86	4,042.23	4,019.38	19.98	19.24	-43.11	-167.32	5,257.41	4,792.65	4,753.86	38.79	123.559		
4,300.00	4,247.43	4,192.63	4,168.97	20.46	19.96	-43.50	-151.82	5,259.07	4,781.90	4,741.94	39.96	119.661		
4,400.00	4,346.00	4,272.36	4,248.29	20.94	20.33	-43.71	-143.75	5,259.64	4,770.92	4,730.10	40.82	116.880		
4,500.00	4,444.58	4,332.84	4,308.43	21.43	20.62	-43.87	-137.50	5,260.41	4,760.60	4,719.01	41.59	114.459		
4,600.00	4,543.15	4,393.59	4,368.80	21.91	20.91	-44.03	-130.86	5,261.74	4,751.24	4,708.87	42.37	112.147		
4,700.00	4,641.72	4,614.01	4,588.36	22.39	21.94	-44.58	-111.66	5,264.28	4,740.66	4,696.84	43.82	108.177		
4,800.00	4,740.29	4,730.90	4,704.88	22.87	22.47	-44.86	-102.32	5,263.96	4,728.90	4,684.07	44.82	105.503		
4,900.00	4,838.86	4,785.24	4,759.06	23.36	22.72	-44.99	-98.27	5,263.99	4,717.56	4,671.99	45.57	103.533		
5,000.00	4,937.43	4,835.66	4,809.27	23.84	22.95	-45.11	-93.80	5,264.51	4,707.31	4,661.02	46.29	101.690		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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 Farms #A-4-3NHZ - OH - OH											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	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	5,036.00	4,959.20	4,932.27	24.32	23.53	-45.43	-82.25	5,265.91	4,697.30	4,649.96	47.34	99.230		
5,200.00	5,134.57	5,285.13	5,257.67	24.81	24.91	-46.09	-68.24	5,261.49	4,683.90	4,634.85	49.05	95.492		
5,300.00	5,233.14	5,367.03	5,339.53	25.29	25.22	-46.22	-67.91	5,259.04	4,669.20	4,619.35	49.85	93.658		
5,400.00	5,331.71	5,457.00	5,429.46	25.78	25.57	-46.36	-67.70	5,256.46	4,654.66	4,603.98	50.68	91.843		
5,500.00	5,430.28	5,530.55	5,502.99	26.26	25.85	-46.48	-67.71	5,254.63	4,640.52	4,589.06	51.46	90.183		
5,600.00	5,528.85	5,609.76	5,582.19	26.75	26.15	-46.59	-68.12	5,253.23	4,627.02	4,574.78	52.25	88.561		
5,700.00	5,627.42	5,703.43	5,675.85	27.23	26.50	-46.73	-68.51	5,251.80	4,613.81	4,560.73	53.08	86.920		
5,800.00	5,725.99	5,831.67	5,804.06	27.72	26.99	-46.93	-69.03	5,249.51	4,600.39	4,546.37	54.02	85.159		
5,900.00	5,824.56	5,939.70	5,912.06	28.20	27.40	-47.09	-70.08	5,247.06	4,586.45	4,531.55	54.90	83.547		
6,000.00	5,923.13	5,992.00	5,964.34	28.69	27.59	-47.16	-70.92	5,245.91	4,572.75	4,517.14	55.61	82.231		
6,100.00	6,021.70	6,048.27	6,020.60	29.17	27.81	-47.24	-71.51	5,245.19	4,560.02	4,503.68	56.34	80.943		
6,200.00	6,120.27	6,082.00	6,054.33	29.66	27.94	-47.30	-71.44	5,245.21	4,548.67	4,491.69	56.99	79.821		
6,238.51	6,158.23	6,105.97	6,078.30	29.84	28.03	-47.33	-71.32	5,245.42	4,544.62	4,487.35	57.27	79.352		
6,250.00	6,169.57	6,111.15	6,083.48	29.90	28.06	-51.75	-71.30	5,245.49	4,543.56	4,486.21	57.35	79.226		
6,299.44	6,218.56	6,133.53	6,105.85	30.12	28.14	-80.30	-71.29	5,245.86	4,541.50	4,483.82	57.68	78.740 CC		
6,300.00	6,219.12	6,133.78	6,106.11	30.13	28.14	-80.72	-71.29	5,245.87	4,541.50	4,483.82	57.68	78.735 ES		
6,350.00	6,268.78	6,171.00	6,143.31	30.33	28.29	-118.49	-71.44	5,246.81	4,543.70	4,485.66	58.04	78.281		
6,400.00	6,318.25	6,198.86	6,171.16	30.52	28.40	-143.37	-71.61	5,247.63	4,549.96	4,491.61	58.35	77.980		
6,450.00	6,367.22	6,276.61	6,248.89	30.69	28.70	-156.25	-71.83	5,249.55	4,559.94	4,501.14	58.81	77.543 SF		
6,500.00	6,415.39	6,260.00	6,232.28	30.86	28.63	-163.37	-71.81	5,249.18	4,574.01	4,515.10	58.92	77.636		
6,550.00	6,462.47	6,260.00	6,232.28	31.02	28.63	-167.84	-71.81	5,249.18	4,592.25	4,533.19	59.06	77.751		
6,600.00	6,508.16	6,260.00	6,232.28	31.18	28.63	-170.93	-71.81	5,249.18	4,614.52	4,555.33	59.19	77.962		
6,650.00	6,552.18	6,260.00	6,232.28	31.34	28.63	-173.23	-71.81	5,249.18	4,640.61	4,581.32	59.29	78.264		
6,700.00	6,594.26	6,260.00	6,232.28	31.51	28.63	-175.08	-71.81	5,249.18	4,670.31	4,610.93	59.38	78.650		
6,750.00	6,634.14	6,260.00	6,232.28	31.68	28.63	-176.67	-71.81	5,249.18	4,703.37	4,643.92	59.45	79.114		
6,800.00	6,671.58	6,260.00	6,232.28	31.86	28.63	-178.14	-71.81	5,249.18	4,739.51	4,680.01	59.50	79.651		
6,850.00	6,706.34	6,260.00	6,232.28	32.06	28.63	-179.61	-71.81	5,249.18	4,778.45	4,718.91	59.54	80.252		
6,900.00	6,738.21	6,260.00	6,232.28	32.27	28.63	-178.81	-71.81	5,249.18	4,819.88	4,760.31	59.57	80.911		
6,950.00	6,766.99	6,260.00	6,232.28	32.52	28.63	-176.97	-71.81	5,249.18	4,863.48	4,803.89	59.59	81.619		
7,000.00	6,792.51	6,301.17	6,273.36	32.80	28.79	-174.72	-72.01	5,251.77	4,907.13	4,847.35	59.78	82.084		
7,050.00	6,814.61	6,302.83	6,275.01	33.12	28.80	-171.49	-72.02	5,251.94	4,953.97	4,894.17	59.79	82.850		
7,100.00	6,833.15	6,304.11	6,276.28	33.48	28.80	-166.40	-72.03	5,252.08	5,002.02	4,942.22	59.80	83.643		
7,150.00	6,848.02	6,305.01	6,277.17	33.89	28.80	-156.98	-72.04	5,252.18	5,050.98	4,991.18	59.81	84.455		
7,200.00	6,859.13	6,305.53	6,277.70	34.35	28.81	-135.39	-72.04	5,252.24	5,100.52	5,040.71	59.81	85.279		
7,250.00	6,866.40	6,305.69	6,277.85	34.86	28.81	-87.62	-72.04	5,252.26	5,150.33	5,090.51	59.81	86.106		
7,300.00	6,869.79	6,305.49	6,277.66	35.40	28.81	-48.11	-72.04	5,252.23	5,200.08	5,140.26	59.82	86.927		
7,327.68	6,870.00	6,305.23	6,277.40	35.71	28.81	-37.50	-72.04	5,252.20	5,227.50	5,167.68	59.83	87.378		
7,400.00	6,868.97	6,304.43	6,276.60	36.61	28.80	-37.47	-72.03	5,252.12	5,298.95	5,239.11	59.85	88.543		
7,500.00	6,867.54	6,303.35	6,275.52	38.01	28.80	-37.42	-72.02	5,252.00	5,397.80	5,337.92	59.88	90.150		
7,600.00	6,866.12	6,302.30	6,274.48	39.58	28.79	-37.38	-72.02	5,251.89	5,496.68	5,436.77	59.91	91.753		
7,700.00	6,864.69	6,301.29	6,273.48	41.29	28.79	-37.33	-72.01	5,251.78	5,595.60	5,535.65	59.94	93.353		
7,800.00	6,863.27	6,300.31	6,272.50	43.12	28.79	-37.29	-72.00	5,251.68	5,694.55	5,634.57	59.98	94.948		
7,900.00	6,861.85	6,260.00	6,232.28	45.06	28.63	-35.66	-71.81	5,249.18	5,795.16	5,735.31	59.85	96.831		
8,000.00	6,860.42	6,260.00	6,232.28	47.10	28.63	-35.66	-71.81	5,249.18	5,894.11	5,834.21	59.89	98.412		
8,100.00	6,859.00	6,260.00	6,232.28	49.21	28.63	-35.66	-71.81	5,249.18	5,993.08	5,933.15	59.94	99.989		
8,200.00	6,857.57	6,260.00	6,232.28	51.40	28.63	-35.66	-71.81	5,249.18	6,092.10	6,032.11	59.98	101.563		
8,300.00	6,856.15	6,260.00	6,232.28	53.65	28.63	-35.66	-71.81	5,249.18	6,191.14	6,131.11	60.03	103.133		
8,400.00	6,854.72	6,260.00	6,232.28	55.96	28.63	-35.66	-71.81	5,249.18	6,290.21	6,230.14	60.08	104.700		
8,500.00	6,853.30	6,260.00	6,232.28	58.31	28.63	-35.66	-71.81	5,249.18	6,389.32	6,329.19	60.13	106.263		
8,600.00	6,851.88	6,260.00	6,232.28	60.70	28.63	-35.66	-71.81	5,249.18	6,488.45	6,428.27	60.18	107.823		
8,700.00	6,850.45	6,260.00	6,232.28	63.14	28.63	-35.66	-71.81	5,249.18	6,587.61	6,527.38	60.23	109.379		
8,800.00	6,849.03	6,260.00	6,232.28	65.60	28.63	-35.66	-71.81	5,249.18	6,686.79	6,626.51	60.28	110.931		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,260.00	6,232.28	68.10	28.63	35.66	-71.81	5,249.18	6,785.99	6,725.66	60.33	112.480		
9,000.00	6,846.18	6,260.00	6,232.28	70.62	28.63	35.66	-71.81	5,249.18	6,885.22	6,824.84	60.38	114.025		
9,100.00	6,844.75	6,260.00	6,232.28	73.17	28.63	35.66	-71.81	5,249.18	6,984.47	6,924.04	60.44	115.567		
9,200.00	6,843.33	6,260.00	6,232.28	75.73	28.63	35.66	-71.81	5,249.18	7,083.75	7,023.26	60.49	117.105		
9,300.00	6,841.91	6,260.00	6,232.28	78.32	28.63	35.66	-71.81	5,249.18	7,183.04	7,122.49	60.55	118.639		
9,400.00	6,840.48	6,260.00	6,232.28	80.92	28.63	35.66	-71.81	5,249.18	7,282.35	7,221.75	60.60	120.169		
9,500.00	6,839.06	6,260.00	6,232.28	83.54	28.63	35.66	-71.81	5,249.18	7,381.68	7,321.02	60.66	121.696		
9,600.00	6,837.63	6,260.00	6,232.28	86.18	28.63	35.66	-71.81	5,249.18	7,481.03	7,420.31	60.71	123.219		
9,700.00	6,836.21	6,260.00	6,232.28	88.82	28.63	35.66	-71.81	5,249.18	7,580.39	7,519.62	60.77	124.738		
9,800.00	6,834.78	6,260.00	6,232.28	91.48	28.63	35.66	-71.81	5,249.18	7,679.78	7,618.95	60.83	126.253		
9,900.00	6,833.36	6,260.00	6,232.28	94.15	28.63	35.66	-71.81	5,249.18	7,779.17	7,718.29	60.89	127.765		
10,000.00	6,831.94	6,260.00	6,232.28	96.83	28.63	35.66	-71.81	5,249.18	7,878.59	7,817.64	60.95	129.272		
10,100.00	6,830.51	6,260.00	6,232.28	99.52	28.63	35.66	-71.81	5,249.18	7,978.01	7,917.01	61.01	130.776		
10,200.00	6,829.09	6,260.00	6,232.28	102.22	28.63	35.66	-71.81	5,249.18	8,077.45	8,016.39	61.07	132.275		
10,300.00	6,827.66	6,260.00	6,232.28	104.92	28.63	35.66	-71.81	5,249.18	8,176.91	8,115.78	61.13	133.771		
10,400.00	6,826.24	6,260.00	6,232.28	107.63	28.63	35.66	-71.81	5,249.18	8,276.38	8,215.19	61.19	135.262		
10,500.00	6,824.81	6,260.00	6,232.28	110.35	28.63	35.66	-71.81	5,249.18	8,375.86	8,314.61	61.25	136.750		
10,600.00	6,823.39	6,260.00	6,232.28	113.08	28.63	35.66	-71.81	5,249.18	8,475.35	8,414.04	61.31	138.233		
10,700.00	6,821.96	6,260.00	6,232.28	115.81	28.63	35.66	-71.81	5,249.18	8,574.86	8,513.48	61.38	139.712		
10,800.00	6,820.54	6,260.00	6,232.28	118.54	28.63	35.66	-71.81	5,249.18	8,674.37	8,612.94	61.44	141.187		
10,900.00	6,819.12	6,260.00	6,232.28	121.29	28.63	35.66	-71.81	5,249.18	8,773.90	8,712.40	61.50	142.658		
11,000.00	6,817.69	6,260.00	6,232.28	124.03	28.63	35.66	-71.81	5,249.18	8,873.44	8,811.87	61.57	144.125		
11,100.00	6,816.27	6,260.00	6,232.28	126.78	28.63	35.66	-71.81	5,249.18	8,972.99	8,911.35	61.63	145.587		
11,200.00	6,814.84	6,260.00	6,232.28	129.54	28.63	35.66	-71.81	5,249.18	9,072.55	9,010.85	61.70	147.045		
11,300.00	6,813.42	6,260.00	6,232.28	132.29	28.63	35.66	-71.81	5,249.18	9,172.11	9,110.35	61.77	148.499		
11,400.00	6,811.99	6,260.00	6,232.28	135.05	28.63	35.66	-71.81	5,249.18	9,271.69	9,209.86	61.83	149.948		
11,500.00	6,810.57	6,260.00	6,232.28	137.82	28.63	35.66	-71.81	5,249.18	9,371.28	9,309.38	61.90	151.393		
11,534.42	6,810.08	6,260.00	6,232.28	138.77	28.63	35.66	-71.81	5,249.18	9,405.56	9,343.64	61.92	151.889		
11,600.00	6,809.15	6,260.00	6,232.28	140.59	28.63	45.86	-71.81	5,249.18	9,470.83	9,408.86	61.97	152.828		
11,645.35	6,808.50	6,260.00	6,232.28	141.85	28.63	51.30	-71.81	5,249.18	9,515.91	9,453.90	62.01	153.469		
11,700.00	6,807.72	6,260.00	6,232.28	143.37	28.63	51.30	-71.81	5,249.18	9,570.19	9,508.14	62.05	154.237		
11,800.00	6,806.30	6,260.00	6,232.28	146.16	28.63	51.30	-71.81	5,249.18	9,669.53	9,607.40	62.13	155.636		
11,900.00	6,804.88	6,260.00	6,232.28	148.94	28.63	51.30	-71.81	5,249.18	9,768.89	9,706.68	62.21	157.031		
12,000.00	6,803.45	6,260.00	6,232.28	151.74	28.63	51.30	-71.81	5,249.18	9,868.26	9,805.97	62.29	158.421		
12,100.00	6,802.03	6,260.00	6,232.28	154.53	28.63	51.30	-71.81	5,249.18	9,967.64	9,905.27	62.37	159.806		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-71.98	1,909.27	-5,869.64	6,172.36					
100.00	100.00	133.00	133.00	3.28	4.38	-71.98	1,909.27	-5,869.64	6,172.36	6,164.70	7.66	805.661		
200.00	200.00	233.00	233.00	3.34	7.18	-71.98	1,909.27	-5,869.64	6,172.36	6,161.84	10.52	586.816		
300.00	300.00	333.00	333.00	3.44	10.41	-71.98	1,909.27	-5,869.64	6,172.36	6,158.50	13.85	445.507		
400.00	399.98	432.98	432.98	3.60	13.77	157.91	1,909.27	-5,869.64	6,173.97	6,156.61	17.36	355.572		
500.00	499.84	532.84	532.84	3.79	17.17	157.89	1,909.27	-5,869.64	6,178.82	6,157.86	20.96	294.750		
600.00	599.45	632.45	632.45	4.03	20.60	157.86	1,909.27	-5,869.64	6,186.90	6,162.28	24.62	251.270		
700.00	698.70	731.70	731.70	4.30	24.02	157.82	1,909.27	-5,869.64	6,198.20	6,169.88	28.32	218.857		
785.00	782.69	815.69	815.69	4.56	26.93	157.77	1,909.27	-5,869.64	6,210.33	6,178.84	31.48	197.252		
800.00	797.47	830.47	830.47	4.60	27.44	157.78	1,909.27	-5,869.64	6,212.67	6,180.63	32.05	193.867		
900.00	896.04	929.04	929.04	4.94	30.86	157.84	1,909.27	-5,869.64	6,228.31	6,192.52	35.79	174.047		
1,000.00	994.61	1,027.61	1,027.61	5.30	34.29	157.90	1,909.27	-5,869.64	6,243.94	6,204.39	39.55	157.874		
1,100.00	1,093.18	1,126.18	1,126.18	5.69	37.71	157.96	1,909.27	-5,869.64	6,259.59	6,216.25	43.34	144.444		
1,200.00	1,191.75	1,224.75	1,224.75	6.08	41.14	158.01	1,909.27	-5,869.64	6,275.24	6,228.10	47.14	133.125		
1,300.00	1,290.32	1,323.32	1,323.32	6.49	44.57	158.07	1,909.27	-5,869.64	6,290.90	6,239.95	50.95	123.462		
1,400.00	1,388.89	1,421.89	1,421.89	6.91	48.01	158.13	1,909.27	-5,869.64	6,306.56	6,251.78	54.78	115.122		
1,500.00	1,487.46	1,520.46	1,520.46	7.34	51.44	158.19	1,909.27	-5,869.64	6,322.23	6,263.62	58.62	107.855		
1,600.00	1,586.03	1,619.03	1,619.03	7.77	54.87	158.24	1,909.27	-5,869.64	6,337.91	6,275.45	62.46	101.468		
1,700.00	1,684.61	1,717.61	1,717.61	8.22	58.31	158.30	1,909.27	-5,869.64	6,353.59	6,287.28	66.31	95.812		
1,800.00	1,783.18	1,816.18	1,816.18	8.66	61.74	158.35	1,909.27	-5,869.64	6,369.28	6,299.11	70.17	90.770		
1,900.00	1,881.75	1,914.75	1,914.75	9.11	65.18	158.41	1,909.27	-5,869.64	6,384.97	6,310.94	74.03	86.247		
2,000.00	1,980.32	2,013.32	2,013.32	9.57	68.62	158.47	1,909.27	-5,869.64	6,400.67	6,322.78	77.90	82.169		
2,100.00	2,078.89	2,111.89	2,111.89	10.02	72.06	158.52	1,909.27	-5,869.64	6,416.38	6,334.62	81.77	78.473		
2,200.00	2,177.46	2,210.46	2,210.46	10.49	75.49	158.58	1,909.27	-5,869.64	6,432.09	6,346.45	85.64	75.109		
2,300.00	2,276.03	2,309.03	2,309.03	10.95	78.93	158.63	1,909.27	-5,869.64	6,447.81	6,358.30	89.51	72.033		
2,400.00	2,374.60	2,407.60	2,407.60	11.41	82.37	158.68	1,909.27	-5,869.64	6,463.53	6,370.14	93.39	69.211		
2,500.00	2,473.17	2,506.17	2,506.17	11.88	85.81	158.74	1,909.27	-5,869.64	6,479.26	6,381.99	97.27	66.612		
2,600.00	2,571.74	2,604.74	2,604.74	12.35	89.25	158.79	1,909.27	-5,869.64	6,495.00	6,393.85	101.15	64.212		
2,700.00	2,670.31	2,703.31	2,703.31	12.82	92.69	158.85	1,909.27	-5,869.64	6,510.74	6,405.70	105.03	61.988		
2,800.00	2,768.88	2,801.88	2,801.88	13.29	96.12	158.90	1,909.27	-5,869.64	6,526.48	6,417.56	108.92	59.922		
2,900.00	2,867.45	2,900.45	2,900.45	13.76	99.56	158.95	1,909.27	-5,869.64	6,542.23	6,429.43	112.80	57.998		
3,000.00	2,966.02	3,000.98	2,999.02	14.24	103.07	159.00	1,909.27	-5,869.64	6,557.99	6,441.23	116.76	56.168		
3,100.00	3,064.59	3,102.41	3,097.59	14.71	106.61	159.06	1,909.27	-5,869.64	6,573.75	6,453.01	120.74	54.444		
3,200.00	3,163.16	3,203.84	3,196.16	15.19	110.15	159.11	1,909.27	-5,869.64	6,589.52	6,464.79	124.73	52.830		
3,300.00	3,261.73	3,305.27	3,294.73	15.66	113.69	159.16	1,909.27	-5,869.64	6,605.29	6,476.57	128.72	51.315		
3,400.00	3,360.30	3,406.70	3,393.30	16.14	117.23	159.21	1,909.27	-5,869.64	6,621.07	6,488.36	132.71	49.891		
3,500.00	3,458.87	3,508.13	3,491.87	16.62	120.77	159.26	1,909.27	-5,869.64	6,636.85	6,500.15	136.70	48.550		
3,600.00	3,557.44	3,609.56	3,590.44	17.10	124.31	159.32	1,909.27	-5,869.64	6,652.64	6,511.95	140.69	47.285		
3,700.00	3,656.01	3,689.01	3,689.01	17.58	127.08	159.37	1,909.27	-5,869.64	6,668.43	6,524.51	143.92	46.335		
3,800.00	3,754.58	3,787.58	3,787.58	18.06	130.52	159.42	1,909.27	-5,869.64	6,684.23	6,536.42	147.81	45.222		
3,900.00	3,853.15	3,886.15	3,886.15	18.54	133.96	159.47	1,909.27	-5,869.64	6,700.03	6,548.33	151.70	44.165		
4,000.00	3,951.72	3,984.72	3,984.72	19.02	137.40	159.52	1,909.27	-5,869.64	6,715.84	6,560.25	155.60	43.162		
4,100.00	4,050.29	4,083.29	4,083.29	19.50	140.84	159.57	1,909.27	-5,869.64	6,731.66	6,572.16	159.49	42.207		
4,200.00	4,148.86	4,181.86	4,181.86	19.98	144.28	159.62	1,909.27	-5,869.64	6,747.48	6,584.09	163.39	41.298		
4,300.00	4,247.43	4,280.43	4,280.43	20.46	147.72	159.67	1,909.27	-5,869.64	6,763.30	6,596.02	167.28	40.431		
4,400.00	4,346.00	4,379.00	4,379.00	20.94	151.16	159.72	1,909.27	-5,869.64	6,779.13	6,607.95	171.18	39.603		
4,500.00	4,444.58	4,477.58	4,477.58	21.43	154.60	159.77	1,909.27	-5,869.64	6,794.96	6,619.89	175.07	38.812		
4,600.00	4,543.15	4,576.15	4,576.15	21.91	158.04	159.82	1,909.27	-5,869.64	6,810.80	6,631.83	178.97	38.056		
4,700.00	4,641.72	4,674.72	4,674.72	22.39	161.48	159.86	1,909.27	-5,869.64	6,826.64	6,643.78	182.86	37.332		
4,800.00	4,740.29	4,773.29	4,773.29	22.87	164.92	159.91	1,909.27	-5,869.64	6,842.49	6,655.73	186.76	36.638		
4,900.00	4,838.86	4,871.86	4,871.86	23.36	168.36	159.96	1,909.27	-5,869.64	6,858.35	6,667.69	190.66	35.972		
5,000.00	4,937.43	4,970.43	4,970.43	23.84	171.80	160.01	1,909.27	-5,869.64	6,874.20	6,679.65	194.55	35.333		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,069.00	5,069.00	24.32	175.24	160.06	1,909.27	-5,869.64	6,890.07	6,691.61	198.45	34.719		
5,200.00	5,134.57	5,167.57	5,167.57	24.81	178.68	160.10	1,909.27	-5,869.64	6,905.93	6,703.58	202.35	34.129		
5,300.00	5,233.14	5,266.14	5,266.14	25.29	182.13	160.15	1,909.27	-5,869.64	6,921.80	6,715.56	206.25	33.561		
5,400.00	5,331.71	5,364.71	5,364.71	25.78	185.57	160.20	1,909.27	-5,869.64	6,937.68	6,727.54	210.14	33.014		
5,500.00	5,430.28	5,463.28	5,463.28	26.26	189.01	160.25	1,909.27	-5,869.64	6,953.56	6,739.52	214.04	32.487		
5,600.00	5,528.85	5,561.85	5,561.85	26.75	192.45	160.29	1,909.27	-5,869.64	6,969.45	6,751.51	217.94	31.979		
5,700.00	5,627.42	5,660.42	5,660.42	27.23	195.89	160.34	1,909.27	-5,869.64	6,985.34	6,763.50	221.84	31.488		
5,800.00	5,725.99	5,758.99	5,758.99	27.72	199.33	160.39	1,909.27	-5,869.64	7,001.23	6,775.50	225.74	31.015		
5,900.00	5,824.56	5,857.56	5,857.56	28.20	202.77	160.43	1,909.27	-5,869.64	7,017.13	6,787.50	229.63	30.558		
6,000.00	5,923.13	5,956.13	5,956.13	28.69	206.21	160.48	1,909.27	-5,869.64	7,033.03	6,799.50	233.53	30.116		
6,100.00	6,021.70	6,054.70	6,054.70	29.17	209.65	160.52	1,909.27	-5,869.64	7,048.94	6,811.51	237.43	29.688		
6,200.00	6,120.27	6,153.27	6,153.27	29.66	213.09	160.57	1,909.27	-5,869.64	7,064.85	6,823.52	241.33	29.275		
6,238.51	6,158.23	6,208.77	6,191.23	29.84	215.03	160.59	1,909.27	-5,869.64	7,070.98	6,827.54	243.44	29.046		
6,250.00	6,169.57	6,202.57	6,202.57	29.90	214.81	156.12	1,909.27	-5,869.64	7,072.72	6,829.44	243.28	29.072		
6,300.00	6,219.12	6,252.12	6,252.12	30.13	216.54	127.01	1,909.27	-5,869.64	7,078.06	6,832.82	245.23	28.863		
6,350.00	6,268.78	6,301.78	6,301.78	30.33	218.27	89.28	1,909.27	-5,869.64	7,079.79	6,832.61	247.17	28.643		
6,400.00	6,318.25	6,351.25	6,351.25	30.52	220.00	64.61	1,909.27	-5,869.64	7,077.90	6,828.81	249.09	28.415		
6,450.00	6,367.22	6,400.22	6,400.22	30.69	221.71	52.16	1,909.27	-5,869.64	7,072.42	6,821.44	250.97	28.180		
6,500.00	6,415.39	6,448.39	6,448.39	30.86	223.39	45.56	1,909.27	-5,869.64	7,063.37	6,810.56	252.81	27.939		
6,550.00	6,462.47	6,504.53	6,495.47	31.02	225.35	41.82	1,909.27	-5,869.64	7,050.82	6,795.91	254.91	27.660		
6,600.00	6,508.16	6,541.16	6,541.16	31.18	226.63	39.69	1,909.27	-5,869.64	7,034.86	6,778.55	256.31	27.446		
6,650.00	6,552.18	6,585.18	6,585.18	31.34	228.17	38.59	1,909.27	-5,869.64	7,015.59	6,757.63	257.96	27.196		
6,700.00	6,594.26	6,627.26	6,627.26	31.51	229.64	38.24	1,909.27	-5,869.64	6,993.13	6,733.60	259.52	26.946		
6,750.00	6,634.14	6,667.14	6,667.14	31.68	231.03	38.49	1,909.27	-5,869.64	6,967.63	6,706.63	261.00	26.696		
6,800.00	6,671.58	6,704.58	6,704.58	31.86	232.33	39.28	1,909.27	-5,869.64	6,939.26	6,676.88	262.38	26.447		
6,850.00	6,706.34	6,739.34	6,739.34	32.06	233.55	40.59	1,909.27	-5,869.64	6,908.20	6,644.53	263.67	26.201		
6,900.00	6,738.21	6,771.21	6,771.21	32.27	234.66	42.44	1,909.27	-5,869.64	6,874.64	6,609.80	264.84	25.957		
6,950.00	6,766.99	6,800.01	6,799.99	32.52	235.67	44.89	1,909.27	-5,869.64	6,838.80	6,572.89	265.91	25.718		
7,000.00	6,792.51	6,825.51	6,825.51	32.80	236.56	48.03	1,909.27	-5,869.64	6,800.91	6,534.05	266.87	25.484		
7,050.00	6,814.61	6,847.61	6,847.61	33.12	237.33	51.95	1,909.27	-5,869.64	6,761.21	6,493.50	267.71	25.256		
7,100.00	6,833.15	6,866.15	6,866.15	33.48	237.97	56.78	1,909.27	-5,869.64	6,719.94	6,451.50	268.44	25.034		
7,150.00	6,848.02	6,881.02	6,881.02	33.89	238.49	62.64	1,909.27	-5,869.64	6,677.36	6,408.32	269.04	24.819		
7,200.00	6,859.13	6,907.87	6,892.13	34.35	239.43	69.60	1,909.27	-5,869.64	6,633.74	6,363.66	270.08	24.562		
7,250.00	6,866.40	6,900.60	6,899.40	34.86	239.18	77.65	1,909.27	-5,869.64	6,589.35	6,319.40	269.95	24.410		
7,300.00	6,869.79	6,902.79	6,902.79	35.40	239.25	86.55	1,909.27	-5,869.64	6,544.46	6,274.30	270.16	24.225		
7,327.68	6,870.00	6,903.00	6,903.00	35.71	239.26	91.71	1,909.27	-5,869.64	6,519.49	6,249.25	270.24	24.124		
7,400.00	6,868.97	6,901.97	6,901.97	36.61	239.23	91.69	1,909.27	-5,869.64	6,454.30	6,183.86	270.44	23.866		
7,500.00	6,867.54	6,900.54	6,900.54	38.01	239.18	91.66	1,909.27	-5,869.64	6,364.40	6,093.63	270.77	23.505		
7,600.00	6,866.12	6,900.88	6,899.12	39.58	239.19	91.63	1,909.27	-5,869.64	6,274.80	6,003.58	271.22	23.135		
7,700.00	6,864.69	6,902.31	6,897.69	41.29	239.24	91.60	1,909.27	-5,869.64	6,185.52	5,913.74	271.79	22.759		
7,800.00	6,863.27	6,903.73	6,896.27	43.12	239.29	91.57	1,909.27	-5,869.64	6,096.58	5,824.16	272.42	22.379		
7,900.00	6,861.85	6,905.15	6,894.85	45.06	239.34	91.54	1,909.27	-5,869.64	6,007.98	5,734.85	273.13	21.997		
8,000.00	6,860.42	6,906.58	6,893.42	47.10	239.39	91.52	1,909.27	-5,869.64	5,919.75	5,645.83	273.92	21.611		
8,100.00	6,859.00	6,908.00	6,892.00	49.21	239.44	91.49	1,909.27	-5,869.64	5,831.89	5,557.11	274.79	21.223		
8,200.00	6,857.57	6,909.43	6,890.57	51.40	239.49	91.46	1,909.27	-5,869.64	5,744.44	5,468.70	275.73	20.833		
8,300.00	6,856.15	6,889.15	6,889.15	53.65	238.78	91.43	1,909.27	-5,869.64	5,657.39	5,381.39	276.00	20.497		
8,400.00	6,854.72	6,887.72	6,887.72	55.96	238.73	91.40	1,909.27	-5,869.64	5,570.78	5,293.77	277.02	20.110		
8,500.00	6,853.30	6,886.30	6,886.30	58.31	238.68	91.37	1,909.27	-5,869.64	5,484.63	5,206.51	278.12	19.721		
8,600.00	6,851.88	6,884.88	6,884.88	60.70	238.63	91.34	1,909.27	-5,869.64	5,398.96	5,119.65	279.30	19.330		
8,700.00	6,850.45	6,883.45	6,883.45	63.14	238.58	91.31	1,909.27	-5,869.64	5,313.78	5,033.20	280.58	18.939		
8,800.00	6,849.03	6,882.03	6,882.03	65.60	238.53	91.28	1,909.27	-5,869.64	5,229.13	4,947.19	281.94	18.547		
8,900.00	6,847.60	6,880.60	6,880.60	68.10	238.48	91.25	1,909.27	-5,869.64	5,145.03	4,861.64	283.39	18.155		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,846.18	6,879.18	6,879.18	70.62	238.43	91.23	1,909.27	-5,869.64	5,061.51	4,776.57	284.94	17.764		
9,100.00	6,844.75	6,877.75	6,877.75	73.17	238.38	91.20	1,909.27	-5,869.64	4,978.59	4,692.02	286.57	17.373		
9,200.00	6,843.33	6,876.33	6,876.33	75.73	238.33	91.17	1,909.27	-5,869.64	4,896.32	4,608.02	288.30	16.983		
9,300.00	6,841.91	6,874.91	6,874.91	78.32	238.28	91.14	1,909.27	-5,869.64	4,814.71	4,524.59	290.12	16.595		
9,400.00	6,840.48	6,873.48	6,873.48	80.92	238.23	91.11	1,909.27	-5,869.64	4,733.81	4,441.76	292.04	16.209		
9,500.00	6,839.06	6,872.06	6,872.06	83.54	238.18	91.08	1,909.27	-5,869.64	4,653.65	4,359.59	294.06	15.825		
9,600.00	6,837.63	6,870.63	6,870.63	86.18	238.13	91.05	1,909.27	-5,869.64	4,574.27	4,278.09	296.18	15.444		
9,700.00	6,836.21	6,869.21	6,869.21	88.82	238.08	91.02	1,909.27	-5,869.64	4,495.71	4,197.32	298.39	15.066		
9,800.00	6,834.78	6,867.78	6,867.78	91.48	238.03	90.99	1,909.27	-5,869.64	4,418.03	4,117.31	300.71	14.692		
9,900.00	6,833.36	6,866.36	6,866.36	94.15	237.98	90.96	1,909.27	-5,869.64	4,341.25	4,038.12	303.13	14.321		
10,000.00	6,831.94	6,864.94	6,864.94	96.83	237.93	90.93	1,909.27	-5,869.64	4,265.43	3,959.78	305.65	13.955		
10,100.00	6,830.51	6,863.51	6,863.51	99.52	237.88	90.91	1,909.27	-5,869.64	4,190.63	3,882.35	308.28	13.594		
10,200.00	6,829.09	6,862.09	6,862.09	102.22	237.83	90.88	1,909.27	-5,869.64	4,116.90	3,805.89	311.01	13.237		
10,300.00	6,827.66	6,860.66	6,860.66	104.92	237.78	90.85	1,909.27	-5,869.64	4,044.30	3,730.45	313.85	12.886		
10,400.00	6,826.24	6,859.24	6,859.24	107.63	237.73	90.82	1,909.27	-5,869.64	3,972.89	3,656.09	316.80	12.541		
10,500.00	6,824.81	6,857.81	6,857.81	110.35	237.68	90.79	1,909.27	-5,869.64	3,902.73	3,582.88	319.85	12.202		
10,600.00	6,823.39	6,856.39	6,856.39	113.08	237.63	90.76	1,909.27	-5,869.64	3,833.90	3,510.88	323.01	11.869		
10,700.00	6,821.96	6,854.96	6,854.96	115.81	237.58	90.73	1,909.27	-5,869.64	3,766.46	3,440.18	326.28	11.544		
10,800.00	6,820.54	6,853.54	6,853.54	118.54	237.53	90.70	1,909.27	-5,869.64	3,700.50	3,370.84	329.65	11.225		
10,900.00	6,819.12	6,852.12	6,852.12	121.29	237.48	90.67	1,909.27	-5,869.64	3,636.09	3,302.96	333.13	10.915		
11,000.00	6,817.69	6,850.69	6,850.69	124.03	237.44	90.64	1,909.27	-5,869.64	3,573.31	3,236.61	336.71	10.613		
11,100.00	6,816.27	6,849.27	6,849.27	126.78	237.39	90.61	1,909.27	-5,869.64	3,512.27	3,171.89	340.38	10.319		
11,200.00	6,814.84	6,847.84	6,847.84	129.54	237.34	90.59	1,909.27	-5,869.64	3,453.04	3,108.89	344.15	10.034		
11,300.00	6,813.42	6,846.42	6,846.42	132.29	237.29	90.56	1,909.27	-5,869.64	3,395.72	3,047.71	348.00	9.758		
11,400.00	6,811.99	6,844.99	6,844.99	135.05	237.24	90.53	1,909.27	-5,869.64	3,340.41	2,988.46	351.94	9.491		
11,500.00	6,810.57	6,843.57	6,843.57	137.82	237.19	90.50	1,909.27	-5,869.64	3,287.21	2,931.26	355.95	9.235		
11,534.42	6,810.08	6,843.08	6,843.08	138.77	237.17	90.49	1,909.27	-5,869.64	3,269.40	2,912.05	357.35	9.149		
11,600.00	6,809.15	6,842.15	6,842.15	140.59	237.14	90.49	1,909.27	-5,869.64	3,235.58	2,875.57	360.01	8.987		
11,645.35	6,808.50	6,841.50	6,841.50	141.85	237.11	90.50	1,909.27	-5,869.64	3,212.00	2,850.15	361.85	8.877		
11,700.00	6,807.72	6,840.72	6,840.72	143.37	237.09	90.48	1,909.27	-5,869.64	3,183.85	2,819.78	364.07	8.745		
11,800.00	6,806.30	6,839.30	6,839.30	146.16	237.04	90.45	1,909.27	-5,869.64	3,134.14	2,765.96	368.18	8.513		
11,900.00	6,804.88	6,837.88	6,837.88	148.94	236.99	90.42	1,909.27	-5,869.64	3,086.87	2,714.55	372.32	8.291		
12,000.00	6,803.45	6,836.45	6,836.45	151.74	236.94	90.39	1,909.27	-5,869.64	3,042.15	2,665.66	376.49	8.080		
12,100.00	6,802.03	6,835.03	6,835.03	154.53	236.89	90.36	1,909.27	-5,869.64	3,000.10	2,619.43	380.67	7.881		
12,200.00	6,800.61	6,833.61	6,833.61	157.32	236.84	90.33	1,909.27	-5,869.64	2,960.83	2,575.99	384.84	7.694		
12,300.00	6,799.18	6,832.18	6,832.18	160.12	236.79	90.30	1,909.27	-5,869.64	2,924.46	2,535.47	388.99	7.518		
12,400.00	6,797.76	6,830.76	6,830.76	162.92	236.74	90.27	1,909.27	-5,869.64	2,891.08	2,497.99	393.10	7.355		
12,500.00	6,796.34	6,829.34	6,829.34	165.72	236.69	90.24	1,909.27	-5,869.64	2,860.82	2,463.69	397.13	7.204		
12,600.00	6,794.92	6,827.92	6,827.92	168.53	236.64	90.21	1,909.27	-5,869.64	2,833.76	2,432.68	401.08	7.065		
12,700.00	6,793.49	6,826.49	6,826.49	171.33	236.59	90.18	1,909.27	-5,869.64	2,810.00	2,405.08	404.92	6.940		
12,800.00	6,792.07	6,825.07	6,825.07	174.14	236.54	90.15	1,909.27	-5,869.64	2,789.62	2,381.00	408.63	6.827		
12,900.00	6,790.65	6,823.65	6,823.65	176.95	236.49	90.13	1,909.27	-5,869.64	2,772.70	2,360.52	412.18	6.727		
13,000.00	6,789.22	6,822.22	6,822.22	179.76	236.44	90.10	1,909.27	-5,869.64	2,759.31	2,343.75	415.55	6.640		
13,100.00	6,787.80	6,820.80	6,820.80	182.57	236.39	90.07	1,909.27	-5,869.64	2,749.48	2,330.75	418.74	6.566		
13,200.00	6,786.38	6,819.38	6,819.38	185.38	236.34	90.04	1,909.27	-5,869.64	2,743.27	2,321.56	421.71	6.505		
13,300.00	6,784.95	6,817.95	6,817.95	188.20	236.29	90.01	1,909.27	-5,869.64	2,740.70	2,316.25	424.45	6.457		
13,320.63	6,784.66	6,817.66	6,817.66	188.78	236.28	90.00	1,909.27	-5,869.64	2,740.62	2,315.63	424.99	6.449 CC		
13,400.00	6,783.53	6,816.53	6,816.53	191.01	236.24	89.98	1,909.27	-5,869.64	2,741.77	2,314.82	426.95	6.422 ES		
13,500.00	6,782.11	6,815.11	6,815.11	193.83	236.19	89.95	1,909.27	-5,869.64	2,746.48	2,317.28	429.20	6.399		
13,600.00	6,780.68	6,813.68	6,813.68	196.65	236.14	89.92	1,909.27	-5,869.64	2,754.82	2,323.62	431.20	6.389 SF		
13,700.00	6,779.26	6,812.26	6,812.26	199.47	236.09	89.89	1,909.27	-5,869.64	2,766.75	2,333.81	432.93	6.391		
13,800.00	6,777.84	6,810.84	6,810.84	202.29	236.04	89.86	1,909.27	-5,869.64	2,782.22	2,347.81	434.41	6.405		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	6,809.42	6,809.42	205.11	235.99	89.83	1,909.27	-5,869.64	2,801.18	2,365.55	435.62	6.430		
14,000.00	6,774.99	6,807.99	6,807.99	207.93	235.94	89.80	1,909.27	-5,869.64	2,823.55	2,386.96	436.59	6.467		
14,100.00	6,773.57	6,806.57	6,806.57	210.76	235.90	89.77	1,909.27	-5,869.64	2,849.26	2,411.96	437.30	6.516		
14,200.00	6,772.15	6,805.15	6,805.15	213.58	235.85	89.74	1,909.27	-5,869.64	2,878.22	2,440.43	437.79	6.574		
14,300.00	6,770.72	6,803.72	6,803.72	216.40	235.80	89.71	1,909.27	-5,869.64	2,910.32	2,472.28	438.04	6.644		
14,400.00	6,769.30	6,802.30	6,802.30	219.23	235.75	89.68	1,909.27	-5,869.64	2,945.47	2,507.38	438.09	6.723		
14,500.00	6,767.88	6,800.88	6,800.88	222.06	235.70	89.65	1,909.27	-5,869.64	2,983.56	2,545.61	437.95	6.813		
14,600.00	6,766.45	6,800.55	6,799.45	224.89	235.68	89.62	1,909.27	-5,869.64	3,024.47	2,586.82	437.66	6.911		
14,700.00	6,765.03	6,801.97	6,798.03	227.71	235.73	89.59	1,909.27	-5,869.64	3,068.11	2,630.84	437.26	7.017		
14,800.00	6,763.61	6,803.39	6,796.61	230.54	235.78	89.56	1,909.27	-5,869.64	3,114.34	2,677.62	436.72	7.131		
14,900.00	6,762.19	6,804.82	6,795.19	233.37	235.83	89.53	1,909.27	-5,869.64	3,163.05	2,727.01	436.04	7.254		
15,000.00	6,760.76	6,806.24	6,793.76	236.20	235.88	89.50	1,909.27	-5,869.64	3,214.14	2,778.90	435.24	7.385		
15,100.00	6,759.34	6,807.66	6,792.34	239.03	235.93	89.47	1,909.27	-5,869.64	3,267.49	2,833.16	434.33	7.523		
15,200.00	6,757.92	6,809.08	6,790.92	241.86	235.98	89.44	1,909.27	-5,869.64	3,323.00	2,889.66	433.34	7.668		
15,300.00	6,756.49	6,789.49	6,789.49	244.70	235.30	89.41	1,909.27	-5,869.64	3,380.55	2,949.02	431.52	7.834		
15,334.64	6,756.00	6,789.00	6,789.00	245.68	235.28	89.40	1,909.27	-5,869.64	3,400.94	2,969.84	431.10	7.889		
15,335.52	6,755.99	6,788.99	6,788.99	245.70	235.28	89.40	1,909.27	-5,869.64	3,401.46	2,970.38	431.09	7.890		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	15,754.22	7,060.91	3.28	285.35	-1.30	1,601.78	-36.35	7,285.28					
100.00	100.00	15,754.18	7,060.91	3.28	285.35	-1.30	1,601.78	-36.39	7,187.76	7,070.01	117.75	61.044		
200.00	200.00	15,754.14	7,060.91	3.34	285.34	-1.30	1,601.78	-36.43	7,090.31	6,972.19	118.12	60.026		
300.00	300.00	15,754.10	7,060.91	3.44	285.34	-1.30	1,601.78	-36.47	6,992.93	6,874.42	118.52	59.004		
400.00	399.98	15,755.08	7,060.91	3.60	285.38	-137.10	1,601.81	-35.50	6,895.92	6,776.95	118.97	57.965		
500.00	499.84	15,758.07	7,060.91	3.79	285.47	-141.64	1,601.88	-32.50	6,799.66	6,680.14	119.51	56.895		
600.00	599.45	15,763.08	7,060.91	4.03	285.64	-145.28	1,602.01	-27.49	6,704.29	6,584.13	120.16	55.792		
700.00	698.70	15,770.09	7,060.91	4.30	285.87	-148.22	1,602.20	-20.48	6,609.97	6,489.05	120.93	54.661		
785.00	782.69	15,777.61	7,060.90	4.56	286.12	-150.29	1,602.42	-12.97	6,530.75	6,409.08	121.66	53.678		
800.00	797.47	15,779.06	7,060.90	4.60	286.16	-150.25	1,602.46	-11.52	6,516.85	6,395.05	121.80	53.505		
900.00	896.04	15,788.71	7,060.90	4.94	286.48	-150.04	1,602.75	-1.87	6,424.32	6,301.56	122.76	52.331		
1,000.00	994.61	15,798.34	7,060.89	5.30	286.80	-149.83	1,603.06	7.75	6,332.00	6,208.23	123.77	51.158		
1,100.00	1,093.18	15,807.93	7,060.89	5.69	287.11	-149.62	1,603.39	17.34	6,239.90	6,115.06	124.84	49.985		
1,200.00	1,191.75	15,818.95	7,060.88	6.08	287.47	-149.37	1,603.78	28.35	6,148.02	6,022.05	125.97	48.805		
1,300.00	1,290.32	15,832.55	7,060.88	6.49	287.92	-149.07	1,604.25	41.94	6,056.38	5,929.18	127.20	47.612		
1,400.00	1,388.89	15,846.23	7,060.88	6.91	288.37	-148.76	1,604.70	55.61	5,964.98	5,836.48	128.50	46.421		
1,500.00	1,487.46	15,860.00	7,060.88	7.34	288.82	-148.45	1,605.13	69.37	5,873.82	5,743.97	129.85	45.234		
1,600.00	1,586.03	15,873.85	7,060.88	7.77	289.28	-148.14	1,605.55	83.22	5,782.93	5,651.65	131.28	44.051		
1,700.00	1,684.61	15,887.79	7,060.89	8.22	289.73	-147.83	1,605.95	97.16	5,692.31	5,559.54	132.77	42.872		
1,800.00	1,783.18	15,901.82	7,060.90	8.66	290.19	-147.51	1,606.33	111.18	5,601.99	5,467.64	134.34	41.699		
1,900.00	1,881.75	15,915.94	7,060.92	9.11	290.66	-147.19	1,606.69	125.29	5,511.96	5,375.97	135.99	40.532		
2,000.00	1,980.32	15,930.15	7,060.94	9.57	291.12	-146.87	1,607.03	139.50	5,422.25	5,284.53	137.71	39.373		
2,100.00	2,078.89	15,944.45	7,060.96	10.02	291.59	-146.54	1,607.35	153.79	5,332.87	5,193.34	139.52	38.222		
2,200.00	2,177.46	15,958.84	7,060.98	10.49	292.07	-146.21	1,607.65	168.18	5,243.84	5,102.42	141.42	37.079		
2,300.00	2,276.03	15,965.57	7,060.99	10.95	292.29	-146.06	1,607.87	174.91	5,155.20	5,011.91	143.28	35.980		
2,400.00	2,374.60	15,976.65	7,061.00	11.41	292.65	-145.81	1,608.15	185.99	5,066.94	4,921.64	145.30	34.871		
2,500.00	2,473.17	15,987.69	7,061.01	11.88	293.02	-145.55	1,608.45	197.02	4,979.10	4,831.68	147.42	33.774		
2,600.00	2,571.74	15,998.68	7,061.02	12.35	293.38	-145.30	1,608.76	208.01	4,891.70	4,742.06	149.64	32.690		
2,700.00	2,670.31	16,009.63	7,061.03	12.82	293.74	-145.05	1,609.09	218.95	4,804.77	4,652.81	151.96	31.619		
2,800.00	2,768.88	16,020.54	7,061.04	13.29	294.09	-144.79	1,609.42	229.85	4,718.32	4,563.93	154.38	30.562		
2,900.00	2,867.45	16,031.40	7,061.05	13.76	294.45	-144.54	1,609.77	240.71	4,632.38	4,475.47	156.92	29.521		
3,000.00	2,966.02	16,045.45	7,061.05	14.24	294.91	-144.21	1,610.23	254.75	4,546.99	4,387.36	159.63	28.485		
3,100.00	3,064.59	16,060.06	7,061.06	14.71	295.39	-143.87	1,610.69	269.36	4,462.17	4,299.70	162.47	27.465		
3,200.00	3,163.16	16,074.69	7,061.07	15.19	295.87	-143.53	1,611.14	283.98	4,377.94	4,212.51	165.43	26.464		
3,300.00	3,261.73	16,089.32	7,061.07	15.66	296.35	-143.19	1,611.57	298.61	4,294.35	4,125.82	168.52	25.482		
3,400.00	3,360.30	16,103.97	7,061.07	16.14	296.84	-142.84	1,611.99	313.24	4,211.42	4,039.68	171.75	24.521		
3,500.00	3,458.87	16,118.62	7,061.08	16.62	297.32	-142.50	1,612.40	327.89	4,129.21	3,954.11	175.11	23.581		
3,600.00	3,557.44	16,133.28	7,061.08	17.10	297.80	-142.15	1,612.79	342.55	4,047.76	3,869.15	178.61	22.663		
3,700.00	3,656.01	16,147.96	7,061.08	17.58	298.28	-141.81	1,613.17	357.22	3,967.11	3,784.85	182.25	21.767		
3,800.00	3,754.58	16,162.64	7,061.08	18.06	298.76	-141.46	1,613.54	371.90	3,887.30	3,701.26	186.05	20.894		
3,900.00	3,853.15	16,173.46	7,061.08	18.54	299.12	-141.20	1,613.82	382.72	3,808.42	3,618.51	189.91	20.054		
4,000.00	3,951.72	16,175.00	7,061.08	19.02	299.17	-141.16	1,613.86	384.25	3,730.52	3,536.82	193.70	19.260		
4,100.00	4,050.29	16,175.00	7,061.08	19.50	299.17	-141.16	1,613.86	384.25	3,653.69	3,456.10	197.59	18.491		
4,200.00	4,148.86	16,175.00	7,061.08	19.98	299.17	-141.16	1,613.86	384.25	3,578.02	3,376.39	201.63	17.745		
4,300.00	4,247.43	16,175.00	7,061.08	20.46	299.17	-141.16	1,613.86	384.25	3,503.56	3,297.74	205.81	17.023		
4,400.00	4,346.00	16,175.00	7,061.08	20.94	299.17	-141.16	1,613.86	384.25	3,430.40	3,220.26	210.14	16.324		
4,500.00	4,444.58	16,175.00	7,061.08	21.43	299.17	-141.16	1,613.86	384.25	3,358.62	3,144.01	214.61	15.650		
4,600.00	4,543.15	16,175.00	7,061.08	21.91	299.17	-141.16	1,613.86	384.25	3,288.32	3,069.10	219.22	15.000		
4,700.00	4,641.72	16,175.00	7,061.08	22.39	299.17	-141.16	1,613.86	384.25	3,219.59	2,995.63	223.96	14.376		
4,800.00	4,740.29	16,175.00	7,061.08	22.87	299.17	-141.16	1,613.86	384.25	3,152.53	2,923.70	228.84	13.776		
4,900.00	4,838.86	16,175.00	7,061.08	23.36	299.17	-141.16	1,613.86	384.25	3,087.26	2,853.43	233.83	13.203		
5,000.00	4,937.43	16,175.00	7,061.08	23.84	299.17	-141.16	1,613.86	384.25	3,023.88	2,784.95	238.94	12.655		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	16,175.00	7,061.08	24.32	299.17	-141.16	1,613.86	384.25	2,962.53	2,718.39	244.15	12.134		
5,200.00	5,134.57	16,175.00	7,061.08	24.81	299.17	-141.16	1,613.86	384.25	2,903.33	2,653.89	249.44	11.640		
5,300.00	5,233.14	16,175.00	7,061.08	25.29	299.17	-141.16	1,613.86	384.25	2,846.40	2,591.61	254.79	11.172		
5,400.00	5,331.71	16,175.00	7,061.08	25.78	299.17	-141.16	1,613.86	384.25	2,791.90	2,531.72	260.18	10.731		
5,500.00	5,430.28	16,175.00	7,061.08	26.26	299.17	-141.16	1,613.86	384.25	2,739.97	2,474.37	265.59	10.316		
5,600.00	5,528.85	16,175.00	7,061.08	26.75	299.17	-141.16	1,613.86	384.25	2,690.75	2,419.76	270.99	9.929		
5,700.00	5,627.42	16,175.00	7,061.08	27.23	299.17	-141.16	1,613.86	384.25	2,644.40	2,368.06	276.34	9.569		
5,800.00	5,725.99	16,175.00	7,061.08	27.72	299.17	-141.16	1,613.86	384.25	2,601.07	2,319.47	281.60	9.237		
5,900.00	5,824.56	16,175.00	7,061.08	28.20	299.17	-141.16	1,613.86	384.25	2,560.91	2,274.17	286.74	8.931		
6,000.00	5,923.13	16,175.00	7,061.08	28.69	299.17	-141.16	1,613.86	384.25	2,524.08	2,232.37	291.71	8.653		
6,100.00	6,021.70	16,175.00	7,061.08	29.17	299.17	-141.16	1,613.86	384.25	2,490.72	2,194.25	296.47	8.401		
6,200.00	6,120.27	16,175.00	7,061.08	29.66	299.17	-141.16	1,613.86	384.25	2,460.98	2,160.01	300.97	8.177		
6,238.51	6,158.23	16,175.00	7,061.08	29.84	299.17	-141.16	1,613.86	384.25	2,450.51	2,147.89	302.62	8.098		
6,250.00	6,169.57	16,175.00	7,061.08	29.90	299.17	-145.30	1,613.86	384.25	2,447.49	2,144.38	303.11	8.075		
6,300.00	6,219.12	16,175.00	7,061.08	30.13	299.17	-173.06	1,613.86	384.25	2,434.56	2,129.33	305.23	7.976		
6,350.00	6,268.78	16,175.00	7,061.08	30.33	299.17	150.38	1,613.86	384.25	2,422.11	2,114.76	307.34	7.881		
6,400.00	6,318.25	16,175.00	7,061.08	30.52	299.17	126.69	1,613.86	384.25	2,410.21	2,100.77	309.44	7.789		
6,450.00	6,367.22	16,175.00	7,061.08	30.69	299.17	115.01	1,613.86	384.25	2,398.95	2,087.45	311.50	7.701		
6,500.00	6,415.39	16,175.00	7,061.08	30.86	299.17	108.97	1,613.86	384.25	2,388.41	2,074.88	313.54	7.618		
6,550.00	6,462.47	16,175.00	7,061.08	31.02	299.17	105.56	1,613.86	384.25	2,378.67	2,063.15	315.52	7.539		
6,600.00	6,508.16	16,175.00	7,061.08	31.18	299.17	103.52	1,613.86	384.25	2,369.78	2,052.35	317.44	7.465		
6,650.00	6,552.18	16,175.00	7,061.08	31.34	299.17	102.23	1,613.86	384.25	2,361.83	2,042.54	319.29	7.397		
6,700.00	6,594.26	16,175.00	7,061.08	31.51	299.17	101.38	1,613.86	384.25	2,354.86	2,033.81	321.05	7.335		
6,750.00	6,634.14	16,175.00	7,061.08	31.68	299.17	100.79	1,613.86	384.25	2,348.93	2,026.21	322.72	7.279		
6,800.00	6,671.58	16,175.00	7,061.08	31.86	299.17	100.35	1,613.86	384.25	2,344.09	2,019.80	324.29	7.228		
6,850.00	6,706.34	16,175.00	7,061.08	32.06	299.17	100.00	1,613.86	384.25	2,340.36	2,014.61	325.76	7.184		
6,900.00	6,738.21	16,175.00	7,061.08	32.27	299.17	99.68	1,613.86	384.25	2,337.79	2,010.68	327.11	7.147		
6,950.00	6,766.99	16,175.00	7,061.08	32.52	299.17	99.37	1,613.86	384.25	2,336.38	2,008.03	328.34	7.116 SF		
7,000.00	6,792.51	16,141.32	7,061.08	32.80	298.06	98.64	1,613.00	350.58	2,335.92	2,007.88	328.04	7.121		
7,050.00	6,814.61	16,088.67	7,061.07	33.12	296.33	97.80	1,611.55	297.96	2,335.72	2,008.81	326.91	7.145		
7,100.00	6,833.15	16,034.13	7,061.05	33.48	294.54	97.10	1,609.86	243.44	2,335.59	2,009.92	325.68	7.172		
7,121.69	6,840.06	16,017.40	7,061.04	33.66	293.99	96.89	1,609.33	226.72	2,335.56	2,010.12	325.45	7.176		
7,150.00	6,848.02	15,995.78	7,061.02	33.89	293.28	96.64	1,608.68	205.11	2,335.61	2,010.46	325.15	7.183		
7,200.00	6,859.13	15,957.00	7,060.98	34.35	292.01	96.29	1,607.65	166.35	2,335.90	2,011.30	324.60	7.196		
7,250.00	6,866.40	15,903.45	7,060.90	34.86	290.25	95.98	1,606.37	112.80	2,336.33	2,012.92	323.41	7.224		
7,300.00	6,869.79	15,837.32	7,060.88	35.40	288.08	95.82	1,604.41	46.71	2,336.45	2,014.77	321.68	7.263		
7,327.68	6,870.00	15,814.00	7,060.88	35.71	287.31	95.82	1,603.60	23.40	2,336.38	2,015.08	321.30	7.272		
7,352.67	6,869.64	15,789.27	7,060.90	36.02	286.50	95.83	1,602.77	-1.31	2,336.33	2,015.51	320.82	7.282		
7,400.00	6,868.97	15,755.92	7,060.91	36.61	285.40	95.84	1,601.83	-34.66	2,336.47	2,015.99	320.47	7.291		
7,500.00	6,867.54	15,663.53	7,060.96	38.01	282.37	95.87	1,599.87	-127.02	2,337.46	2,018.52	318.95	7.329		
7,600.00	6,866.12	15,558.61	7,061.02	39.58	278.92	95.91	1,597.39	-231.92	2,338.22	2,021.19	317.04	7.375		
7,700.00	6,864.69	15,443.05	7,060.98	41.29	275.13	95.95	1,594.30	-347.43	2,338.68	2,023.88	314.80	7.429		
7,800.00	6,863.27	15,348.00	7,060.93	43.12	272.01	95.98	1,591.16	-442.43	2,338.53	2,024.96	313.57	7.458		
7,809.05	6,863.14	15,332.84	7,060.93	43.30	271.52	95.98	1,590.66	-457.58	2,338.49	2,025.30	313.18	7.467		
7,900.00	6,861.85	15,275.89	7,060.70	45.06	269.65	96.00	1,589.32	-514.51	2,339.15	2,025.75	313.40	7.464		
8,000.00	6,860.42	15,221.85	7,060.30	47.10	267.87	96.00	1,588.93	-568.55	2,341.52	2,027.52	314.00	7.457		
8,100.00	6,859.00	14,962.75	7,054.76	49.21	259.38	95.95	1,583.42	-827.36	2,343.50	2,037.47	306.03	7.658		
8,200.00	6,857.57	14,859.86	7,051.15	51.40	256.04	95.91	1,576.89	-929.99	2,339.92	2,035.10	304.83	7.676		
8,300.00	6,856.15	14,782.24	7,048.43	53.65	253.51	95.88	1,572.40	-1,007.43	2,336.91	2,032.05	304.86	7.666		
8,400.00	6,854.72	14,702.95	7,046.21	55.96	250.93	95.85	1,568.48	-1,086.58	2,334.81	2,029.97	304.84	7.659		
8,500.00	6,853.30	14,615.59	7,044.38	58.31	248.08	95.84	1,564.74	-1,173.85	2,333.45	2,028.97	304.48	7.664		
8,600.00	6,851.88	14,528.94	7,043.16	60.70	245.25	95.84	1,561.43	-1,260.42	2,332.62	2,028.43	304.19	7.668		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
8,700.00	6,850.45	14,387.15	7,043.62	63.14	240.63	95.91	1,555.13	-1,402.07	2,331.41	2,029.95	301.46	7.734		
8,800.00	6,849.03	14,245.57	7,044.10	65.60	236.05	95.98	1,546.19	-1,543.36	2,328.30	2,029.60	298.70	7.795		
8,900.00	6,847.60	14,108.37	7,044.28	68.10	231.63	96.05	1,534.88	-1,680.10	2,323.16	2,027.06	296.11	7.846		
9,000.00	6,846.18	14,011.59	7,044.44	70.62	228.52	96.11	1,526.32	-1,776.50	2,317.49	2,021.98	295.51	7.842		
9,100.00	6,844.75	13,925.22	7,044.61	73.17	225.74	96.15	1,518.89	-1,862.54	2,312.09	2,016.64	295.45	7.826		
9,200.00	6,843.33	13,852.00	7,044.78	75.73	223.39	96.19	1,513.41	-1,935.56	2,307.76	2,011.71	296.04	7.795		
9,300.00	6,841.91	13,775.39	7,045.02	78.32	220.91	96.23	1,508.51	-2,012.01	2,304.51	2,008.06	296.45	7.774		
9,400.00	6,840.48	13,708.45	7,045.27	80.92	218.75	96.27	1,504.89	-2,078.85	2,302.33	2,005.04	297.29	7.744		
9,500.00	6,839.06	13,637.74	7,045.51	83.54	216.45	96.30	1,502.21	-2,149.51	2,301.67	2,003.75	297.92	7.726		
9,520.21	6,838.77	13,620.44	7,045.59	84.08	215.89	96.31	1,501.65	-2,166.80	2,301.66	2,003.74	297.92	7.726		
9,600.00	6,837.63	13,557.99	7,045.94	86.18	213.86	96.34	1,499.82	-2,229.22	2,301.89	2,003.75	298.14	7.721		
9,700.00	6,836.21	13,496.42	7,046.16	88.82	211.85	96.36	1,498.84	-2,290.79	2,303.48	2,004.39	299.09	7.702		
9,800.00	6,834.78	13,386.00	7,046.23	91.48	208.25	96.40	1,497.74	-2,401.20	2,305.61	2,007.57	298.04	7.736		
9,900.00	6,833.36	13,320.57	7,046.32	94.15	206.12	96.42	1,497.23	-2,466.63	2,308.09	2,009.28	298.81	7.724		
10,000.00	6,831.94	13,248.93	7,046.52	96.83	203.78	96.44	1,498.06	-2,538.26	2,312.34	2,013.06	299.28	7.726		
10,100.00	6,830.51	13,177.00	7,046.99	99.52	201.29	96.50	1,499.06	-2,717.81	2,316.62	2,117.30	199.32	11.622		
10,200.00	6,829.09	13,105.07	7,047.41	102.22	198.75	96.58	1,491.66	-2,900.87	2,315.50	2,024.14	291.36	7.947		
10,300.00	6,827.66	13,033.04	7,047.45	104.92	189.24	96.61	1,487.27	-2,986.94	2,313.54	2,022.12	291.42	7.939		
10,400.00	6,826.24	12,961.01	7,047.53	107.63	184.55	96.68	1,479.24	-3,133.09	2,311.43	2,022.68	288.75	8.005		
10,500.00	6,824.81	12,889.08	7,047.64	110.35	181.20	96.73	1,471.60	-3,237.86	2,307.32	2,019.35	287.97	8.012		
10,600.00	6,823.39	12,817.05	7,047.90	113.08	176.50	96.81	1,459.09	-3,385.72	2,301.99	2,016.89	285.10	8.074		
10,700.00	6,821.96	12,745.02	7,048.01	115.81	174.38	96.85	1,452.96	-3,452.61	2,296.25	2,010.06	286.19	8.023		
10,800.00	6,820.54	12,673.00	7,047.77	118.54	173.12	96.86	1,450.42	-3,492.05	2,292.92	2,004.41	288.51	7.947		
10,874.69	6,819.48	12,601.07	7,047.41	120.59	172.22	96.86	1,449.26	-3,520.46	2,292.15	2,001.97	290.17	7.899		
10,900.00	6,819.12	12,529.04	7,047.12	121.29	171.67	96.86	1,448.77	-3,537.56	2,292.18	2,001.79	290.40	7.893		
11,000.00	6,817.69	12,457.01	7,045.85	124.03	169.71	96.85	1,447.75	-3,598.34	2,293.40	2,001.87	291.53	7.867		
11,100.00	6,816.27	12,385.08	7,039.85	126.78	162.03	96.80	1,437.65	-3,839.23	2,291.62	2,006.75	284.88	8.044		
11,200.00	6,814.84	12,313.05	7,038.11	129.54	159.47	96.79	1,432.11	-3,920.06	2,287.75	2,002.45	285.30	8.019		
11,300.00	6,813.42	12,241.02	7,037.44	132.29	157.32	96.80	1,428.49	-3,987.77	2,285.38	1,999.07	286.30	7.982		
11,377.92	6,812.31	12,169.09	7,037.30	134.44	156.20	96.81	1,427.16	-4,023.19	2,284.75	1,996.95	287.80	7.939		
11,400.00	6,811.99	12,097.06	7,037.25	135.05	155.81	96.82	1,426.82	-4,035.23	2,284.80	1,996.68	288.12	7.930		
11,500.00	6,810.57	12,025.03	7,036.90	137.82	153.91	96.83	1,425.87	-4,095.06	2,286.22	1,996.90	289.31	7.902		
11,534.42	6,810.08	11,953.00	7,036.74	138.77	152.91	96.83	1,425.61	-4,126.19	2,287.00	1,997.71	289.28	7.906		
11,600.00	6,809.15	11,881.07	7,036.56	140.59	151.03	96.86	1,425.25	-4,185.08	2,287.88	1,998.63	289.25	7.910		
11,645.35	6,808.50	11,809.04	7,036.51	141.85	149.78	96.89	1,425.11	-4,224.34	2,287.74	1,998.46	289.28	7.908		
11,700.00	6,807.72	11,737.01	7,036.51	143.37	148.20	96.91	1,425.08	-4,273.76	2,287.31	1,998.07	289.24	7.908		
11,800.00	6,806.30	11,665.08	7,036.58	146.16	143.83	96.97	1,423.44	-4,411.40	2,285.30	1,998.01	287.29	7.955		
11,900.00	6,804.88	11,593.05	7,036.73	148.94	140.94	97.01	1,422.03	-4,502.53	2,283.08	1,995.87	287.21	7.949		
12,000.00	6,803.45	11,521.02	7,035.97	151.74	138.21	97.02	1,421.28	-4,588.68	2,281.39	1,994.05	287.35	7.940		
12,100.00	6,802.03	11,449.09	7,033.97	154.53	134.18	97.03	1,420.50	-4,716.39	2,280.02	1,994.20	285.83	7.977		
12,200.00	6,800.61	11,377.06	7,031.97	157.32	130.37	97.03	1,417.65	-4,838.12	2,276.75	1,992.22	284.53	8.002		
12,300.00	6,799.18	11,305.03	7,030.51	160.12	127.38	97.04	1,415.13	-4,933.84	2,273.24	1,988.92	284.32	7.995		
12,400.00	6,797.76	11,233.00	7,022.44	162.92	115.69	97.08	1,384.27	-5,319.95	2,266.75	1,996.65	270.10	8.392		
12,500.00	6,796.34	11,161.07	7,021.68	165.72	113.76	97.12	1,375.00	-5,386.05	2,251.90	1,980.36	271.55	8.293		
12,600.00	6,794.92	11,089.04	7,021.26	168.53	112.05	97.15	1,367.69	-5,444.76	2,238.59	1,965.24	273.35	8.189		
12,700.00	6,793.49	11,017.01	7,020.89	171.33	110.29	97.19	1,360.70	-5,504.62	2,226.43	1,951.38	275.05	8.095		
12,800.00	6,792.07	10,945.08	7,021.27	174.14	108.38	97.24	1,354.96	-5,569.93	2,216.77	1,940.35	276.43	8.019		
12,900.00	6,790.65	10,873.05	7,021.79	176.95	107.25	97.28	1,352.41	-5,608.07	2,208.98	1,929.96	279.02	7.917		
13,000.00	6,789.22	10,801.02	7,022.98	179.76	105.05	97.36	1,348.17	-5,682.89	2,202.84	1,923.00	279.83	7.872		
13,100.00	6,787.80	10,729.09	7,024.60	182.57	102.51	97.45	1,343.75	-5,769.37	2,197.33	1,917.22	280.11	7.844		
13,200.00	6,786.38	10,657.06	7,025.79	185.38	100.75	97.51	1,341.49	-5,829.45	2,193.18	1,911.66	281.52	7.790		
13,300.00	6,784.95	10,585.03	7,026.87	188.20	99.10	97.56	1,340.45	-5,885.36	2,190.90	1,907.88	283.02	7.741		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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 - Orr 36C-32-M - OH - OH		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	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)					
13,359.01	6,784.11	9,863.30	7,027.49	189.86	98.16	97.59	1,340.39	-5,917.20	2,190.53	1,906.64	283.90	7.716				
13,400.00	6,783.53	9,839.00	7,027.96	191.01	97.45	97.61	1,340.61	-5,941.50	2,190.71	1,906.31	284.41	7.703				
13,500.00	6,782.11	9,780.87	7,029.06	193.83	95.73	97.66	1,341.93	-5,999.60	2,192.48	1,906.85	285.63	7.676				
13,600.00	6,780.68	9,711.85	7,030.24	196.65	93.69	97.71	1,344.72	-6,068.55	2,195.98	1,909.57	286.40	7.667				
13,700.00	6,779.26	9,634.09	7,030.72	199.47	91.40	97.74	1,348.74	-6,146.20	2,200.50	1,913.64	286.87	7.671				
13,800.00	6,777.84	9,567.10	7,030.83	202.29	89.43	97.75	1,353.13	-6,213.05	2,206.34	1,918.70	287.64	7.671				
13,900.00	6,776.42	9,399.00	7,030.96	205.11	84.59	97.79	1,363.36	-6,380.83	2,211.91	1,926.57	285.33	7.752				
14,000.00	6,774.99	9,259.83	7,030.33	207.93	80.71	97.81	1,367.60	-6,519.94	2,214.03	1,930.14	283.89	7.799				
14,100.00	6,773.57	9,192.71	7,029.67	210.76	78.88	97.81	1,369.82	-6,587.01	2,216.50	1,931.65	284.85	7.781				
14,200.00	6,772.15	8,985.46	7,028.03	213.58	73.47	97.84	1,373.83	-6,794.19	2,217.97	1,936.81	281.17	7.888				
14,300.00	6,770.72	8,741.11	7,025.60	216.40	67.90	97.91	1,362.23	-7,038.20	2,211.52	1,935.80	275.72	8.021				
14,400.00	6,769.30	8,651.38	7,025.68	219.23	66.09	97.98	1,355.56	-7,127.67	2,203.50	1,927.20	276.30	7.975				
14,500.00	6,767.88	8,491.07	7,027.05	222.06	63.25	98.12	1,342.33	-7,287.43	2,194.96	1,920.82	274.14	8.007				
14,600.00	6,766.45	8,364.24	7,028.12	224.89	61.40	98.25	1,328.63	-7,413.51	2,183.64	1,910.19	273.46	7.985				
14,700.00	6,765.03	8,266.82	7,029.01	227.71	60.20	98.36	1,317.65	-7,510.30	2,171.95	1,897.87	274.08	7.925				
14,800.00	6,763.61	8,182.99	7,029.70	230.54	59.32	98.45	1,308.55	-7,593.64	2,160.66	1,885.35	275.31	7.848				
14,900.00	6,762.19	8,105.87	7,030.34	233.37	58.61	98.52	1,300.88	-7,670.37	2,150.27	1,873.42	276.85	7.767				
15,000.00	6,760.76	7,984.60	7,031.09	236.20	57.70	98.64	1,289.66	-7,791.12	2,140.69	1,863.68	277.01	7.728				
15,100.00	6,759.34	7,838.44	7,029.98	239.03	56.95	98.74	1,273.03	-7,936.31	2,128.61	1,851.92	276.69	7.693				
15,200.00	6,757.92	7,774.00	7,026.59	241.86	56.72	98.71	1,265.16	-8,000.17	2,115.54	1,836.46	279.09	7.580				
15,300.00	6,756.49	7,719.61	7,021.38	244.70	56.51	98.61	1,259.92	-8,054.05	2,104.49	1,822.69	281.80	7.468				
15,334.64	6,756.00	7,681.00	7,016.18	245.68	56.39	98.49	1,258.03	-8,092.26	2,101.95	1,819.69	282.26	7.447				
15,335.52	6,755.99	7,681.00	7,016.18	245.70	56.39	98.49	1,258.03	-8,092.26	2,101.86	1,819.57	282.30	7.446	CC, ES			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-71.14	2,761.15	-8,085.33	8,822.65					
100.00	100.00	2,288.46	2,205.93	3.28	15.08	-71.23	2,745.51	-8,078.06	8,797.85	8,780.95	16.90	520.526		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-71.30	2,732.77	-8,072.71	8,773.81	8,756.61	17.20	510.061		
300.00	300.00	2,364.41	2,277.10	3.44	15.71	-71.36	2,720.92	-8,068.09	8,750.44	8,732.90	17.54	498.971		
400.00	399.98	2,418.00	2,327.31	3.60	16.16	158.60	2,703.34	-8,061.66	8,729.28	8,711.24	18.03	484.022		
500.00	499.84	2,469.96	2,375.99	3.79	16.59	158.64	2,686.17	-8,055.74	8,711.84	8,693.27	18.56	469.265		
600.00	599.45	2,686.00	2,578.52	4.03	18.39	158.40	2,615.45	-8,030.15	8,697.73	8,677.40	20.33	427.781		
700.00	698.70	2,725.73	2,615.78	4.30	18.73	158.43	2,602.63	-8,025.10	8,686.00	8,665.14	20.86	416.332		
785.00	782.69	2,775.00	2,662.03	4.56	19.14	158.41	2,586.68	-8,019.28	8,679.18	8,657.73	21.46	404.474		
800.00	797.47	2,775.00	2,662.03	4.60	19.14	158.41	2,586.68	-8,019.28	8,678.21	8,656.71	21.50	403.599		
900.00	896.04	2,805.22	2,690.41	4.94	19.39	158.37	2,576.83	-8,015.95	8,672.25	8,650.21	22.04	393.407		
1,000.00	994.61	2,865.00	2,746.50	5.30	19.89	158.28	2,557.08	-8,009.85	8,667.00	8,644.17	22.83	379.673		
1,100.00	1,093.18	2,931.31	2,808.69	5.69	20.44	158.18	2,534.99	-8,003.44	8,662.20	8,638.51	23.69	365.722		
1,200.00	1,191.75	3,037.20	2,908.01	6.08	21.33	158.02	2,499.73	-7,993.12	8,657.47	8,632.61	24.86	348.316		
1,300.00	1,290.32	3,121.70	2,987.26	6.49	22.03	157.90	2,471.61	-7,984.89	8,652.80	8,626.92	25.88	334.313		
1,400.00	1,388.89	3,318.61	3,171.94	6.91	23.69	157.60	2,406.31	-7,964.78	8,647.89	8,620.13	27.76	311.538		
1,500.00	1,487.46	3,363.09	3,213.66	7.34	24.07	157.54	2,391.64	-7,960.07	8,642.62	8,614.11	28.51	303.131		
1,600.00	1,586.03	3,994.19	3,805.48	7.77	29.44	156.71	2,192.64	-7,871.13	8,634.47	8,601.04	33.43	258.305		
1,700.00	1,684.61	4,028.00	3,837.19	8.22	29.73	156.68	2,182.55	-7,865.17	8,623.85	8,589.74	34.11	252.831		
1,800.00	1,783.18	4,062.18	3,869.28	8.66	30.02	156.64	2,172.26	-7,859.43	8,613.98	8,579.18	34.80	247.495		
1,900.00	1,881.75	4,117.00	3,920.77	9.11	30.49	156.57	2,155.41	-7,851.12	8,605.14	8,569.50	35.65	241.392		
2,000.00	1,980.32	4,117.00	3,920.77	9.57	30.49	156.57	2,155.41	-7,851.12	8,596.82	8,560.70	36.12	238.029		
2,100.00	2,078.89	4,165.81	3,966.62	10.02	30.90	156.50	2,140.05	-7,844.40	8,589.39	8,552.45	36.94	232.535		
2,200.00	2,177.46	4,226.17	4,023.22	10.49	31.42	156.42	2,120.61	-7,836.60	8,582.52	8,544.67	37.85	226.758		
2,300.00	2,276.03	4,342.32	4,132.11	10.95	32.42	156.26	2,083.03	-7,821.72	8,575.81	8,536.63	39.18	218.901		
2,400.00	2,374.60	4,699.27	4,466.78	11.41	35.49	155.79	1,970.29	-7,769.97	8,568.49	8,526.28	42.21	203.015		
2,500.00	2,473.17	4,779.33	4,541.83	11.88	36.19	155.69	1,945.83	-7,756.59	8,558.76	8,515.50	43.25	197.868		
2,600.00	2,571.74	4,833.00	4,592.12	12.35	36.65	155.62	1,929.20	-7,747.98	8,549.54	8,505.41	44.13	193.747		
2,700.00	2,670.31	4,903.34	4,658.02	12.82	37.26	155.53	1,907.14	-7,737.09	8,540.78	8,495.65	45.13	189.268		
2,800.00	2,768.88	4,988.16	4,737.47	13.29	38.00	155.42	1,880.35	-7,724.23	8,532.30	8,486.06	46.23	184.558		
2,900.00	2,867.45	5,050.58	4,795.94	13.76	38.54	155.33	1,860.62	-7,714.89	8,524.07	8,476.89	47.18	180.666		
3,000.00	2,966.02	5,102.00	4,844.14	14.24	38.98	155.26	1,844.31	-7,707.50	8,516.40	8,468.34	48.06	177.221		
3,100.00	3,064.59	5,166.03	4,904.20	14.71	39.54	155.18	1,823.96	-7,698.62	8,509.23	8,460.21	49.02	173.576		
3,200.00	3,163.16	5,229.58	4,963.84	15.19	40.08	155.09	1,803.77	-7,690.07	8,502.51	8,452.52	49.99	170.089		
3,300.00	3,261.73	5,295.22	5,025.53	15.66	40.64	155.00	1,783.03	-7,681.46	8,496.22	8,445.25	50.97	166.687		
3,400.00	3,360.30	5,370.00	5,095.76	16.14	41.28	154.90	1,759.15	-7,672.01	8,490.31	8,438.28	52.02	163.198		
3,500.00	3,458.87	5,428.25	5,150.45	16.62	41.78	154.81	1,740.40	-7,664.91	8,484.80	8,431.84	52.96	160.208		
3,600.00	3,557.44	5,500.07	5,217.94	17.10	42.39	154.71	1,717.33	-7,656.44	8,479.74	8,425.74	54.00	157.037		
3,700.00	3,656.01	5,642.87	5,352.23	17.58	43.60	154.51	1,671.85	-7,639.44	8,474.79	8,419.22	55.56	152.528		
3,800.00	3,754.58	5,675.57	5,382.95	18.06	43.88	154.46	1,661.35	-7,635.59	8,469.82	8,413.50	56.31	150.405		
3,900.00	3,853.15	5,728.00	5,432.23	18.54	44.32	154.39	1,644.35	-7,629.92	8,465.66	8,408.44	57.21	147.968		
4,000.00	3,951.72	5,997.00	5,684.71	19.02	46.62	154.00	1,557.20	-7,598.22	8,460.85	8,401.10	59.75	141.612		
4,100.00	4,050.29	6,047.80	5,732.43	19.50	47.06	153.92	1,541.09	-7,591.61	8,455.11	8,394.47	60.64	139.436		
4,200.00	4,148.86	6,086.00	5,768.33	19.98	47.38	153.87	1,528.87	-7,587.00	8,450.14	8,388.70	61.43	137.546		
4,300.00	4,247.43	6,321.95	5,989.77	20.46	49.41	153.54	1,453.59	-7,556.00	8,443.48	8,379.78	63.70	132.543		
4,400.00	4,346.00	6,355.00	6,020.78	20.94	49.70	153.49	1,443.00	-7,551.72	8,437.74	8,373.28	64.47	130.880		
4,500.00	4,444.58	6,355.00	6,020.78	21.43	49.70	153.49	1,443.00	-7,551.72	8,432.98	8,368.00	64.99	129.767		
4,600.00	4,543.15	6,410.50	6,072.86	21.91	50.17	153.41	1,424.92	-7,545.31	8,428.79	8,362.86	65.92	127.857		
4,700.00	4,641.72	6,445.00	6,105.23	22.39	50.47	153.36	1,413.50	-7,541.82	8,425.59	8,358.89	66.70	126.323		
4,800.00	4,740.29	6,476.09	6,134.43	22.87	50.73	153.31	1,403.22	-7,538.92	8,423.19	8,355.75	67.44	124.892		
4,900.00	4,838.86	6,534.00	6,188.96	23.36	51.21	153.22	1,384.40	-7,533.90	8,421.60	8,353.21	68.40	123.128		
5,000.00	4,937.43	6,534.00	6,188.96	23.84	51.21	153.22	1,384.40	-7,533.90	8,420.70	8,351.81	68.89	122.236		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
5,026.28	4,963.33	6,534.00	6,188.96	23.97	51.21	153.22	1,384.40	-7,533.90	8,420.66	8,351.64	69.02	122.010		
5,100.00	5,036.00	6,534.00	6,188.96	24.32	51.21	153.22	1,384.40	-7,533.90	8,420.98	8,351.61	69.37	121.391		
5,200.00	5,134.57	6,534.00	6,188.96	24.81	51.21	153.22	1,384.40	-7,533.90	8,422.45	8,352.60	69.84	120.590		
5,300.00	5,233.14	6,577.09	6,229.65	25.29	51.55	153.16	1,370.47	-7,531.16	8,424.23	8,353.57	70.66	119.221		
5,400.00	5,331.71	6,624.00	6,273.97	25.78	51.92	153.08	1,355.18	-7,529.99	8,428.07	8,356.56	71.51	117.862		
5,500.00	5,430.28	6,624.00	6,273.97	26.26	51.92	153.08	1,355.18	-7,529.99	8,432.06	8,360.10	71.96	117.176		
5,600.00	5,528.85	6,624.00	6,273.97	26.75	51.92	153.08	1,355.18	-7,529.99	8,437.23	8,364.83	72.40	116.531		
5,700.00	5,627.42	6,624.00	6,273.97	27.23	51.92	153.08	1,355.18	-7,529.99	8,443.58	8,370.75	72.84	115.926		
5,800.00	5,725.99	6,624.00	6,273.97	27.72	51.92	153.08	1,355.18	-7,529.99	8,451.12	8,377.86	73.26	115.361		
5,900.00	5,824.56	6,624.00	6,273.97	28.20	51.92	153.08	1,355.18	-7,529.99	8,459.82	8,386.15	73.67	114.835		
6,000.00	5,923.13	6,624.00	6,273.97	28.69	51.92	153.08	1,355.18	-7,529.99	8,469.70	8,395.63	74.07	114.346		
6,100.00	6,021.70	6,624.00	6,273.97	29.17	51.92	153.08	1,355.18	-7,529.99	8,480.75	8,406.29	74.46	113.895		
6,200.00	6,120.27	6,624.00	6,273.97	29.66	51.92	153.08	1,355.18	-7,529.99	8,492.96	8,418.12	74.84	113.481		
6,238.51	6,158.23	6,665.91	6,313.56	29.84	52.21	153.01	1,341.48	-7,531.04	8,496.65	8,421.29	75.36	112.747		
6,250.00	6,169.57	6,666.77	6,314.37	29.90	52.22	148.56	1,341.20	-7,531.09	8,498.02	8,422.61	75.41	112.691		
6,300.00	6,219.12	6,670.54	6,317.93	30.13	52.24	119.51	1,339.97	-7,531.31	8,501.85	8,426.23	75.62	112.428		
6,350.00	6,268.78	6,714.00	6,358.83	30.33	52.54	81.73	1,325.86	-7,535.32	8,503.35	8,427.18	76.17	111.633		
6,400.00	6,318.25	6,714.00	6,358.83	30.52	52.54	57.02	1,325.86	-7,535.32	8,499.93	8,423.62	76.31	111.391		
6,450.00	6,367.22	6,714.00	6,358.83	30.69	52.54	44.47	1,325.86	-7,535.32	8,493.04	8,416.62	76.42	111.137		
6,500.00	6,415.39	6,714.00	6,358.83	30.86	52.54	37.71	1,325.86	-7,535.32	8,482.70	8,406.19	76.51	110.870		
6,550.00	6,462.47	6,714.00	6,358.83	31.02	52.54	33.76	1,325.86	-7,535.32	8,468.97	8,392.39	76.58	110.587		
6,600.00	6,508.16	6,714.00	6,358.83	31.18	52.54	31.36	1,325.86	-7,535.32	8,451.92	8,375.28	76.63	110.288		
6,650.00	6,552.18	6,714.00	6,358.83	31.34	52.54	29.92	1,325.86	-7,535.32	8,431.63	8,354.96	76.67	109.973		
6,700.00	6,594.26	6,714.00	6,358.83	31.51	52.54	29.15	1,325.86	-7,535.32	8,408.20	8,331.51	76.69	109.640		
6,750.00	6,634.14	6,714.00	6,358.83	31.68	52.54	28.90	1,325.86	-7,535.32	8,381.76	8,305.06	76.69	109.288		
6,800.00	6,671.58	6,714.00	6,358.83	31.86	52.54	29.10	1,325.86	-7,535.32	8,352.43	8,275.75	76.69	108.915		
6,850.00	6,706.34	6,714.00	6,358.83	32.06	52.54	29.71	1,325.86	-7,535.32	8,320.38	8,243.71	76.67	108.521		
6,900.00	6,738.21	6,714.00	6,358.83	32.27	52.54	30.76	1,325.86	-7,535.32	8,285.76	8,209.11	76.65	108.103		
6,950.00	6,766.99	6,714.00	6,358.83	32.52	52.54	32.30	1,325.86	-7,535.32	8,248.76	8,172.14	76.62	107.660		
7,000.00	6,792.51	6,714.00	6,358.83	32.80	52.54	34.42	1,325.86	-7,535.32	8,209.58	8,132.99	76.59	107.190		
7,050.00	6,814.61	6,714.00	6,358.83	33.12	52.54	37.26	1,325.86	-7,535.32	8,168.43	8,091.87	76.56	106.693		
7,100.00	6,833.15	6,714.00	6,358.83	33.48	52.54	41.04	1,325.86	-7,535.32	8,125.53	8,048.99	76.53	106.168		
7,150.00	6,848.02	6,714.00	6,358.83	33.89	52.54	46.08	1,325.86	-7,535.32	8,081.12	8,004.60	76.52	105.614		
7,200.00	6,859.13	6,714.00	6,358.83	34.35	52.54	52.81	1,325.86	-7,535.32	8,035.46	7,958.95	76.51	105.031		
7,250.00	6,866.40	6,714.00	6,358.83	34.86	52.54	61.76	1,325.86	-7,535.32	7,988.80	7,912.30	76.51	104.421		
7,300.00	6,869.79	6,714.00	6,358.83	35.40	52.54	73.38	1,325.86	-7,535.32	7,941.43	7,864.91	76.52	103.784		
7,327.68	6,870.00	6,714.00	6,358.83	35.71	52.54	80.94	1,325.86	-7,535.32	7,914.99	7,838.46	76.53	103.419		
7,400.00	6,868.97	6,714.00	6,358.83	36.61	52.54	80.94	1,325.86	-7,535.32	7,845.83	7,769.25	76.58	102.453		
7,500.00	6,867.54	6,714.00	6,358.83	38.01	52.54	80.94	1,325.86	-7,535.32	7,750.28	7,673.61	76.67	101.089		
7,600.00	6,866.12	6,714.00	6,358.83	39.58	52.54	80.94	1,325.86	-7,535.32	7,654.84	7,578.06	76.78	99.693		
7,700.00	6,864.69	6,714.00	6,358.83	41.29	52.54	80.94	1,325.86	-7,535.32	7,559.53	7,482.60	76.93	98.263		
7,800.00	6,863.27	6,714.00	6,358.83	43.12	52.54	80.94	1,325.86	-7,535.32	7,464.33	7,387.22	77.11	96.800		
7,900.00	6,861.85	6,714.00	6,358.83	45.06	52.54	80.94	1,325.86	-7,535.32	7,369.27	7,291.94	77.32	95.304		
8,000.00	6,860.42	6,714.00	6,358.83	47.10	52.54	80.94	1,325.86	-7,535.32	7,274.33	7,196.76	77.57	93.775		
8,100.00	6,859.00	6,714.00	6,358.83	49.21	52.54	80.94	1,325.86	-7,535.32	7,179.54	7,101.68	77.86	92.215		
8,200.00	6,857.57	6,714.00	6,358.83	51.40	52.54	80.94	1,325.86	-7,535.32	7,084.88	7,006.70	78.18	90.624		
8,300.00	6,856.15	6,714.00	6,358.83	53.65	52.54	80.94	1,325.86	-7,535.32	6,990.38	6,911.84	78.54	89.003		
8,400.00	6,854.72	6,714.00	6,358.83	55.96	52.54	80.94	1,325.86	-7,535.32	6,896.03	6,817.08	78.94	87.353		
8,500.00	6,853.30	6,714.00	6,358.83	58.31	52.54	80.94	1,325.86	-7,535.32	6,801.84	6,722.45	79.39	85.676		
8,600.00	6,851.88	6,714.00	6,358.83	60.70	52.54	80.94	1,325.86	-7,535.32	6,707.82	6,627.94	79.88	83.974		
8,700.00	6,850.45	6,714.00	6,358.83	63.14	52.54	80.94	1,325.86	-7,535.32	6,613.98	6,533.56	80.41	82.249		
8,800.00	6,849.03	6,714.00	6,358.83	65.60	52.54	80.94	1,325.86	-7,535.32	6,520.31	6,439.32	81.00	80.502		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,714.00	6,358.83	68.10	52.54	80.94	1,325.86	-7,535.32	6,426.84	6,345.22	81.63	78.736		
9,000.00	6,846.18	6,752.88	6,395.23	70.62	52.76	81.79	1,313.48	-7,541.09	6,332.46	6,249.82	82.64	76.631		
9,100.00	6,844.75	6,754.72	6,396.95	73.17	52.77	81.84	1,312.90	-7,541.41	6,239.29	6,155.91	83.38	74.833		
9,200.00	6,843.33	6,756.62	6,398.72	75.73	52.78	81.88	1,312.30	-7,541.75	6,146.32	6,062.16	84.17	73.024		
9,300.00	6,841.91	6,758.57	6,400.54	78.32	52.79	81.92	1,311.69	-7,542.10	6,053.58	5,968.57	85.01	71.207		
9,400.00	6,840.48	6,760.58	6,402.41	80.92	52.80	81.97	1,311.07	-7,542.47	5,961.07	5,875.15	85.91	69.384		
9,500.00	6,839.06	6,762.65	6,404.34	83.54	52.82	82.01	1,310.42	-7,542.85	5,868.79	5,781.92	86.87	67.558		
9,600.00	6,837.63	6,803.00	6,441.77	86.18	53.04	82.91	1,298.05	-7,551.43	5,777.85	5,689.67	88.17	65.528		
9,700.00	6,836.21	6,803.00	6,441.77	88.82	53.04	82.91	1,298.05	-7,551.43	5,685.96	5,596.74	89.22	63.727		
9,800.00	6,834.78	6,803.00	6,441.77	91.48	53.04	82.91	1,298.05	-7,551.43	5,594.36	5,504.03	90.33	61.930		
9,900.00	6,833.36	6,803.00	6,441.77	94.15	53.04	82.91	1,298.05	-7,551.43	5,503.05	5,411.54	91.51	60.138		
10,000.00	6,831.94	6,803.00	6,441.77	96.83	53.04	82.91	1,298.05	-7,551.43	5,412.04	5,319.30	92.74	58.355		
10,100.00	6,830.51	6,803.00	6,441.77	99.52	53.04	82.91	1,298.05	-7,551.43	5,321.36	5,227.31	94.05	56.582		
10,200.00	6,829.09	6,803.00	6,441.77	102.22	53.04	82.91	1,298.05	-7,551.43	5,231.02	5,135.60	95.42	54.823		
10,300.00	6,827.66	6,803.00	6,441.77	104.92	53.04	82.91	1,298.05	-7,551.43	5,141.03	5,044.18	96.86	53.078		
10,400.00	6,826.24	6,803.00	6,441.77	107.63	53.04	82.91	1,298.05	-7,551.43	5,051.42	4,953.06	98.37	51.351		
10,500.00	6,824.81	6,803.00	6,441.77	110.35	53.04	82.91	1,298.05	-7,551.43	4,962.21	4,862.26	99.96	49.644		
10,600.00	6,823.39	6,803.00	6,441.77	113.08	53.04	82.91	1,298.05	-7,551.43	4,873.42	4,771.80	101.62	47.958		
10,700.00	6,821.96	6,803.00	6,441.77	115.81	53.04	82.91	1,298.05	-7,551.43	4,785.07	4,681.71	103.36	46.295		
10,800.00	6,820.54	6,803.00	6,441.77	118.54	53.04	82.91	1,298.05	-7,551.43	4,697.19	4,592.00	105.18	44.657		
10,900.00	6,819.12	6,803.00	6,441.77	121.29	53.04	82.91	1,298.05	-7,551.43	4,609.80	4,502.71	107.09	43.045		
11,000.00	6,817.69	6,803.00	6,441.77	124.03	53.04	82.91	1,298.05	-7,551.43	4,522.93	4,413.84	109.09	41.461		
11,100.00	6,816.27	6,803.00	6,441.77	126.78	53.04	82.91	1,298.05	-7,551.43	4,436.62	4,325.45	111.17	39.907		
11,200.00	6,814.84	6,803.00	6,441.77	129.54	53.04	82.91	1,298.05	-7,551.43	4,350.89	4,237.54	113.35	38.384		
11,300.00	6,813.42	6,803.00	6,441.77	132.29	53.04	82.91	1,298.05	-7,551.43	4,265.79	4,150.16	115.63	36.892		
11,400.00	6,811.99	6,803.00	6,441.77	135.05	53.04	82.91	1,298.05	-7,551.43	4,181.34	4,063.34	118.00	35.434		
11,500.00	6,810.57	6,803.00	6,441.77	137.82	53.04	82.91	1,298.05	-7,551.43	4,097.59	3,977.11	120.48	34.009		
11,534.42	6,810.08	6,803.00	6,441.77	138.77	53.04	82.91	1,298.05	-7,551.43	4,068.94	3,947.57	121.36	33.527		
11,600.00	6,809.15	6,803.00	6,441.77	140.59	53.04	82.68	1,298.05	-7,551.43	4,014.18	3,891.14	123.04	32.624		
11,645.35	6,808.50	6,803.00	6,441.77	141.85	53.04	82.51	1,298.05	-7,551.43	3,976.02	3,851.82	124.20	32.013		
11,700.00	6,807.72	6,803.00	6,441.77	143.37	53.04	82.51	1,298.05	-7,551.43	3,930.01	3,804.40	125.60	31.289		
11,800.00	6,806.30	6,841.08	6,476.72	146.16	53.21	83.41	1,286.64	-7,561.34	3,845.47	3,717.12	128.36	29.960		
11,900.00	6,804.88	6,846.65	6,481.80	148.94	53.23	83.54	1,284.98	-7,562.93	3,762.37	3,631.24	131.13	28.692		
12,000.00	6,803.45	6,852.50	6,487.11	151.74	53.26	83.68	1,283.24	-7,564.63	3,680.07	3,546.05	134.02	27.458		
12,100.00	6,802.03	6,858.64	6,492.68	154.53	53.29	83.83	1,281.42	-7,566.46	3,598.62	3,461.58	137.04	26.260		
12,200.00	6,800.61	6,892.00	6,522.72	157.32	53.44	84.62	1,271.59	-7,577.15	3,518.53	3,378.34	140.19	25.099		
12,300.00	6,799.18	6,892.00	6,522.72	160.12	53.44	84.62	1,271.59	-7,577.15	3,438.74	3,295.30	143.45	23.972		
12,400.00	6,797.76	6,892.00	6,522.72	162.92	53.44	84.62	1,271.59	-7,577.15	3,360.04	3,213.20	146.85	22.881		
12,500.00	6,796.34	6,892.00	6,522.72	165.72	53.44	84.62	1,271.59	-7,577.15	3,282.50	3,132.11	150.39	21.827		
12,600.00	6,794.92	6,892.00	6,522.72	168.53	53.44	84.62	1,271.59	-7,577.15	3,206.20	3,052.13	154.08	20.809		
12,700.00	6,793.49	6,892.00	6,522.72	171.33	53.44	84.62	1,271.59	-7,577.15	3,131.24	2,973.32	157.92	19.828		
12,800.00	6,792.07	6,892.00	6,522.72	174.14	53.44	84.62	1,271.59	-7,577.15	3,057.71	2,895.80	161.91	18.885		
12,900.00	6,790.65	6,892.00	6,522.72	176.95	53.44	84.62	1,271.59	-7,577.15	2,985.72	2,819.67	166.06	17.980		
13,000.00	6,789.22	6,926.11	6,552.91	179.76	53.56	85.42	1,261.65	-7,589.51	2,914.57	2,744.29	170.28	17.117		
13,100.00	6,787.80	6,935.49	6,561.10	182.57	53.59	85.64	1,258.94	-7,593.19	2,845.51	2,670.81	174.70	16.288		
13,200.00	6,786.38	6,945.53	6,569.82	185.38	53.63	85.88	1,256.05	-7,597.26	2,778.20	2,598.93	179.27	15.497		
13,300.00	6,784.95	6,982.00	6,600.94	188.20	53.76	86.72	1,245.67	-7,613.17	2,713.20	2,529.37	183.83	14.759		
13,400.00	6,783.53	6,982.00	6,600.94	191.01	53.76	86.72	1,245.67	-7,613.17	2,649.42	2,460.68	188.75	14.037		
13,500.00	6,782.11	6,982.00	6,600.94	193.83	53.76	86.72	1,245.67	-7,613.17	2,587.94	2,394.13	193.81	13.353		
13,600.00	6,780.68	6,982.00	6,600.94	196.65	53.76	86.72	1,245.67	-7,613.17	2,528.92	2,329.91	199.01	12.708		
13,700.00	6,779.26	6,982.00	6,600.94	199.47	53.76	86.72	1,245.67	-7,613.17	2,472.53	2,268.21	204.33	12.101		
13,800.00	6,777.84	7,014.77	6,628.09	202.29	53.84	87.47	1,236.63	-7,629.13	2,418.10	2,208.59	209.51	11.541		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	
13,900.00	6,776.42	7,028.07	6,638.84	205.11	53.87	87.77	1,233.08	-7,636.10	2,366.74	2,151.81	214.92	11.012	
14,000.00	6,774.99	7,071.00	6,672.42	207.93	53.98	88.71	1,222.12	-7,660.48	2,318.87	2,098.80	220.06	10.537	
14,100.00	6,773.57	7,071.00	6,672.42	210.76	53.98	88.71	1,222.12	-7,660.48	2,272.87	2,047.15	225.72	10.069	
14,200.00	6,772.15	7,071.00	6,672.42	213.58	53.98	88.71	1,222.12	-7,660.48	2,230.40	1,999.01	231.39	9.639	
14,300.00	6,770.72	7,071.00	6,672.42	216.40	53.98	88.71	1,222.12	-7,660.48	2,191.68	1,954.65	237.04	9.246	
14,400.00	6,769.30	7,111.67	6,702.61	219.23	54.03	89.57	1,212.64	-7,686.02	2,155.66	1,913.47	242.19	8.901	
14,500.00	6,767.88	7,132.21	6,717.24	222.06	54.06	89.99	1,208.25	-7,699.74	2,123.52	1,876.06	247.45	8.581	
14,600.00	6,766.45	7,161.00	6,737.02	224.89	54.09	90.56	1,202.56	-7,719.87	2,095.00	1,842.51	252.49	8.297	
14,700.00	6,765.03	7,161.00	6,737.02	227.71	54.09	90.56	1,202.56	-7,719.87	2,070.30	1,812.61	257.70	8.034	
14,800.00	6,763.61	7,207.66	6,767.27	230.54	54.10	91.44	1,194.47	-7,754.45	2,048.81	1,786.60	262.20	7.814	
14,900.00	6,762.19	7,250.00	6,792.75	233.37	54.12	92.18	1,188.32	-7,787.70	2,031.26	1,764.74	266.52	7.621	
15,000.00	6,760.76	7,250.00	6,792.75	236.20	54.12	92.18	1,188.32	-7,787.70	2,017.36	1,746.36	271.00	7.444	
15,100.00	6,759.34	7,298.77	6,819.62	239.03	54.08	92.97	1,182.86	-7,828.02	2,006.80	1,731.98	274.82	7.302	
15,200.00	6,757.92	7,340.00	6,840.15	241.86	54.06	93.58	1,179.76	-7,863.63	2,000.10	1,721.67	278.43	7.183	
15,300.00	6,756.49	7,374.03	6,855.47	244.70	54.01	94.04	1,178.09	-7,893.96	1,996.72	1,714.86	281.86	7.084	
15,334.64	6,756.00	7,390.27	6,862.23	245.68	53.99	94.24	1,177.52	-7,908.71	1,996.26	1,713.28	282.98	7.054	
15,335.52	6,755.99	7,390.69	6,862.40	245.70	53.99	94.24	1,177.51	-7,909.10	1,996.25	1,713.24	283.01	7.054 CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-86.09	508.59	-7,433.02	7,450.41					
100.00	100.00	87.00	87.00	3.28	3.61	-86.09	508.59	-7,433.02	7,450.40	7,443.50	6.90	1,079.894		
200.00	200.00	187.00	187.00	3.34	5.80	-86.09	508.59	-7,433.02	7,450.40	7,441.26	9.14	815.465		
300.00	300.00	287.00	287.00	3.44	8.90	-86.09	508.59	-7,433.02	7,450.40	7,438.05	12.35	603.514		
400.00	399.98	386.98	386.98	3.60	12.21	143.81	508.59	-7,433.02	7,451.80	7,435.99	15.81	471.343		
500.00	499.84	486.84	486.84	3.79	15.60	143.78	508.59	-7,433.02	7,456.03	7,436.64	19.39	384.549		
600.00	599.45	586.45	586.45	4.03	19.01	143.74	508.59	-7,433.02	7,463.07	7,440.03	23.04	323.947		
700.00	698.70	685.70	685.70	4.30	22.43	143.67	508.59	-7,433.02	7,472.92	7,446.19	26.73	279.564		
785.00	782.69	769.69	769.69	4.56	25.34	143.61	508.59	-7,433.02	7,483.49	7,453.60	29.89	250.352		
800.00	797.47	784.47	784.47	4.60	25.85	143.62	508.59	-7,433.02	7,485.54	7,455.08	30.45	245.806		
900.00	896.04	883.04	883.04	4.94	29.27	143.69	508.59	-7,433.02	7,499.18	7,464.98	34.19	219.308		
1,000.00	994.61	981.61	981.61	5.30	32.69	143.77	508.59	-7,433.02	7,512.83	7,474.86	37.96	197.896		
1,100.00	1,093.18	1,080.18	1,080.18	5.69	36.11	143.84	508.59	-7,433.02	7,526.49	7,484.74	41.75	180.258		
1,200.00	1,191.75	1,178.75	1,178.75	6.08	39.54	143.92	508.59	-7,433.02	7,540.17	7,494.61	45.56	165.493		
1,300.00	1,290.32	1,277.32	1,277.32	6.49	42.97	143.99	508.59	-7,433.02	7,553.86	7,504.48	49.38	152.962		
1,400.00	1,388.89	1,375.89	1,375.89	6.91	46.40	144.07	508.59	-7,433.02	7,567.57	7,514.35	53.22	142.201		
1,500.00	1,487.46	1,474.46	1,474.46	7.34	49.84	144.14	508.59	-7,433.02	7,581.28	7,524.22	57.06	132.863		
1,600.00	1,586.03	1,573.03	1,573.03	7.77	53.27	144.22	508.59	-7,433.02	7,595.01	7,534.10	60.91	124.689		
1,700.00	1,684.61	1,671.61	1,671.61	8.22	56.71	144.29	508.59	-7,433.02	7,608.75	7,543.98	64.77	117.474		
1,800.00	1,783.18	1,770.18	1,770.18	8.66	60.14	144.37	508.59	-7,433.02	7,622.51	7,553.88	68.63	111.062		
1,900.00	1,881.75	1,868.75	1,868.75	9.11	63.58	144.44	508.59	-7,433.02	7,636.28	7,563.77	72.50	105.326		
2,000.00	1,980.32	1,967.32	1,967.32	9.57	67.01	144.51	508.59	-7,433.02	7,650.05	7,573.68	76.37	100.166		
2,100.00	2,078.89	2,065.89	2,065.89	10.02	70.45	144.58	508.59	-7,433.02	7,663.85	7,583.60	80.25	95.500		
2,200.00	2,177.46	2,164.46	2,164.46	10.49	73.89	144.66	508.59	-7,433.02	7,677.65	7,593.52	84.13	91.261		
2,300.00	2,276.03	2,263.03	2,263.03	10.95	77.33	144.73	508.59	-7,433.02	7,691.46	7,603.45	88.01	87.393		
2,400.00	2,374.60	2,361.60	2,361.60	11.41	80.76	144.80	508.59	-7,433.02	7,705.29	7,613.40	91.89	83.849		
2,500.00	2,473.17	2,460.17	2,460.17	11.88	84.20	144.87	508.59	-7,433.02	7,719.13	7,623.35	95.78	80.592		
2,600.00	2,571.74	2,558.74	2,558.74	12.35	87.64	144.94	508.59	-7,433.02	7,732.98	7,633.31	99.67	77.587		
2,700.00	2,670.31	2,657.31	2,657.31	12.82	91.08	145.02	508.59	-7,433.02	7,746.85	7,643.29	103.56	74.807		
2,800.00	2,768.88	2,755.88	2,755.88	13.29	94.52	145.09	508.59	-7,433.02	7,760.72	7,653.27	107.45	72.227		
2,900.00	2,867.45	2,854.45	2,854.45	13.76	97.96	145.16	508.59	-7,433.02	7,774.61	7,663.27	111.34	69.827		
3,000.00	2,966.02	2,953.02	2,953.02	14.24	101.40	145.23	508.59	-7,433.02	7,788.51	7,673.27	115.24	67.588		
3,100.00	3,064.59	3,051.59	3,051.59	14.71	104.84	145.30	508.59	-7,433.02	7,802.42	7,683.29	119.13	65.495		
3,200.00	3,163.16	3,150.16	3,150.16	15.19	108.28	145.37	508.59	-7,433.02	7,816.34	7,693.31	123.03	63.534		
3,300.00	3,261.73	3,248.73	3,248.73	15.66	111.72	145.44	508.59	-7,433.02	7,830.27	7,703.35	126.92	61.694		
3,400.00	3,360.30	3,347.30	3,347.30	16.14	115.16	145.51	508.59	-7,433.02	7,844.22	7,713.40	130.82	59.963		
3,500.00	3,458.87	3,445.87	3,445.87	16.62	118.60	145.58	508.59	-7,433.02	7,858.17	7,723.46	134.72	58.331		
3,600.00	3,557.44	3,544.44	3,544.44	17.10	122.04	145.65	508.59	-7,433.02	7,872.14	7,733.53	138.61	56.791		
3,700.00	3,656.01	3,643.01	3,643.01	17.58	125.48	145.71	508.59	-7,433.02	7,886.12	7,743.61	142.51	55.336		
3,800.00	3,754.58	3,741.58	3,741.58	18.06	128.92	145.78	508.59	-7,433.02	7,900.11	7,753.70	146.41	53.958		
3,900.00	3,853.15	3,840.15	3,840.15	18.54	132.36	145.85	508.59	-7,433.02	7,914.11	7,763.80	150.31	52.651		
4,000.00	3,951.72	3,938.72	3,938.72	19.02	135.80	145.92	508.59	-7,433.02	7,928.12	7,773.91	154.21	51.410		
4,100.00	4,050.29	4,037.29	4,037.29	19.50	139.24	145.99	508.59	-7,433.02	7,942.15	7,784.03	158.11	50.230		
4,200.00	4,148.86	4,135.86	4,135.86	19.98	142.68	146.05	508.59	-7,433.02	7,956.18	7,794.17	162.02	49.107		
4,300.00	4,247.43	4,234.43	4,234.43	20.46	146.12	146.12	508.59	-7,433.02	7,970.23	7,804.31	165.92	48.037		
4,400.00	4,346.00	4,333.00	4,333.00	20.94	149.56	146.19	508.59	-7,433.02	7,984.28	7,814.46	169.82	47.016		
4,500.00	4,444.58	4,431.58	4,431.58	21.43	153.00	146.26	508.59	-7,433.02	7,998.35	7,824.63	173.72	46.041		
4,600.00	4,543.15	4,530.15	4,530.15	21.91	156.44	146.32	508.59	-7,433.02	8,012.43	7,834.80	177.62	45.109		
4,700.00	4,641.72	4,628.72	4,628.72	22.39	159.88	146.39	508.59	-7,433.02	8,026.51	7,844.99	181.53	44.217		
4,800.00	4,740.29	4,727.29	4,727.29	22.87	163.32	146.46	508.59	-7,433.02	8,040.61	7,855.18	185.43	43.362		
4,900.00	4,838.86	4,825.86	4,825.86	23.36	166.76	146.52	508.59	-7,433.02	8,054.72	7,865.39	189.33	42.543		
5,000.00	4,937.43	4,924.43	4,924.43	23.84	170.20	146.59	508.59	-7,433.02	8,068.84	7,875.61	193.24	41.756		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,023.00	5,023.00	24.32	173.64	146.65	508.59	-7,433.02	8,082.97	7,885.83	197.14	41.001		
5,200.00	5,134.57	5,121.57	5,121.57	24.81	177.08	146.72	508.59	-7,433.02	8,097.11	7,896.07	201.04	40.276		
5,300.00	5,233.14	5,220.14	5,220.14	25.29	180.52	146.78	508.59	-7,433.02	8,111.26	7,906.32	204.95	39.577		
5,400.00	5,331.71	5,318.71	5,318.71	25.78	183.96	146.85	508.59	-7,433.02	8,125.43	7,916.58	208.85	38.905		
5,500.00	5,430.28	5,417.28	5,417.28	26.26	187.40	146.91	508.59	-7,433.02	8,139.60	7,926.84	212.75	38.258		
5,600.00	5,528.85	5,515.85	5,515.85	26.75	190.84	146.98	508.59	-7,433.02	8,153.78	7,937.12	216.66	37.634		
5,700.00	5,627.42	5,614.42	5,614.42	27.23	194.28	147.04	508.59	-7,433.02	8,167.97	7,947.41	220.56	37.032		
5,800.00	5,725.99	5,712.99	5,712.99	27.72	197.72	147.10	508.59	-7,433.02	8,182.17	7,957.71	224.47	36.451		
5,900.00	5,824.56	5,811.56	5,811.56	28.20	201.16	147.17	508.59	-7,433.02	8,196.38	7,968.01	228.37	35.891		
6,000.00	5,923.13	5,910.13	5,910.13	28.69	204.60	147.23	508.59	-7,433.02	8,210.61	7,978.33	232.28	35.348		
6,100.00	6,021.70	6,008.70	6,008.70	29.17	208.04	147.29	508.59	-7,433.02	8,224.84	7,988.66	236.18	34.824		
6,200.00	6,120.27	6,107.27	6,107.27	29.66	211.49	147.36	508.59	-7,433.02	8,239.08	7,998.99	240.09	34.317		
6,238.51	6,158.23	6,145.23	6,145.23	29.84	212.81	147.38	508.59	-7,433.02	8,244.57	8,002.98	241.59	34.126		
6,250.00	6,169.57	6,156.57	6,156.57	29.90	213.21	142.95	508.59	-7,433.02	8,246.10	8,004.07	242.04	34.069		
6,300.00	6,219.12	6,206.12	6,206.12	30.13	214.94	113.97	508.59	-7,433.02	8,250.42	8,006.43	243.99	33.814		
6,350.00	6,268.78	6,255.78	6,255.78	30.33	216.67	76.29	508.59	-7,433.02	8,250.88	8,004.95	245.94	33.549		
6,400.00	6,318.25	6,305.25	6,305.25	30.52	218.40	51.60	508.59	-7,433.02	8,247.48	7,999.63	247.85	33.276		
6,450.00	6,367.22	6,354.22	6,354.22	30.69	220.11	39.05	508.59	-7,433.02	8,240.23	7,990.50	249.73	32.997		
6,500.00	6,415.39	6,402.39	6,402.39	30.86	221.79	32.26	508.59	-7,433.02	8,229.19	7,977.63	251.56	32.712		
6,550.00	6,462.47	6,449.47	6,449.47	31.02	223.43	28.27	508.59	-7,433.02	8,214.43	7,961.08	253.34	32.424		
6,600.00	6,508.16	6,504.84	6,495.16	31.18	225.36	25.81	508.59	-7,433.02	8,196.03	7,940.63	255.40	32.091		
6,650.00	6,552.18	6,539.18	6,539.18	31.34	226.56	24.28	508.59	-7,433.02	8,174.12	7,917.42	256.70	31.843		
6,700.00	6,594.26	6,581.26	6,581.26	31.51	228.03	23.41	508.59	-7,433.02	8,148.82	7,890.56	258.26	31.553		
6,750.00	6,634.14	6,621.14	6,621.14	31.68	229.42	23.04	508.59	-7,433.02	8,120.30	7,860.58	259.73	31.265		
6,800.00	6,671.58	6,658.58	6,658.58	31.86	230.73	23.09	508.59	-7,433.02	8,088.74	7,827.64	261.10	30.980		
6,850.00	6,706.34	6,706.66	6,693.34	32.06	232.41	23.54	508.59	-7,433.02	8,054.32	7,791.49	262.83	30.645		
6,900.00	6,738.21	6,725.21	6,725.21	32.27	233.06	24.43	508.59	-7,433.02	8,017.26	7,753.75	263.52	30.424		
6,950.00	6,766.99	6,753.99	6,753.99	32.52	234.06	25.81	508.59	-7,433.02	7,977.80	7,713.25	264.55	30.156		
7,000.00	6,792.51	6,779.51	6,779.51	32.80	234.95	27.82	508.59	-7,433.02	7,936.17	7,670.70	265.47	29.895		
7,050.00	6,814.61	6,801.61	6,801.61	33.12	235.72	30.66	508.59	-7,433.02	7,892.63	7,626.37	266.27	29.642		
7,100.00	6,833.15	6,820.15	6,820.15	33.48	236.37	34.71	508.59	-7,433.02	7,847.46	7,580.53	266.93	29.399		
7,150.00	6,848.02	6,835.02	6,835.02	33.89	236.89	40.60	508.59	-7,433.02	7,800.92	7,533.45	267.47	29.166		
7,200.00	6,859.13	6,846.13	6,846.13	34.35	237.28	49.37	508.59	-7,433.02	7,753.31	7,485.43	267.88	28.944		
7,250.00	6,866.40	6,853.40	6,853.40	34.86	237.53	62.63	508.59	-7,433.02	7,704.91	7,436.76	268.15	28.733		
7,300.00	6,869.79	6,856.79	6,856.79	35.40	237.65	81.69	508.59	-7,433.02	7,656.03	7,387.73	268.30	28.536		
7,327.68	6,870.00	6,857.00	6,857.00	35.71	237.66	94.20	508.59	-7,433.02	7,628.86	7,360.54	268.32	28.432		
7,400.00	6,868.97	6,855.97	6,855.97	36.61	237.62	94.16	508.59	-7,433.02	7,557.89	7,289.55	268.33	28.166		
7,500.00	6,867.54	6,854.54	6,854.54	38.01	237.57	94.11	508.59	-7,433.02	7,459.79	7,191.42	268.36	27.797		
7,600.00	6,866.12	6,853.12	6,853.12	39.58	237.52	94.05	508.59	-7,433.02	7,361.74	7,093.32	268.41	27.427		
7,700.00	6,864.69	6,851.69	6,851.69	41.29	237.47	93.99	508.59	-7,433.02	7,263.74	6,995.26	268.47	27.056		
7,800.00	6,863.27	6,850.27	6,850.27	43.12	237.42	93.94	508.59	-7,433.02	7,165.79	6,897.24	268.55	26.683		
7,900.00	6,861.85	6,848.85	6,848.85	45.06	237.37	93.88	508.59	-7,433.02	7,067.91	6,799.26	268.65	26.309		
8,000.00	6,860.42	6,847.42	6,847.42	47.10	237.32	93.83	508.59	-7,433.02	6,970.08	6,701.32	268.76	25.934		
8,100.00	6,859.00	6,846.00	6,846.00	49.21	237.27	93.77	508.59	-7,433.02	6,872.32	6,603.42	268.90	25.558		
8,200.00	6,857.57	6,844.57	6,844.57	51.40	237.22	93.71	508.59	-7,433.02	6,774.62	6,505.56	269.05	25.180		
8,300.00	6,856.15	6,843.15	6,843.15	53.65	237.17	93.66	508.59	-7,433.02	6,676.99	6,407.75	269.23	24.800		
8,400.00	6,854.72	6,841.72	6,841.72	55.96	237.12	93.60	508.59	-7,433.02	6,579.42	6,309.99	269.43	24.420		
8,500.00	6,853.30	6,840.30	6,840.30	58.31	237.07	93.55	508.59	-7,433.02	6,481.94	6,212.28	269.66	24.037		
8,600.00	6,851.88	6,838.88	6,838.88	60.70	237.02	93.49	508.59	-7,433.02	6,384.53	6,114.62	269.91	23.654		
8,700.00	6,850.45	6,837.45	6,837.45	63.14	236.97	93.43	508.59	-7,433.02	6,287.20	6,017.01	270.19	23.269		
8,800.00	6,849.03	6,836.03	6,836.03	65.60	236.92	93.38	508.59	-7,433.02	6,189.96	5,919.45	270.50	22.883		
8,900.00	6,847.60	6,834.60	6,834.60	68.10	236.87	93.32	508.59	-7,433.02	6,092.80	5,821.96	270.85	22.496		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,846.18	6,833.18	6,833.18	70.62	236.82	93.27	508.59	-7,433.02	5,995.74	5,724.52	271.22	22.107		
9,100.00	6,844.75	6,831.75	6,831.75	73.17	236.77	93.21	508.59	-7,433.02	5,898.78	5,627.15	271.63	21.716		
9,200.00	6,843.33	6,830.33	6,830.33	75.73	236.72	93.15	508.59	-7,433.02	5,801.92	5,529.85	272.07	21.325		
9,300.00	6,841.91	6,828.91	6,828.91	78.32	236.67	93.10	508.59	-7,433.02	5,705.17	5,432.61	272.55	20.932		
9,400.00	6,840.48	6,827.48	6,827.48	80.92	236.63	93.04	508.59	-7,433.02	5,608.53	5,335.45	273.07	20.538		
9,500.00	6,839.06	6,826.06	6,826.06	83.54	236.58	92.99	508.59	-7,433.02	5,512.01	5,238.37	273.64	20.143		
9,600.00	6,837.63	6,824.63	6,824.63	86.18	236.53	92.93	508.59	-7,433.02	5,415.61	5,141.37	274.25	19.747		
9,700.00	6,836.21	6,823.21	6,823.21	88.82	236.48	92.87	508.59	-7,433.02	5,319.35	5,044.45	274.90	19.350		
9,800.00	6,834.78	6,821.78	6,821.78	91.48	236.43	92.82	508.59	-7,433.02	5,223.23	4,947.63	275.60	18.952		
9,900.00	6,833.36	6,820.36	6,820.36	94.15	236.38	92.76	508.59	-7,433.02	5,127.26	4,850.90	276.36	18.553		
10,000.00	6,831.94	6,818.94	6,818.94	96.83	236.33	92.71	508.59	-7,433.02	5,031.44	4,754.28	277.16	18.153		
10,100.00	6,830.51	6,817.51	6,817.51	99.52	236.28	92.65	508.59	-7,433.02	4,935.79	4,657.77	278.03	17.753		
10,200.00	6,829.09	6,816.09	6,816.09	102.22	236.23	92.59	508.59	-7,433.02	4,840.32	4,561.37	278.95	17.352		
10,300.00	6,827.66	6,814.66	6,814.66	104.92	236.18	92.54	508.59	-7,433.02	4,745.03	4,465.09	279.94	16.950		
10,400.00	6,826.24	6,813.24	6,813.24	107.63	236.13	92.48	508.59	-7,433.02	4,649.94	4,368.95	280.99	16.549		
10,500.00	6,824.81	6,811.81	6,811.81	110.35	236.08	92.42	508.59	-7,433.02	4,555.05	4,272.94	282.11	16.146		
10,600.00	6,823.39	6,810.39	6,810.39	113.08	236.03	92.37	508.59	-7,433.02	4,460.39	4,177.09	283.30	15.744		
10,700.00	6,821.96	6,808.96	6,808.96	115.81	235.98	92.31	508.59	-7,433.02	4,365.97	4,081.40	284.57	15.342		
10,800.00	6,820.54	6,807.54	6,807.54	118.54	235.93	92.26	508.59	-7,433.02	4,271.81	3,985.88	285.93	14.940		
10,900.00	6,819.12	6,806.12	6,806.12	121.29	235.88	92.20	508.59	-7,433.02	4,177.91	3,890.54	287.36	14.539		
11,000.00	6,817.69	6,804.69	6,804.69	124.03	235.83	92.14	508.59	-7,433.02	4,084.30	3,795.41	288.89	14.138		
11,100.00	6,816.27	6,803.27	6,803.27	126.78	235.78	92.09	508.59	-7,433.02	3,991.00	3,700.49	290.52	13.738		
11,200.00	6,814.84	6,801.84	6,801.84	129.54	235.73	92.03	508.59	-7,433.02	3,898.04	3,605.79	292.24	13.338		
11,300.00	6,813.42	6,800.42	6,800.42	132.29	235.68	91.98	508.59	-7,433.02	3,805.43	3,511.35	294.07	12.940		
11,400.00	6,811.99	6,801.01	6,798.99	135.05	235.70	91.92	508.59	-7,433.02	3,713.20	3,417.11	296.09	12.541		
11,500.00	6,810.57	6,802.43	6,797.57	137.82	235.75	91.86	508.59	-7,433.02	3,621.38	3,323.13	298.25	12.142		
11,534.42	6,810.08	6,802.92	6,797.08	138.77	235.77	91.84	508.59	-7,433.02	3,589.88	3,290.85	299.03	12.005		
11,600.00	6,809.15	6,803.85	6,796.15	140.59	235.80	91.92	508.59	-7,433.02	3,529.71	3,229.20	300.51	11.746		
11,645.35	6,808.50	6,804.50	6,795.50	141.85	235.82	91.98	508.59	-7,433.02	3,487.86	3,186.34	301.52	11.568		
11,700.00	6,807.72	6,805.28	6,794.72	143.37	235.85	91.95	508.59	-7,433.02	3,437.38	3,134.63	302.76	11.354		
11,800.00	6,806.30	6,806.70	6,793.30	146.16	235.90	91.89	508.59	-7,433.02	3,345.36	3,040.24	305.12	10.964		
11,900.00	6,804.88	6,808.12	6,791.88	148.94	235.95	91.83	508.59	-7,433.02	3,253.80	2,946.18	307.62	10.577		
12,000.00	6,803.45	6,809.55	6,790.45	151.74	236.00	91.76	508.59	-7,433.02	3,162.75	2,852.48	310.27	10.193		
12,100.00	6,802.03	6,789.03	6,789.03	154.53	235.28	91.70	508.59	-7,433.02	3,072.26	2,759.93	312.33	9.837		
12,200.00	6,800.61	6,787.61	6,787.61	157.32	235.23	91.64	508.59	-7,433.02	2,982.38	2,667.16	315.22	9.461		
12,300.00	6,799.18	6,786.18	6,786.18	160.12	235.18	91.58	508.59	-7,433.02	2,893.16	2,574.86	318.30	9.089		
12,400.00	6,797.76	6,784.76	6,784.76	162.92	235.13	91.52	508.59	-7,433.02	2,804.66	2,483.09	321.57	8.722		
12,500.00	6,796.34	6,783.34	6,783.34	165.72	235.08	91.46	508.59	-7,433.02	2,716.97	2,391.90	325.07	8.358		
12,600.00	6,794.92	6,781.92	6,781.92	168.53	235.03	91.40	508.59	-7,433.02	2,630.15	2,301.36	328.79	8.000		
12,700.00	6,793.49	6,780.49	6,780.49	171.33	234.98	91.33	508.59	-7,433.02	2,544.30	2,211.55	332.75	7.646		
12,800.00	6,792.07	6,779.07	6,779.07	174.14	234.94	91.27	508.59	-7,433.02	2,459.51	2,122.54	336.97	7.299		
12,900.00	6,790.65	6,777.65	6,777.65	176.95	234.89	91.21	508.59	-7,433.02	2,375.91	2,034.44	341.47	6.958		
13,000.00	6,789.22	6,776.22	6,776.22	179.76	234.84	91.15	508.59	-7,433.02	2,293.62	1,947.36	346.27	6.624		
13,100.00	6,787.80	6,774.80	6,774.80	182.57	234.79	91.09	508.59	-7,433.02	2,212.79	1,861.43	351.37	6.298		
13,200.00	6,786.38	6,773.38	6,773.38	185.38	234.74	91.03	508.59	-7,433.02	2,133.59	1,776.80	356.79	5.980		
13,300.00	6,784.95	6,771.95	6,771.95	188.20	234.69	90.97	508.59	-7,433.02	2,056.20	1,693.65	362.55	5.671		
13,400.00	6,783.53	6,770.53	6,770.53	191.01	234.64	90.90	508.59	-7,433.02	1,980.83	1,612.18	368.65	5.373		
13,500.00	6,782.11	6,769.11	6,769.11	193.83	234.59	90.84	508.59	-7,433.02	1,907.73	1,532.62	375.10	5.086		
13,600.00	6,780.68	6,767.68	6,767.68	196.65	234.54	90.78	508.59	-7,433.02	1,837.16	1,455.27	381.89	4.811		
13,700.00	6,779.26	6,766.26	6,766.26	199.47	234.49	90.72	508.59	-7,433.02	1,769.43	1,380.42	389.01	4.549		
13,800.00	6,777.84	6,764.84	6,764.84	202.29	234.44	90.66	508.59	-7,433.02	1,704.87	1,308.45	396.42	4.301		
13,900.00	6,776.42	6,763.42	6,763.42	205.11	234.39	90.60	508.59	-7,433.02	1,643.87	1,239.79	404.08	4.068		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
14,000.00	6,774.99	6,761.99	6,761.99	207.93	234.34	90.54	508.59	-7,433.02	1,586.83	1,174.91	411.92	3.852		
14,100.00	6,773.57	6,760.57	6,760.57	210.76	234.29	90.47	508.59	-7,433.02	1,534.19	1,114.35	419.84	3.654		
14,200.00	6,772.15	6,759.15	6,759.15	213.58	234.24	90.41	508.59	-7,433.02	1,486.42	1,058.70	427.72	3.475		
14,300.00	6,770.72	6,757.72	6,757.72	216.40	234.19	90.35	508.59	-7,433.02	1,444.00	1,008.59	435.41	3.316		
14,400.00	6,769.30	6,756.30	6,756.30	219.23	234.14	90.29	508.59	-7,433.02	1,407.42	964.69	442.73	3.179		
14,500.00	6,767.88	6,754.88	6,754.88	222.06	234.09	90.23	508.59	-7,433.02	1,377.15	927.66	449.48	3.064		
14,600.00	6,766.45	6,753.45	6,753.45	224.89	234.04	90.17	508.59	-7,433.02	1,353.59	898.13	455.47	2.972		
14,700.00	6,765.03	6,752.03	6,752.03	227.71	233.99	90.11	508.59	-7,433.02	1,337.12	876.64	460.49	2.904		
14,800.00	6,763.61	6,750.61	6,750.61	230.54	233.94	90.04	508.59	-7,433.02	1,328.00	863.62	464.38	2.860		
14,871.62	6,762.59	6,749.59	6,749.59	232.57	233.91	90.00	508.59	-7,433.02	1,326.07	859.66	466.41	2.843 CC		
14,900.00	6,762.19	6,749.19	6,749.19	233.37	233.89	89.98	508.59	-7,433.02	1,326.37	859.34	467.03	2.840 ES, SF		
15,000.00	6,760.76	6,747.76	6,747.76	236.20	233.84	89.92	508.59	-7,433.02	1,332.27	863.88	468.39	2.844		
15,100.00	6,759.34	6,746.34	6,746.34	239.03	233.79	89.86	508.59	-7,433.02	1,345.59	877.13	468.46	2.872		
15,200.00	6,757.92	6,744.92	6,744.92	241.86	233.74	89.80	508.59	-7,433.02	1,366.11	898.80	467.31	2.923		
15,300.00	6,756.49	6,743.49	6,743.49	244.70	233.69	89.74	508.59	-7,433.02	1,393.53	928.45	465.08	2.996		
15,334.64	6,756.00	6,743.00	6,743.00	245.68	233.68	89.72	508.59	-7,433.02	1,404.56	940.49	464.08	3.027		
15,335.52	6,755.99	6,742.99	6,742.99	245.70	233.68	89.71	508.59	-7,433.02	1,404.85	940.80	464.05	3.027		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-84.83	539.52	-5,967.39	5,991.73					
100.00	100.00	135.00	135.00	3.28	4.42	-84.83	539.52	-5,967.39	5,991.73	5,984.03	7.71	777.363		
200.00	200.00	235.00	235.00	3.34	7.24	-84.83	539.52	-5,967.39	5,991.73	5,981.15	10.58	566.296		
300.00	300.00	335.00	335.00	3.44	10.48	-84.83	539.52	-5,967.39	5,991.73	5,977.81	13.92	430.410		
400.00	399.98	434.98	434.98	3.60	13.83	145.06	539.52	-5,967.39	5,993.16	5,975.73	17.43	343.819		
500.00	499.84	534.84	534.84	3.79	17.24	145.04	539.52	-5,967.39	5,997.46	5,976.43	21.03	285.174		
600.00	599.45	634.45	634.45	4.03	20.67	145.00	539.52	-5,967.39	6,004.61	5,979.92	24.69	243.194		
700.00	698.70	733.70	733.70	4.30	24.09	144.96	539.52	-5,967.39	6,014.61	5,986.22	28.39	211.860		
785.00	782.69	817.69	817.69	4.56	27.00	144.90	539.52	-5,967.39	6,025.36	5,993.80	31.55	190.953		
800.00	797.47	832.47	832.47	4.60	27.51	144.92	539.52	-5,967.39	6,027.43	5,995.32	32.12	187.677		
900.00	896.04	931.04	931.04	4.94	30.93	145.01	539.52	-5,967.39	6,041.29	6,005.43	35.86	168.470		
1,000.00	994.61	1,029.61	1,029.61	5.30	34.36	145.10	539.52	-5,967.39	6,055.17	6,015.54	39.63	152.793		
1,100.00	1,093.18	1,128.18	1,128.18	5.69	37.78	145.19	539.52	-5,967.39	6,069.06	6,025.64	43.42	139.772		
1,200.00	1,191.75	1,226.75	1,226.75	6.08	41.21	145.28	539.52	-5,967.39	6,082.97	6,035.74	47.23	128.796		
1,300.00	1,290.32	1,325.32	1,325.32	6.49	44.64	145.37	539.52	-5,967.39	6,096.89	6,045.83	51.05	119.426		
1,400.00	1,388.89	1,423.89	1,423.89	6.91	48.07	145.46	539.52	-5,967.39	6,110.82	6,055.94	54.89	111.338		
1,500.00	1,487.46	1,522.46	1,522.46	7.34	51.51	145.55	539.52	-5,967.39	6,124.77	6,066.04	58.73	104.290		
1,600.00	1,586.03	1,621.03	1,621.03	7.77	54.94	145.64	539.52	-5,967.39	6,138.74	6,076.16	62.58	98.096		
1,700.00	1,684.61	1,719.61	1,719.61	8.22	58.38	145.72	539.52	-5,967.39	6,152.71	6,086.28	66.44	92.611		
1,800.00	1,783.18	1,818.18	1,818.18	8.66	61.81	145.81	539.52	-5,967.39	6,166.71	6,096.41	70.30	87.721		
1,900.00	1,881.75	1,916.75	1,916.75	9.11	65.25	145.90	539.52	-5,967.39	6,180.71	6,106.55	74.17	83.336		
2,000.00	1,980.32	2,015.32	2,015.32	9.57	68.69	145.99	539.52	-5,967.39	6,194.74	6,116.70	78.04	79.381		
2,100.00	2,078.89	2,113.89	2,113.89	10.02	72.13	146.07	539.52	-5,967.39	6,208.77	6,126.86	81.91	75.797		
2,200.00	2,177.46	2,212.46	2,212.46	10.49	75.56	146.16	539.52	-5,967.39	6,222.82	6,137.03	85.79	72.534		
2,300.00	2,276.03	2,311.03	2,311.03	10.95	79.00	146.24	539.52	-5,967.39	6,236.88	6,147.21	89.67	69.552		
2,400.00	2,374.60	2,409.60	2,409.60	11.41	82.44	146.33	539.52	-5,967.39	6,250.96	6,157.41	93.56	66.815		
2,500.00	2,473.17	2,508.17	2,508.17	11.88	85.88	146.41	539.52	-5,967.39	6,265.05	6,167.61	97.44	64.296		
2,600.00	2,571.74	2,606.74	2,606.74	12.35	89.32	146.50	539.52	-5,967.39	6,279.16	6,177.83	101.33	61.968		
2,700.00	2,670.31	2,705.31	2,705.31	12.82	92.76	146.58	539.52	-5,967.39	6,293.27	6,188.06	105.22	59.812		
2,800.00	2,768.88	2,803.88	2,803.88	13.29	96.19	146.67	539.52	-5,967.39	6,307.41	6,198.30	109.11	57.809		
2,900.00	2,867.45	2,902.45	2,902.45	13.76	99.63	146.75	539.52	-5,967.39	6,321.55	6,208.55	113.00	55.944		
3,000.00	2,966.02	3,001.02	3,001.02	14.24	103.07	146.83	539.52	-5,967.39	6,335.71	6,218.82	116.89	54.202		
3,100.00	3,064.59	3,100.41	3,099.59	14.71	106.54	146.92	539.52	-5,967.39	6,349.88	6,229.07	120.81	52.560		
3,200.00	3,163.16	3,201.84	3,198.16	15.19	110.08	147.00	539.52	-5,967.39	6,364.06	6,239.26	124.81	50.991		
3,300.00	3,261.73	3,303.27	3,296.73	15.66	113.62	147.08	539.52	-5,967.39	6,378.26	6,249.46	128.80	49.520		
3,400.00	3,360.30	3,404.70	3,395.30	16.14	117.16	147.16	539.52	-5,967.39	6,392.47	6,259.67	132.80	48.137		
3,500.00	3,458.87	3,506.13	3,493.87	16.62	120.70	147.25	539.52	-5,967.39	6,406.69	6,269.90	136.79	46.834		
3,600.00	3,557.44	3,607.56	3,592.44	17.10	124.24	147.33	539.52	-5,967.39	6,420.93	6,280.14	140.79	45.606		
3,700.00	3,656.01	3,708.99	3,691.01	17.58	127.78	147.41	539.52	-5,967.39	6,435.18	6,290.39	144.79	44.445		
3,800.00	3,754.58	3,789.58	3,789.58	18.06	130.59	147.49	539.52	-5,967.39	6,449.44	6,301.38	148.06	43.559		
3,900.00	3,853.15	3,888.15	3,888.15	18.54	134.03	147.57	539.52	-5,967.39	6,463.71	6,311.75	151.96	42.536		
4,000.00	3,951.72	3,986.72	3,986.72	19.02	137.47	147.65	539.52	-5,967.39	6,478.00	6,322.14	155.86	41.563		
4,100.00	4,050.29	4,085.29	4,085.29	19.50	140.91	147.73	539.52	-5,967.39	6,492.29	6,332.54	159.76	40.638		
4,200.00	4,148.86	4,183.86	4,183.86	19.98	144.35	147.80	539.52	-5,967.39	6,506.60	6,342.95	163.66	39.757		
4,300.00	4,247.43	4,282.43	4,282.43	20.46	147.79	147.88	539.52	-5,967.39	6,520.93	6,353.37	167.56	38.917		
4,400.00	4,346.00	4,381.00	4,381.00	20.94	151.23	147.96	539.52	-5,967.39	6,535.26	6,363.80	171.46	38.115		
4,500.00	4,444.58	4,479.58	4,479.58	21.43	154.67	148.04	539.52	-5,967.39	6,549.61	6,374.25	175.36	37.349		
4,600.00	4,543.15	4,578.15	4,578.15	21.91	158.11	148.12	539.52	-5,967.39	6,563.96	6,384.70	179.26	36.617		
4,700.00	4,641.72	4,676.72	4,676.72	22.39	161.55	148.19	539.52	-5,967.39	6,578.33	6,395.17	183.16	35.915		
4,800.00	4,740.29	4,775.29	4,775.29	22.87	164.99	148.27	539.52	-5,967.39	6,592.72	6,405.65	187.06	35.243		
4,900.00	4,838.86	4,873.86	4,873.86	23.36	168.43	148.35	539.52	-5,967.39	6,607.11	6,416.14	190.97	34.598		
5,000.00	4,937.43	4,972.43	4,972.43	23.84	171.87	148.42	539.52	-5,967.39	6,621.51	6,426.64	194.87	33.979		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,071.00	5,071.00	24.32	175.31	148.50	539.52	-5,967.39	6,635.93	6,437.16	198.77	33.385		
5,200.00	5,134.57	5,169.57	5,169.57	24.81	178.75	148.58	539.52	-5,967.39	6,650.36	6,447.68	202.67	32.813		
5,300.00	5,233.14	5,268.14	5,268.14	25.29	182.20	148.65	539.52	-5,967.39	6,664.80	6,458.22	206.58	32.263		
5,400.00	5,331.71	5,366.71	5,366.71	25.78	185.64	148.73	539.52	-5,967.39	6,679.25	6,468.77	210.48	31.734		
5,500.00	5,430.28	5,465.28	5,465.28	26.26	189.08	148.80	539.52	-5,967.39	6,693.71	6,479.33	214.38	31.223		
5,600.00	5,528.85	5,563.85	5,563.85	26.75	192.52	148.87	539.52	-5,967.39	6,708.18	6,489.90	218.28	30.731		
5,700.00	5,627.42	5,662.42	5,662.42	27.23	195.96	148.95	539.52	-5,967.39	6,722.66	6,500.48	222.19	30.257		
5,800.00	5,725.99	5,760.99	5,760.99	27.72	199.40	149.02	539.52	-5,967.39	6,737.16	6,511.07	226.09	29.799		
5,900.00	5,824.56	5,859.56	5,859.56	28.20	202.84	149.10	539.52	-5,967.39	6,751.67	6,521.67	229.99	29.356		
6,000.00	5,923.13	5,958.13	5,958.13	28.69	206.28	149.17	539.52	-5,967.39	6,766.18	6,532.28	233.90	28.928		
6,100.00	6,021.70	6,056.70	6,056.70	29.17	209.72	149.24	539.52	-5,967.39	6,780.71	6,542.91	237.80	28.514		
6,200.00	6,120.27	6,155.27	6,155.27	29.66	213.16	149.31	539.52	-5,967.39	6,795.25	6,553.54	241.70	28.114		
6,238.51	6,158.23	6,206.77	6,193.23	29.84	214.96	149.34	539.52	-5,967.39	6,800.85	6,557.17	243.68	27.909		
6,250.00	6,169.57	6,204.57	6,204.57	29.90	214.88	144.91	539.52	-5,967.39	6,802.42	6,558.76	243.66	27.918		
6,300.00	6,219.12	6,254.12	6,254.12	30.13	216.61	115.91	539.52	-5,967.39	6,806.91	6,561.30	245.61	27.714		
6,350.00	6,268.78	6,303.78	6,303.78	30.33	218.34	78.24	539.52	-5,967.39	6,807.56	6,560.01	247.55	27.500		
6,400.00	6,318.25	6,353.25	6,353.25	30.52	220.07	53.56	539.52	-5,967.39	6,804.37	6,554.91	249.47	27.276		
6,450.00	6,367.22	6,402.22	6,402.22	30.69	221.78	41.04	539.52	-5,967.39	6,797.37	6,546.02	251.35	27.044		
6,500.00	6,415.39	6,450.39	6,450.39	30.86	223.46	34.30	539.52	-5,967.39	6,786.60	6,533.42	253.18	26.805		
6,550.00	6,462.47	6,502.53	6,497.47	31.02	225.28	30.37	539.52	-5,967.39	6,772.12	6,516.99	255.14	26.543		
6,600.00	6,508.16	6,543.16	6,543.16	31.18	226.70	27.98	539.52	-5,967.39	6,754.04	6,497.37	256.67	26.314		
6,650.00	6,552.18	6,587.18	6,587.18	31.34	228.24	26.55	539.52	-5,967.39	6,732.46	6,474.14	258.32	26.063		
6,700.00	6,594.26	6,629.26	6,629.26	31.51	229.71	25.80	539.52	-5,967.39	6,707.52	6,447.64	259.87	25.811		
6,750.00	6,634.14	6,669.14	6,669.14	31.68	231.10	25.56	539.52	-5,967.39	6,679.37	6,418.03	261.34	25.558		
6,800.00	6,671.58	6,706.58	6,706.58	31.86	232.40	25.78	539.52	-5,967.39	6,648.20	6,385.49	262.71	25.306		
6,850.00	6,706.34	6,741.34	6,741.34	32.06	233.62	26.45	539.52	-5,967.39	6,614.19	6,350.21	263.98	25.056		
6,900.00	6,738.21	6,773.21	6,773.21	32.27	234.73	27.58	539.52	-5,967.39	6,577.56	6,312.42	265.13	24.809		
6,950.00	6,766.99	6,801.99	6,801.99	32.52	235.74	29.26	539.52	-5,967.39	6,538.53	6,272.36	266.17	24.565		
7,000.00	6,792.51	6,827.51	6,827.51	32.80	236.63	31.62	539.52	-5,967.39	6,497.35	6,230.25	267.09	24.326		
7,050.00	6,814.61	6,849.61	6,849.61	33.12	237.40	34.88	539.52	-5,967.39	6,454.26	6,186.37	267.89	24.093		
7,100.00	6,833.15	6,868.15	6,868.15	33.48	238.04	39.38	539.52	-5,967.39	6,409.55	6,140.99	268.57	23.866		
7,150.00	6,848.02	6,883.02	6,883.02	33.89	238.56	45.67	539.52	-5,967.39	6,363.48	6,094.37	269.11	23.646		
7,200.00	6,859.13	6,905.87	6,894.13	34.35	239.36	54.53	539.52	-5,967.39	6,316.33	6,046.40	269.94	23.399		
7,250.00	6,866.40	6,901.40	6,901.40	34.86	239.21	66.91	539.52	-5,967.39	6,268.40	5,998.59	269.81	23.232		
7,300.00	6,869.79	6,904.79	6,904.79	35.40	239.32	83.21	539.52	-5,967.39	6,219.98	5,950.01	269.97	23.040		
7,327.68	6,870.00	6,905.00	6,905.00	35.71	239.33	93.41	539.52	-5,967.39	6,193.07	5,923.07	270.00	22.937		
7,400.00	6,868.97	6,903.97	6,903.97	36.61	239.29	93.37	539.52	-5,967.39	6,122.77	5,852.73	270.04	22.674		
7,500.00	6,867.54	6,902.54	6,902.54	38.01	239.25	93.31	539.52	-5,967.39	6,025.63	5,755.52	270.11	22.308		
7,600.00	6,866.12	6,901.12	6,901.12	39.58	239.20	93.26	539.52	-5,967.39	5,928.58	5,658.38	270.20	21.942		
7,700.00	6,864.69	6,900.31	6,899.69	41.29	239.17	93.20	539.52	-5,967.39	5,831.63	5,561.29	270.34	21.572		
7,800.00	6,863.27	6,901.73	6,898.27	43.12	239.22	93.14	539.52	-5,967.39	5,734.79	5,464.21	270.58	21.195		
7,900.00	6,861.85	6,903.15	6,896.85	45.06	239.27	93.09	539.52	-5,967.39	5,638.05	5,367.20	270.85	20.816		
8,000.00	6,860.42	6,904.58	6,895.42	47.10	239.32	93.03	539.52	-5,967.39	5,541.44	5,270.28	271.15	20.437		
8,100.00	6,859.00	6,906.00	6,894.00	49.21	239.37	92.97	539.52	-5,967.39	5,444.94	5,173.45	271.49	20.056		
8,200.00	6,857.57	6,907.43	6,892.57	51.40	239.42	92.92	539.52	-5,967.39	5,348.57	5,076.72	271.86	19.674		
8,300.00	6,856.15	6,908.85	6,891.15	53.65	239.47	92.86	539.52	-5,967.39	5,252.34	4,980.08	272.26	19.291		
8,400.00	6,854.72	6,889.72	6,889.72	55.96	238.80	92.81	539.52	-5,967.39	5,156.25	4,884.26	271.99	18.957		
8,500.00	6,853.30	6,888.30	6,888.30	58.31	238.75	92.75	539.52	-5,967.39	5,060.31	4,787.93	272.38	18.578		
8,600.00	6,851.88	6,886.88	6,886.88	60.70	238.70	92.69	539.52	-5,967.39	4,964.53	4,691.71	272.82	18.197		
8,700.00	6,850.45	6,885.45	6,885.45	63.14	238.65	92.64	539.52	-5,967.39	4,868.92	4,595.62	273.31	17.815		
8,800.00	6,849.03	6,884.03	6,884.03	65.60	238.60	92.58	539.52	-5,967.39	4,773.50	4,499.65	273.84	17.432		
8,900.00	6,847.60	6,882.60	6,882.60	68.10	238.55	92.52	539.52	-5,967.39	4,678.26	4,403.82	274.43	17.047		

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 34N-6A-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 34N-6A-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	6,846.18	6,881.18	6,881.18	70.62	238.50	92.47	539.52	-5,967.39	4,583.22	4,308.14	275.08	16.661		
9,100.00	6,844.75	6,879.75	6,879.75	73.17	238.45	92.41	539.52	-5,967.39	4,488.40	4,212.61	275.79	16.275		
9,200.00	6,843.33	6,878.33	6,878.33	75.73	238.40	92.35	539.52	-5,967.39	4,393.81	4,117.24	276.57	15.887		
9,300.00	6,841.91	6,876.91	6,876.91	78.32	238.35	92.30	539.52	-5,967.39	4,299.46	4,022.05	277.41	15.498		
9,400.00	6,840.48	6,875.48	6,875.48	80.92	238.30	92.24	539.52	-5,967.39	4,205.37	3,927.04	278.33	15.109		
9,500.00	6,839.06	6,874.06	6,874.06	83.54	238.25	92.18	539.52	-5,967.39	4,111.56	3,832.23	279.33	14.719		
9,600.00	6,837.63	6,872.63	6,872.63	86.18	238.20	92.13	539.52	-5,967.39	4,018.05	3,737.65	280.41	14.329		
9,700.00	6,836.21	6,871.21	6,871.21	88.82	238.15	92.07	539.52	-5,967.39	3,924.86	3,643.29	281.57	13.939		
9,800.00	6,834.78	6,869.78	6,869.78	91.48	238.10	92.01	539.52	-5,967.39	3,832.01	3,549.18	282.83	13.549		
9,900.00	6,833.36	6,868.36	6,868.36	94.15	238.05	91.96	539.52	-5,967.39	3,739.53	3,455.34	284.19	13.159		
10,000.00	6,831.94	6,866.94	6,866.94	96.83	238.00	91.90	539.52	-5,967.39	3,647.45	3,361.80	285.65	12.769		
10,100.00	6,830.51	6,865.51	6,865.51	99.52	237.95	91.84	539.52	-5,967.39	3,555.79	3,268.57	287.22	12.380		
10,200.00	6,829.09	6,864.09	6,864.09	102.22	237.90	91.79	539.52	-5,967.39	3,464.60	3,175.69	288.91	11.992		
10,300.00	6,827.66	6,862.66	6,862.66	104.92	237.85	91.73	539.52	-5,967.39	3,373.90	3,083.18	290.72	11.605		
10,400.00	6,826.24	6,861.24	6,861.24	107.63	237.80	91.67	539.52	-5,967.39	3,283.74	2,991.08	292.66	11.220		
10,500.00	6,824.81	6,859.81	6,859.81	110.35	237.75	91.62	539.52	-5,967.39	3,194.17	2,899.42	294.75	10.837		
10,600.00	6,823.39	6,858.39	6,858.39	113.08	237.70	91.56	539.52	-5,967.39	3,105.24	2,808.25	296.98	10.456		
10,700.00	6,821.96	6,856.96	6,856.96	115.81	237.65	91.50	539.52	-5,967.39	3,016.99	2,717.62	299.37	10.078		
10,800.00	6,820.54	6,855.54	6,855.54	118.54	237.60	91.45	539.52	-5,967.39	2,929.50	2,627.57	301.93	9.703		
10,900.00	6,819.12	6,854.12	6,854.12	121.29	237.55	91.39	539.52	-5,967.39	2,842.84	2,538.17	304.67	9.331		
11,000.00	6,817.69	6,852.69	6,852.69	124.03	237.51	91.33	539.52	-5,967.39	2,757.08	2,449.48	307.59	8.963		
11,100.00	6,816.27	6,851.27	6,851.27	126.78	237.46	91.28	539.52	-5,967.39	2,672.30	2,361.58	310.72	8.600		
11,200.00	6,814.84	6,849.84	6,849.84	129.54	237.41	91.22	539.52	-5,967.39	2,588.62	2,274.55	314.06	8.242		
11,300.00	6,813.42	6,848.42	6,848.42	132.29	237.36	91.16	539.52	-5,967.39	2,506.13	2,188.50	317.63	7.890		
11,400.00	6,811.99	6,846.99	6,846.99	135.05	237.31	91.11	539.52	-5,967.39	2,424.95	2,103.52	321.43	7.544		
11,500.00	6,810.57	6,845.57	6,845.57	137.82	237.26	91.05	539.52	-5,967.39	2,345.23	2,019.75	325.48	7.205		
11,534.42	6,810.08	6,845.08	6,845.08	138.77	237.24	91.03	539.52	-5,967.39	2,318.15	1,991.22	326.93	7.091		
11,600.00	6,809.15	6,844.15	6,844.15	140.59	237.21	91.04	539.52	-5,967.39	2,266.65	1,936.89	329.75	6.874		
11,645.35	6,808.50	6,843.50	6,843.50	141.85	237.18	91.05	539.52	-5,967.39	2,230.90	1,899.18	331.72	6.725		
11,700.00	6,807.72	6,842.72	6,842.72	143.37	237.16	91.02	539.52	-5,967.39	2,188.04	1,853.90	334.14	6.548		
11,800.00	6,806.30	6,841.30	6,841.30	146.16	237.11	90.96	539.52	-5,967.39	2,111.00	1,772.22	338.79	6.231		
11,900.00	6,804.88	6,839.88	6,839.88	148.94	237.06	90.90	539.52	-5,967.39	2,035.97	1,692.25	343.72	5.923		
12,000.00	6,803.45	6,838.45	6,838.45	151.74	237.01	90.84	539.52	-5,967.39	1,963.16	1,614.22	348.94	5.626		
12,100.00	6,802.03	6,837.03	6,837.03	154.53	236.96	90.78	539.52	-5,967.39	1,892.83	1,538.39	354.44	5.340		
12,200.00	6,800.61	6,835.61	6,835.61	157.32	236.91	90.72	539.52	-5,967.39	1,825.27	1,465.06	360.21	5.067		
12,300.00	6,799.18	6,834.18	6,834.18	160.12	236.86	90.66	539.52	-5,967.39	1,760.80	1,394.56	366.25	4.808		
12,400.00	6,797.76	6,832.76	6,832.76	162.92	236.81	90.60	539.52	-5,967.39	1,699.77	1,327.27	372.50	4.563		
12,500.00	6,796.34	6,831.34	6,831.34	165.72	236.76	90.54	539.52	-5,967.39	1,642.57	1,263.65	378.92	4.335		
12,600.00	6,794.92	6,829.92	6,829.92	168.53	236.71	90.48	539.52	-5,967.39	1,589.60	1,204.15	385.45	4.124		
12,700.00	6,793.49	6,828.49	6,828.49	171.33	236.66	90.42	539.52	-5,967.39	1,541.31	1,149.31	392.00	3.932		
12,800.00	6,792.07	6,827.07	6,827.07	174.14	236.61	90.36	539.52	-5,967.39	1,498.14	1,099.69	398.44	3.760		
12,900.00	6,790.65	6,825.65	6,825.65	176.95	236.56	90.30	539.52	-5,967.39	1,460.55	1,055.88	404.67	3.609		
13,000.00	6,789.22	6,824.22	6,824.22	179.76	236.51	90.24	539.52	-5,967.39	1,428.98	1,018.46	410.52	3.481		
13,100.00	6,787.80	6,822.80	6,822.80	182.57	236.46	90.18	539.52	-5,967.39	1,403.84	987.99	415.85	3.376		
13,200.00	6,786.38	6,821.38	6,821.38	185.38	236.41	90.12	539.52	-5,967.39	1,385.47	964.97	420.50	3.295		
13,300.00	6,784.95	6,819.95	6,819.95	188.20	236.36	90.06	539.52	-5,967.39	1,374.15	949.81	424.35	3.238		
13,400.00	6,783.53	6,818.53	6,818.53	191.01	236.31	90.00	539.52	-5,967.39	1,370.06	942.79	427.27	3.207		
13,406.19	6,783.44	6,818.44	6,818.44	191.19	236.31	90.00	539.52	-5,967.39	1,370.05	942.62	427.42	3.205 CC, ES		
13,500.00	6,782.11	6,817.11	6,817.11	193.83	236.26	89.94	539.52	-5,967.39	1,373.25	944.03	429.22	3.199 SF		
13,600.00	6,780.68	6,815.68	6,815.68	196.65	236.21	89.88	539.52	-5,967.39	1,383.68	953.52	430.17	3.217		
13,700.00	6,779.26	6,814.26	6,814.26	199.47	236.16	89.83	539.52	-5,967.39	1,401.19	971.05	430.14	3.257		
13,800.00	6,777.84	6,812.84	6,812.84	202.29	236.11	89.77	539.52	-5,967.39	1,425.51	996.29	429.22	3.321		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	6,811.42	6,811.42	205.11	236.06	89.71	539.52	-5,967.39	1,456.31	1,028.81	427.50	3.407		
14,000.00	6,774.99	6,809.99	6,809.99	207.93	236.01	89.65	539.52	-5,967.39	1,493.18	1,068.08	425.09	3.513		
14,100.00	6,773.57	6,808.57	6,808.57	210.76	235.96	89.59	539.52	-5,967.39	1,535.68	1,113.53	422.14	3.638		
14,200.00	6,772.15	6,807.15	6,807.15	213.58	235.92	89.53	539.52	-5,967.39	1,583.36	1,164.59	418.77	3.781		
14,300.00	6,770.72	6,805.72	6,805.72	216.40	235.87	89.47	539.52	-5,967.39	1,635.78	1,220.68	415.10	3.941		
14,400.00	6,769.30	6,804.30	6,804.30	219.23	235.82	89.41	539.52	-5,967.39	1,692.48	1,281.26	411.22	4.116		
14,500.00	6,767.88	6,802.88	6,802.88	222.06	235.77	89.35	539.52	-5,967.39	1,753.06	1,345.83	407.23	4.305		
14,600.00	6,766.45	6,801.45	6,801.45	224.89	235.72	89.29	539.52	-5,967.39	1,817.12	1,413.92	403.20	4.507		
14,700.00	6,765.03	6,800.03	6,800.03	227.71	235.67	89.23	539.52	-5,967.39	1,884.32	1,485.12	399.19	4.720		
14,800.00	6,763.61	6,801.39	6,798.61	230.54	235.71	89.17	539.52	-5,967.39	1,954.32	1,558.98	395.34	4.943		
14,900.00	6,762.19	6,802.82	6,797.19	233.37	235.76	89.11	539.52	-5,967.39	2,026.83	1,635.26	391.57	5.176		
15,000.00	6,760.76	6,804.24	6,795.76	236.20	235.81	89.05	539.52	-5,967.39	2,101.61	1,713.68	387.92	5.418		
15,100.00	6,759.34	6,805.66	6,794.34	239.03	235.86	88.99	539.52	-5,967.39	2,178.41	1,794.00	384.41	5.667		
15,200.00	6,757.92	6,807.08	6,792.92	241.86	235.91	88.93	539.52	-5,967.39	2,257.02	1,876.00	381.03	5.924		
15,300.00	6,756.49	6,808.51	6,791.49	244.70	235.96	88.87	539.52	-5,967.39	2,337.27	1,959.48	377.79	6.187		
15,334.64	6,756.00	6,809.00	6,791.00	245.68	235.98	88.85	539.52	-5,967.39	2,365.42	1,988.71	376.70	6.279		
15,335.52	6,755.99	6,809.01	6,790.99	245.70	235.98	88.85	539.52	-5,967.39	2,366.14	1,989.46	376.68	6.282		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-96.76	-1,016.72	-8,577.64	8,637.69					
100.00	100.00	133.00	133.00	3.28	4.38	-96.76	-1,016.72	-8,577.64	8,637.69	8,630.03	7.66	1,127.454		
200.00	200.00	233.00	233.00	3.34	7.18	-96.76	-1,016.72	-8,577.64	8,637.69	8,627.17	10.52	821.200		
300.00	300.00	333.00	333.00	3.44	10.41	-96.76	-1,016.72	-8,577.64	8,637.69	8,623.84	13.85	623.449		
400.00	399.98	432.98	432.98	3.60	13.77	133.13	-1,016.72	-8,577.64	8,638.88	8,621.52	17.36	497.538		
500.00	499.84	532.84	532.84	3.79	17.17	133.10	-1,016.72	-8,577.64	8,642.46	8,621.50	20.96	412.296		
600.00	599.45	632.45	632.45	4.03	20.60	133.06	-1,016.72	-8,577.64	8,648.43	8,623.81	24.62	351.265		
700.00	698.70	731.70	731.70	4.30	24.02	133.00	-1,016.72	-8,577.64	8,656.78	8,628.46	28.32	305.679		
785.00	782.69	815.69	815.69	4.56	26.93	132.93	-1,016.72	-8,577.64	8,665.75	8,634.26	31.49	275.230		
800.00	797.47	830.47	830.47	4.60	27.44	132.94	-1,016.72	-8,577.64	8,667.48	8,635.44	32.05	270.462		
900.00	896.04	929.04	929.04	4.94	30.86	133.02	-1,016.72	-8,577.64	8,679.06	8,643.26	35.80	242.462		
1,000.00	994.61	1,027.61	1,027.61	5.30	34.29	133.10	-1,016.72	-8,577.64	8,690.65	8,651.08	39.57	219.622		
1,100.00	1,093.18	1,126.18	1,126.18	5.69	37.71	133.18	-1,016.72	-8,577.64	8,702.26	8,658.89	43.37	200.661		
1,200.00	1,191.75	1,224.75	1,224.75	6.08	41.14	133.26	-1,016.72	-8,577.64	8,713.88	8,666.70	47.18	184.685		
1,300.00	1,290.32	1,323.32	1,323.32	6.49	44.57	133.34	-1,016.72	-8,577.64	8,725.53	8,674.52	51.01	171.052		
1,400.00	1,388.89	1,421.89	1,421.89	6.91	48.01	133.42	-1,016.72	-8,577.64	8,737.19	8,682.34	54.85	159.290		
1,500.00	1,487.46	1,520.46	1,520.46	7.34	51.44	133.50	-1,016.72	-8,577.64	8,748.87	8,690.16	58.70	149.043		
1,600.00	1,586.03	1,619.03	1,619.03	7.77	54.87	133.58	-1,016.72	-8,577.64	8,760.56	8,698.00	62.56	140.040		
1,700.00	1,684.61	1,717.61	1,717.61	8.22	58.31	133.66	-1,016.72	-8,577.64	8,772.27	8,705.85	66.42	132.069		
1,800.00	1,783.18	1,816.18	1,816.18	8.66	61.74	133.74	-1,016.72	-8,577.64	8,784.00	8,713.71	70.29	124.965		
1,900.00	1,881.75	1,914.75	1,914.75	9.11	65.18	133.82	-1,016.72	-8,577.64	8,795.74	8,721.58	74.17	118.595		
2,000.00	1,980.32	2,013.32	2,013.32	9.57	68.62	133.89	-1,016.72	-8,577.64	8,807.50	8,729.46	78.04	112.852		
2,100.00	2,078.89	2,111.89	2,111.89	10.02	72.06	133.97	-1,016.72	-8,577.64	8,819.28	8,737.35	81.93	107.648		
2,200.00	2,177.46	2,210.46	2,210.46	10.49	75.49	134.05	-1,016.72	-8,577.64	8,831.07	8,745.26	85.81	102.912		
2,300.00	2,276.03	2,309.03	2,309.03	10.95	78.93	134.13	-1,016.72	-8,577.64	8,842.88	8,753.18	89.70	98.583		
2,400.00	2,374.60	2,407.60	2,407.60	11.41	82.37	134.21	-1,016.72	-8,577.64	8,854.71	8,761.12	93.59	94.611		
2,500.00	2,473.17	2,506.17	2,506.17	11.88	85.81	134.28	-1,016.72	-8,577.64	8,866.55	8,769.07	97.48	90.955		
2,600.00	2,571.74	2,604.74	2,604.74	12.35	89.25	134.36	-1,016.72	-8,577.64	8,878.41	8,777.03	101.38	87.578		
2,700.00	2,670.31	2,703.31	2,703.31	12.82	92.69	134.44	-1,016.72	-8,577.64	8,890.28	8,785.01	105.27	84.450		
2,800.00	2,768.88	2,801.88	2,801.88	13.29	96.12	134.51	-1,016.72	-8,577.64	8,902.18	8,793.01	109.17	81.545		
2,900.00	2,867.45	2,900.45	2,900.45	13.76	99.56	134.59	-1,016.72	-8,577.64	8,914.08	8,801.01	113.07	78.838		
3,000.00	2,966.02	3,000.98	2,999.02	14.24	103.07	134.67	-1,016.72	-8,577.64	8,926.01	8,808.97	117.04	76.267		
3,100.00	3,064.59	3,102.41	3,097.59	14.71	106.61	134.74	-1,016.72	-8,577.64	8,937.94	8,816.91	121.04	73.845		
3,200.00	3,163.16	3,203.84	3,196.16	15.19	110.15	134.82	-1,016.72	-8,577.64	8,949.90	8,824.86	125.04	71.578		
3,300.00	3,261.73	3,305.27	3,294.73	15.66	113.69	134.90	-1,016.72	-8,577.64	8,961.87	8,832.83	129.04	69.451		
3,400.00	3,360.30	3,406.70	3,393.30	16.14	117.23	134.97	-1,016.72	-8,577.64	8,973.85	8,840.81	133.04	67.451		
3,500.00	3,458.87	3,508.13	3,491.87	16.62	120.77	135.05	-1,016.72	-8,577.64	8,985.86	8,848.81	137.05	65.568		
3,600.00	3,557.44	3,609.56	3,590.44	17.10	124.31	135.12	-1,016.72	-8,577.64	8,997.87	8,856.82	141.05	63.792		
3,700.00	3,656.01	3,689.01	3,689.01	17.58	127.08	135.20	-1,016.72	-8,577.64	9,009.91	8,865.62	144.29	62.444		
3,800.00	3,754.58	3,787.58	3,787.58	18.06	130.52	135.27	-1,016.72	-8,577.64	9,021.95	8,873.76	148.19	60.880		
3,900.00	3,853.15	3,886.15	3,886.15	18.54	133.96	135.35	-1,016.72	-8,577.64	9,034.02	8,881.92	152.10	59.395		
4,000.00	3,951.72	3,984.72	3,984.72	19.02	137.40	135.42	-1,016.72	-8,577.64	9,046.09	8,890.09	156.01	57.986		
4,100.00	4,050.29	4,083.29	4,083.29	19.50	140.84	135.50	-1,016.72	-8,577.64	9,058.19	8,898.28	159.91	56.645		
4,200.00	4,148.86	4,181.86	4,181.86	19.98	144.28	135.57	-1,016.72	-8,577.64	9,070.30	8,906.48	163.82	55.368		
4,300.00	4,247.43	4,280.43	4,280.43	20.46	147.72	135.64	-1,016.72	-8,577.64	9,082.42	8,914.69	167.73	54.150		
4,400.00	4,346.00	4,379.00	4,379.00	20.94	151.16	135.72	-1,016.72	-8,577.64	9,094.56	8,922.93	171.63	52.988		
4,500.00	4,444.58	4,477.58	4,477.58	21.43	154.60	135.79	-1,016.72	-8,577.64	9,106.71	8,931.17	175.54	51.877		
4,600.00	4,543.15	4,576.15	4,576.15	21.91	158.04	135.86	-1,016.72	-8,577.64	9,118.88	8,939.43	179.45	50.815		
4,700.00	4,641.72	4,674.72	4,674.72	22.39	161.48	135.94	-1,016.72	-8,577.64	9,131.07	8,947.71	183.36	49.799		
4,800.00	4,740.29	4,773.29	4,773.29	22.87	164.92	136.01	-1,016.72	-8,577.64	9,143.27	8,956.00	187.27	48.824		
4,900.00	4,838.86	4,871.86	4,871.86	23.36	168.36	136.08	-1,016.72	-8,577.64	9,155.48	8,964.30	191.18	47.890		
5,000.00	4,937.43	4,970.43	4,970.43	23.84	171.80	136.16	-1,016.72	-8,577.64	9,167.71	8,972.62	195.09	46.993		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,069.00	5,069.00	24.32	175.24	136.23	-1,016.72	-8,577.64	9,179.95	8,980.96	199.00	46.131		
5,200.00	5,134.57	5,167.57	5,167.57	24.81	178.68	136.30	-1,016.72	-8,577.64	9,192.21	8,989.30	202.90	45.303		
5,300.00	5,233.14	5,266.14	5,266.14	25.29	182.13	136.37	-1,016.72	-8,577.64	9,204.48	8,997.67	206.81	44.506		
5,400.00	5,331.71	5,364.71	5,364.71	25.78	185.57	136.44	-1,016.72	-8,577.64	9,216.77	9,006.04	210.72	43.739		
5,500.00	5,430.28	5,463.28	5,463.28	26.26	189.01	136.52	-1,016.72	-8,577.64	9,229.07	9,014.43	214.63	42.999		
5,600.00	5,528.85	5,561.85	5,561.85	26.75	192.45	136.59	-1,016.72	-8,577.64	9,241.38	9,022.84	218.54	42.286		
5,700.00	5,627.42	5,660.42	5,660.42	27.23	195.89	136.66	-1,016.72	-8,577.64	9,253.71	9,031.26	222.45	41.598		
5,800.00	5,725.99	5,758.99	5,758.99	27.72	199.33	136.73	-1,016.72	-8,577.64	9,266.05	9,039.69	226.36	40.934		
5,900.00	5,824.56	5,857.56	5,857.56	28.20	202.77	136.80	-1,016.72	-8,577.64	9,278.41	9,048.14	230.27	40.293		
6,000.00	5,923.13	5,956.13	5,956.13	28.69	206.21	136.87	-1,016.72	-8,577.64	9,290.78	9,056.60	234.18	39.673		
6,100.00	6,021.70	6,054.70	6,054.70	29.17	209.65	136.94	-1,016.72	-8,577.64	9,303.17	9,065.08	238.09	39.073		
6,200.00	6,120.27	6,153.27	6,153.27	29.66	213.09	137.01	-1,016.72	-8,577.64	9,315.57	9,073.57	242.00	38.493		
6,238.51	6,158.23	6,208.77	6,191.23	29.84	215.03	137.04	-1,016.72	-8,577.64	9,320.35	9,076.23	244.12	38.179		
6,250.00	6,169.57	6,202.57	6,202.57	29.90	214.81	132.63	-1,016.72	-8,577.64	9,321.67	9,077.71	243.96	38.210		
6,300.00	6,219.12	6,252.12	6,252.12	30.13	216.54	103.72	-1,016.72	-8,577.64	9,325.03	9,079.11	245.92	37.920		
6,350.00	6,268.78	6,301.78	6,301.78	30.33	218.27	66.04	-1,016.72	-8,577.64	9,324.46	9,076.61	247.86	37.620		
6,400.00	6,318.25	6,351.25	6,351.25	30.52	220.00	41.28	-1,016.72	-8,577.64	9,319.98	9,070.21	249.77	37.314		
6,450.00	6,367.22	6,400.22	6,400.22	30.69	221.71	28.60	-1,016.72	-8,577.64	9,311.61	9,059.96	251.65	37.002		
6,500.00	6,415.39	6,448.39	6,448.39	30.86	223.39	21.61	-1,016.72	-8,577.64	9,299.41	9,045.92	253.48	36.686		
6,550.00	6,462.47	6,504.53	6,495.47	31.02	225.35	17.33	-1,016.72	-8,577.64	9,283.44	9,027.86	255.58	36.323		
6,600.00	6,508.16	6,541.16	6,541.16	31.18	226.63	14.49	-1,016.72	-8,577.64	9,263.80	9,006.82	256.98	36.048		
6,650.00	6,552.18	6,585.18	6,585.18	31.34	228.17	12.50	-1,016.72	-8,577.64	9,240.63	8,982.00	258.63	35.730		
6,700.00	6,594.26	6,627.26	6,627.26	31.51	229.64	11.03	-1,016.72	-8,577.64	9,214.05	8,953.86	260.19	35.413		
6,750.00	6,634.14	6,667.14	6,667.14	31.68	231.03	9.91	-1,016.72	-8,577.64	9,184.23	8,922.57	261.66	35.100		
6,800.00	6,671.58	6,704.58	6,704.58	31.86	232.33	9.04	-1,016.72	-8,577.64	9,151.36	8,888.33	263.04	34.791		
6,850.00	6,706.34	6,739.34	6,739.34	32.06	233.55	8.36	-1,016.72	-8,577.64	9,115.64	8,851.34	264.30	34.489		
6,900.00	6,738.21	6,771.21	6,771.21	32.27	234.66	7.80	-1,016.72	-8,577.64	9,077.29	8,811.83	265.46	34.195		
6,950.00	6,766.99	6,800.01	6,799.99	32.52	235.67	7.35	-1,016.72	-8,577.64	9,036.54	8,770.04	266.50	33.908		
7,000.00	6,792.51	6,825.51	6,825.51	32.80	236.56	6.98	-1,016.72	-8,577.64	8,993.65	8,726.23	267.41	33.632		
7,050.00	6,814.61	6,847.61	6,847.61	33.12	237.33	6.66	-1,016.72	-8,577.64	8,948.87	8,680.67	268.20	33.366		
7,100.00	6,833.15	6,866.15	6,866.15	33.48	237.97	6.37	-1,016.72	-8,577.64	8,902.49	8,633.63	268.86	33.112		
7,150.00	6,848.02	6,881.02	6,881.02	33.89	238.49	6.09	-1,016.72	-8,577.64	8,854.79	8,585.41	269.38	32.871		
7,200.00	6,859.13	6,907.87	6,892.13	34.35	239.43	5.73	-1,016.72	-8,577.64	8,806.07	8,535.75	270.32	32.576		
7,250.00	6,866.40	6,900.60	6,899.40	34.86	239.18	5.05	-1,016.72	-8,577.64	8,756.62	8,486.55	270.07	32.424		
7,300.00	6,869.79	6,902.79	6,902.79	35.40	239.25	1.02	-1,016.72	-8,577.64	8,706.75	8,436.60	270.14	32.230		
7,327.68	6,870.00	6,903.00	6,903.00	35.71	239.26	-162.74	-1,016.72	-8,577.64	8,679.07	8,408.91	270.15	32.127		
7,400.00	6,868.97	6,901.97	6,901.97	36.61	239.23	-162.61	-1,016.72	-8,577.64	8,606.76	8,336.64	270.12	31.863		
7,500.00	6,867.54	6,900.54	6,900.54	38.01	239.18	-162.42	-1,016.72	-8,577.64	8,506.77	8,236.69	270.07	31.498		
7,600.00	6,866.12	6,900.88	6,899.12	39.58	239.19	-162.22	-1,016.72	-8,577.64	8,406.78	8,136.69	270.09	31.126		
7,700.00	6,864.69	6,902.31	6,897.69	41.29	239.24	-162.02	-1,016.72	-8,577.64	8,306.79	8,036.64	270.15	30.749		
7,800.00	6,863.27	6,903.73	6,896.27	43.12	239.29	-161.81	-1,016.72	-8,577.64	8,206.80	7,936.59	270.21	30.372		
7,900.00	6,861.85	6,905.15	6,894.85	45.06	239.34	-161.61	-1,016.72	-8,577.64	8,106.81	7,836.55	270.27	29.996		
8,000.00	6,860.42	6,906.58	6,893.42	47.10	239.39	-161.39	-1,016.72	-8,577.64	8,006.82	7,736.50	270.33	29.619		
8,100.00	6,859.00	6,908.00	6,892.00	49.21	239.44	-161.17	-1,016.72	-8,577.64	7,906.83	7,636.45	270.39	29.242		
8,200.00	6,857.57	6,909.43	6,890.57	51.40	239.49	-160.95	-1,016.72	-8,577.64	7,806.85	7,536.39	270.45	28.866		
8,300.00	6,856.15	6,889.15	6,889.15	53.65	238.78	-160.72	-1,016.72	-8,577.64	7,706.86	7,437.10	269.76	28.569		
8,400.00	6,854.72	6,887.72	6,887.72	55.96	238.73	-160.49	-1,016.72	-8,577.64	7,606.87	7,337.14	269.72	28.202		
8,500.00	6,853.30	6,886.30	6,886.30	58.31	238.68	-160.25	-1,016.72	-8,577.64	7,506.88	7,237.19	269.69	27.835		
8,600.00	6,851.88	6,884.88	6,884.88	60.70	238.63	-160.00	-1,016.72	-8,577.64	7,406.89	7,137.23	269.66	27.468		
8,700.00	6,850.45	6,883.45	6,883.45	63.14	238.58	-159.75	-1,016.72	-8,577.64	7,306.90	7,037.28	269.63	27.100		
8,800.00	6,849.03	6,882.03	6,882.03	65.60	238.53	-159.49	-1,016.72	-8,577.64	7,206.91	6,937.32	269.60	26.732		
8,900.00	6,847.60	6,880.60	6,880.60	68.10	238.48	-159.23	-1,016.72	-8,577.64	7,106.93	6,837.36	269.57	26.364		

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 34N-6A-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 34N-6A-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	6,846.18	6,879.18	6,879.18	70.62	238.43	-158.96	-1,016.72	-8,577.64	7,006.94	6,737.40	269.54	25.996		
9,100.00	6,844.75	6,877.75	6,877.75	73.17	238.38	-158.68	-1,016.72	-8,577.64	6,906.95	6,637.43	269.52	25.627		
9,200.00	6,843.33	6,876.33	6,876.33	75.73	238.33	-158.39	-1,016.72	-8,577.64	6,806.96	6,537.47	269.49	25.259		
9,300.00	6,841.91	6,874.91	6,874.91	78.32	238.28	-158.10	-1,016.72	-8,577.64	6,706.97	6,437.51	269.47	24.890		
9,400.00	6,840.48	6,873.48	6,873.48	80.92	238.23	-157.80	-1,016.72	-8,577.64	6,606.99	6,337.54	269.44	24.521		
9,500.00	6,839.06	6,872.06	6,872.06	83.54	238.18	-157.50	-1,016.72	-8,577.64	6,507.00	6,237.58	269.42	24.152		
9,600.00	6,837.63	6,870.63	6,870.63	86.18	238.13	-157.18	-1,016.72	-8,577.64	6,407.01	6,137.61	269.40	23.783		
9,700.00	6,836.21	6,869.21	6,869.21	88.82	238.08	-156.86	-1,016.72	-8,577.64	6,307.02	6,037.64	269.38	23.413		
9,800.00	6,834.78	6,867.78	6,867.78	91.48	238.03	-156.52	-1,016.72	-8,577.64	6,207.03	5,937.67	269.36	23.044		
9,900.00	6,833.36	6,866.36	6,866.36	94.15	237.98	-156.18	-1,016.72	-8,577.64	6,107.04	5,837.70	269.34	22.674		
10,000.00	6,831.94	6,864.94	6,864.94	96.83	237.93	-155.83	-1,016.72	-8,577.64	6,007.06	5,737.73	269.33	22.304		
10,100.00	6,830.51	6,863.51	6,863.51	99.52	237.88	-155.47	-1,016.72	-8,577.64	5,907.07	5,637.76	269.31	21.934		
10,200.00	6,829.09	6,862.09	6,862.09	102.22	237.83	-155.10	-1,016.72	-8,577.64	5,807.08	5,537.78	269.30	21.564		
10,300.00	6,827.66	6,860.66	6,860.66	104.92	237.78	-154.71	-1,016.72	-8,577.64	5,707.09	5,437.81	269.28	21.194		
10,400.00	6,826.24	6,859.24	6,859.24	107.63	237.73	-154.32	-1,016.72	-8,577.64	5,607.11	5,337.83	269.27	20.823		
10,500.00	6,824.81	6,857.81	6,857.81	110.35	237.68	-153.92	-1,016.72	-8,577.64	5,507.12	5,237.86	269.26	20.453		
10,600.00	6,823.39	6,856.39	6,856.39	113.08	237.63	-153.50	-1,016.72	-8,577.64	5,407.13	5,137.88	269.25	20.082		
10,700.00	6,821.96	6,854.96	6,854.96	115.81	237.58	-153.07	-1,016.72	-8,577.64	5,307.14	5,037.90	269.24	19.711		
10,800.00	6,820.54	6,853.54	6,853.54	118.54	237.53	-152.63	-1,016.72	-8,577.64	5,207.16	4,937.92	269.24	19.341		
10,900.00	6,819.12	6,852.12	6,852.12	121.29	237.48	-152.17	-1,016.72	-8,577.64	5,107.17	4,837.94	269.23	18.970		
11,000.00	6,817.69	6,850.69	6,850.69	124.03	237.44	-151.70	-1,016.72	-8,577.64	5,007.18	4,737.96	269.22	18.599		
11,100.00	6,816.27	6,849.27	6,849.27	126.78	237.39	-151.22	-1,016.72	-8,577.64	4,907.20	4,637.98	269.22	18.228		
11,200.00	6,814.84	6,847.84	6,847.84	129.54	237.34	-150.72	-1,016.72	-8,577.64	4,807.21	4,537.99	269.22	17.856		
11,300.00	6,813.42	6,846.42	6,846.42	132.29	237.29	-150.20	-1,016.72	-8,577.64	4,707.22	4,438.01	269.21	17.485		
11,400.00	6,811.99	6,844.99	6,844.99	135.05	237.24	-149.67	-1,016.72	-8,577.64	4,607.24	4,338.02	269.21	17.114		
11,500.00	6,810.57	6,843.57	6,843.57	137.82	237.19	-149.11	-1,016.72	-8,577.64	4,507.25	4,238.04	269.21	16.742		
11,534.42	6,810.08	6,843.08	6,843.08	138.77	237.17	-148.92	-1,016.72	-8,577.64	4,472.83	4,203.62	269.21	16.614		
11,600.00	6,809.15	6,842.15	6,842.15	140.59	237.14	-148.43	-1,016.72	-8,577.64	4,407.28	4,138.06	269.21	16.371		
11,645.35	6,808.50	6,841.50	6,841.50	141.85	237.11	-148.09	-1,016.72	-8,577.64	4,361.96	4,092.74	269.22	16.202		
11,700.00	6,807.72	6,840.72	6,840.72	143.37	237.09	-147.63	-1,016.72	-8,577.64	4,307.39	4,038.16	269.23	15.999		
11,800.00	6,806.30	6,839.30	6,839.30	146.16	237.04	-147.16	-1,016.72	-8,577.64	4,207.52	3,938.28	269.24	15.627		
11,900.00	6,804.88	6,837.88	6,837.88	148.94	236.99	-146.68	-1,016.72	-8,577.64	4,107.65	3,838.39	269.26	15.255		
12,000.00	6,803.45	6,836.45	6,836.45	151.74	236.94	-146.22	-1,016.72	-8,577.64	4,007.80	3,738.51	269.29	14.883		
12,100.00	6,802.03	6,835.03	6,835.03	154.53	236.89	-145.75	-1,016.72	-8,577.64	3,907.95	3,638.63	269.32	14.511		
12,200.00	6,800.61	6,833.61	6,833.61	157.32	236.84	-145.28	-1,016.72	-8,577.64	3,808.11	3,538.75	269.36	14.138		
12,300.00	6,799.18	6,832.18	6,832.18	160.12	236.79	-144.81	-1,016.72	-8,577.64	3,708.27	3,438.87	269.40	13.765		
12,400.00	6,797.76	6,830.76	6,830.76	162.92	236.74	-144.34	-1,016.72	-8,577.64	3,608.45	3,338.99	269.45	13.392		
12,500.00	6,796.34	6,829.34	6,829.34	165.72	236.69	-143.87	-1,016.72	-8,577.64	3,508.63	3,239.12	269.51	13.018		
12,600.00	6,794.92	6,827.92	6,827.92	168.53	236.64	-143.40	-1,016.72	-8,577.64	3,408.82	3,139.24	269.58	12.645		
12,700.00	6,793.49	6,826.49	6,826.49	171.33	236.59	-142.93	-1,016.72	-8,577.64	3,309.03	3,039.36	269.67	12.271		
12,800.00	6,792.07	6,825.07	6,825.07	174.14	236.54	-142.46	-1,016.72	-8,577.64	3,209.24	2,939.48	269.76	11.897		
12,900.00	6,790.65	6,823.65	6,823.65	176.95	236.49	-141.99	-1,016.72	-8,577.64	3,109.47	2,839.60	269.87	11.522		
13,000.00	6,789.22	6,822.22	6,822.22	179.76	236.44	-141.52	-1,016.72	-8,577.64	3,009.72	2,739.72	270.00	11.147		
13,100.00	6,787.80	6,820.80	6,820.80	182.57	236.39	-141.05	-1,016.72	-8,577.64	2,909.98	2,639.83	270.15	10.772		
13,200.00	6,786.38	6,819.38	6,819.38	185.38	236.34	-140.58	-1,016.72	-8,577.64	2,810.26	2,539.94	270.31	10.396		
13,300.00	6,784.95	6,817.95	6,817.95	188.20	236.29	-140.11	-1,016.72	-8,577.64	2,710.56	2,440.05	270.51	10.020		
13,400.00	6,783.53	6,816.53	6,816.53	191.01	236.24	-139.64	-1,016.72	-8,577.64	2,610.88	2,340.15	270.73	9.644		
13,500.00	6,782.11	6,815.11	6,815.11	193.83	236.19	-139.17	-1,016.72	-8,577.64	2,511.22	2,240.23	270.99	9.267		
13,600.00	6,780.68	6,813.68	6,813.68	196.65	236.14	-138.70	-1,016.72	-8,577.64	2,411.59	2,140.31	271.29	8.889		
13,700.00	6,779.26	6,812.26	6,812.26	199.47	236.09	-138.23	-1,016.72	-8,577.64	2,312.00	2,040.36	271.63	8.511		
13,800.00	6,777.84	6,810.84	6,810.84	202.29	236.04	-137.76	-1,016.72	-8,577.64	2,212.44	1,940.40	272.04	8.133		
13,900.00	6,776.42	6,809.42	6,809.42	205.11	235.99	-137.29	-1,016.72	-8,577.64	2,112.92	1,840.41	272.51	7.754		

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 34N-6A-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 34N-6A-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
14,000.00	6,774.99	6,807.99	6,807.99	207.93	235.94	-97.75	-1,016.72	-8,577.64	2,013.44	1,740.39	273.06	7.374	
14,100.00	6,773.57	6,806.57	6,806.57	210.76	235.90	-97.37	-1,016.72	-8,577.64	1,914.02	1,640.32	273.70	6.993	
14,200.00	6,772.15	6,805.15	6,805.15	213.58	235.85	-96.98	-1,016.72	-8,577.64	1,814.67	1,540.20	274.47	6.612	
14,300.00	6,770.72	6,803.72	6,803.72	216.40	235.80	-96.60	-1,016.72	-8,577.64	1,715.38	1,440.01	275.37	6.229	
14,400.00	6,769.30	6,802.30	6,802.30	219.23	235.75	-96.22	-1,016.72	-8,577.64	1,616.19	1,339.74	276.45	5.846	
14,500.00	6,767.88	6,800.88	6,800.88	222.06	235.70	-95.83	-1,016.72	-8,577.64	1,517.10	1,239.35	277.75	5.462	
14,600.00	6,766.45	6,800.55	6,799.45	224.89	235.68	-95.45	-1,016.72	-8,577.64	1,418.13	1,138.78	279.35	5.077	
14,700.00	6,765.03	6,801.97	6,798.03	227.71	235.73	-95.06	-1,016.72	-8,577.64	1,319.32	1,037.98	281.34	4.689	
14,800.00	6,763.61	6,803.39	6,796.61	230.54	235.78	-94.67	-1,016.72	-8,577.64	1,220.70	936.93	283.77	4.302	
14,900.00	6,762.19	6,804.82	6,795.19	233.37	235.83	-94.29	-1,016.72	-8,577.64	1,122.32	835.58	286.74	3.914	
15,000.00	6,760.76	6,806.24	6,793.76	236.20	235.88	-93.90	-1,016.72	-8,577.64	1,024.26	733.82	290.44	3.527	
15,100.00	6,759.34	6,807.66	6,792.34	239.03	235.93	-93.51	-1,016.72	-8,577.64	926.61	631.53	295.08	3.140	
15,200.00	6,757.92	6,809.08	6,790.92	241.86	235.98	-93.12	-1,016.72	-8,577.64	829.51	528.51	301.00	2.756	
15,300.00	6,756.49	6,789.49	6,789.49	244.70	235.30	-92.73	-1,016.72	-8,577.64	733.19	425.22	307.97	2.381	
15,334.64	6,756.00	6,789.00	6,789.00	245.68	235.28	-92.60	-1,016.72	-8,577.64	700.07	388.93	311.15	2.250	
15,335.52	6,755.99	6,788.99	6,788.99	245.70	235.28	-92.60	-1,016.72	-8,577.64	699.23	388.00	311.23	2.247	CC, ES, SF

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-102.98	-1,254.41	-5,443.34	5,586.01					
100.00	100.00	63.74	63.74	3.28	3.28	-102.98	-1,254.27	-5,443.61	5,586.39	5,579.82	6.57	850.561		
200.00	200.00	155.02	155.01	3.34	3.31	-102.97	-1,253.72	-5,444.65	5,587.34	5,580.70	6.65	840.345		
300.00	300.00	264.24	264.23	3.44	3.41	-102.96	-1,253.22	-5,445.58	5,588.06	5,581.21	6.85	815.483		
400.00	399.98	382.13	382.11	3.60	3.58	126.94	-1,252.70	-5,446.44	5,589.73	5,582.56	7.17	779.162		
500.00	499.84	491.90	491.88	3.79	3.79	126.94	-1,252.13	-5,446.88	5,593.16	5,585.58	7.58	738.061		
600.00	599.45	609.28	609.25	4.03	4.06	126.94	-1,251.33	-5,447.14	5,598.47	5,590.39	8.09	692.297		
700.00	698.70	713.63	713.61	4.30	4.34	126.94	-1,250.29	-5,447.20	5,605.67	5,597.03	8.64	649.015		
785.00	782.69	788.07	788.03	4.56	4.56	126.92	-1,249.54	-5,447.28	5,613.49	5,604.38	9.11	616.148		
800.00	797.47	801.23	801.20	4.60	4.60	126.94	-1,249.41	-5,447.31	5,615.02	5,605.82	9.20	610.410		
900.00	896.04	893.57	893.53	4.94	4.88	127.08	-1,248.41	-5,447.59	5,625.32	5,615.50	9.82	573.122		
1,000.00	994.61	998.73	998.66	5.30	5.23	127.25	-1,246.01	-5,448.18	5,635.65	5,625.14	10.52	535.957		
1,100.00	1,093.18	1,051.97	1,051.84	5.69	5.42	127.34	-1,243.62	-5,448.91	5,646.35	5,635.27	11.08	509.725		
1,200.00	1,191.75	1,105.85	1,105.59	6.08	5.61	127.45	-1,240.17	-5,450.32	5,657.89	5,646.23	11.66	485.155		
1,300.00	1,290.32	1,180.12	1,179.52	6.49	5.92	127.63	-1,233.61	-5,453.05	5,670.06	5,657.70	12.37	458.535		
1,400.00	1,388.89	1,265.94	1,264.61	6.91	6.32	127.85	-1,223.30	-5,457.05	5,682.64	5,669.47	13.17	431.435		
1,500.00	1,487.46	1,387.56	1,384.46	7.34	6.97	128.22	-1,203.71	-5,463.60	5,695.29	5,681.05	14.23	400.117		
1,600.00	1,586.03	1,504.24	1,498.60	7.77	7.67	128.61	-1,180.42	-5,470.12	5,707.59	5,692.22	15.36	371.547		
1,700.00	1,684.61	1,685.37	1,673.67	8.22	8.94	129.31	-1,135.13	-5,480.05	5,719.11	5,702.05	17.06	335.138		
1,800.00	1,783.18	1,827.45	1,808.76	8.66	10.09	129.92	-1,091.77	-5,487.11	5,729.48	5,710.83	18.66	307.117		
1,900.00	1,881.75	1,873.92	1,852.46	9.11	10.50	130.14	-1,076.18	-5,489.75	5,740.51	5,721.01	19.50	294.384		
2,000.00	1,980.32	1,922.51	1,897.96	9.57	10.94	130.37	-1,059.47	-5,492.93	5,752.54	5,732.17	20.38	282.324		
2,100.00	2,078.89	1,973.97	1,945.97	10.02	11.43	130.61	-1,041.32	-5,496.70	5,765.51	5,744.22	21.29	270.788		
2,200.00	2,177.46	2,042.64	2,009.72	10.49	12.09	130.95	-1,016.40	-5,502.23	5,779.35	5,756.96	22.39	258.113		
2,300.00	2,276.03	2,122.16	2,083.14	10.95	12.88	131.34	-986.55	-5,508.81	5,793.68	5,770.06	23.61	245.363		
2,400.00	2,374.60	2,188.45	2,144.29	11.41	13.54	131.67	-961.60	-5,514.48	5,808.65	5,783.94	24.71	235.120		
2,500.00	2,473.17	2,277.99	2,227.05	11.88	14.40	132.11	-928.34	-5,522.25	5,824.18	5,798.18	26.00	223.967		
2,600.00	2,571.74	2,351.18	2,294.86	12.35	15.09	132.47	-901.50	-5,528.56	5,840.12	5,812.99	27.13	215.274		
2,700.00	2,670.31	2,424.49	2,362.75	12.82	15.78	132.82	-874.64	-5,535.11	5,856.71	5,828.46	28.24	207.354		
2,800.00	2,768.88	2,530.99	2,461.49	13.29	16.77	133.33	-835.87	-5,544.58	5,873.69	5,844.02	29.67	197.985		
2,900.00	2,867.45	2,641.03	2,563.24	13.76	17.79	133.86	-794.97	-5,553.74	5,890.47	5,859.34	31.13	189.242		
3,000.00	2,966.02	2,700.00	2,617.60	14.24	18.35	134.15	-772.68	-5,558.72	5,907.78	5,875.68	32.10	184.016		
3,100.00	3,064.59	2,760.77	2,673.62	14.71	18.92	134.44	-749.76	-5,564.12	5,925.87	5,892.77	33.10	179.043		
3,200.00	3,163.16	2,846.87	2,753.15	15.19	19.73	134.86	-717.77	-5,572.19	5,944.76	5,910.43	34.33	173.182		
3,300.00	3,261.73	3,005.91	2,900.15	15.66	21.19	135.61	-658.60	-5,585.75	5,963.29	5,927.06	36.23	164.609		
3,400.00	3,360.30	3,101.91	2,989.33	16.14	22.03	136.05	-623.89	-5,593.28	5,981.65	5,944.17	37.48	159.586		
3,500.00	3,458.87	3,149.63	3,033.84	16.62	22.43	136.27	-607.10	-5,597.13	6,000.57	5,962.28	38.29	156.715		
3,600.00	3,557.44	3,200.00	3,080.85	17.10	22.85	136.49	-589.56	-5,601.51	6,020.39	5,981.27	39.12	153.910		
3,700.00	3,656.01	3,386.72	3,254.43	17.58	24.46	137.34	-522.61	-5,617.31	6,040.64	5,999.48	41.17	146.730		
3,800.00	3,754.58	3,471.74	3,333.33	18.06	25.18	137.72	-491.54	-5,623.47	6,059.89	6,017.58	42.31	143.233		
3,900.00	3,853.15	3,500.00	3,359.57	18.54	25.42	137.85	-481.27	-5,625.57	6,079.88	6,036.94	42.94	141.591		
4,000.00	3,951.72	3,549.64	3,405.67	19.02	25.86	138.07	-463.29	-5,629.63	6,100.80	6,057.03	43.76	139.403		
4,100.00	4,050.29	3,600.00	3,452.38	19.50	26.30	138.30	-445.11	-5,634.50	6,123.01	6,078.43	44.59	137.320		
4,200.00	4,148.86	4,200.00	3,520.98	19.98	31.73	138.63	-418.04	-5,641.69	6,145.75	6,095.47	50.28	122.236		
4,300.00	4,247.43	3,850.29	3,683.53	20.46	28.58	139.43	-351.80	-5,656.91	6,167.72	6,120.04	47.68	129.362		
4,400.00	4,346.00	3,949.25	3,774.45	20.94	29.49	139.89	-313.56	-5,664.89	6,189.84	6,140.85	48.99	126.357		
4,500.00	4,444.58	4,028.46	3,847.17	21.43	30.23	140.25	-282.78	-5,671.10	6,212.15	6,162.04	50.11	123.977		
4,600.00	4,543.15	4,081.98	3,896.27	21.91	30.73	140.50	-261.96	-5,675.52	6,235.17	6,184.19	50.98	122.314		
4,700.00	4,641.72	4,170.65	3,977.80	22.39	31.54	140.90	-227.94	-5,683.17	6,258.81	6,206.64	52.17	119.969		
4,800.00	4,740.29	4,253.74	4,054.61	22.87	32.29	141.26	-197.06	-5,690.28	6,282.66	6,229.37	53.29	117.895		
4,900.00	4,838.86	4,354.81	4,148.05	23.36	33.18	141.70	-159.54	-5,699.01	6,306.91	6,252.35	54.56	115.586		
5,000.00	4,937.43	4,452.30	4,238.21	23.84	34.04	142.12	-123.32	-5,707.01	6,331.08	6,275.28	55.80	113.463		

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 34N-6A-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 34N-6A-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	5,036.00	4,521.37	4,302.08	24.32	34.65	142.42	-97.66	-5,712.75	6,355.68	6,298.92	56.77	111.961		
5,200.00	5,134.57	4,579.30	4,355.58	24.81	35.17	142.66	-76.02	-5,717.78	6,380.93	6,323.29	57.63	110.718		
5,300.00	5,233.14	4,681.57	4,450.09	25.29	36.07	143.10	-38.03	-5,726.89	6,406.66	6,347.76	58.91	108.762		
5,400.00	5,331.71	4,759.73	4,522.62	25.78	36.75	143.42	-9.73	-5,733.76	6,432.49	6,372.56	59.93	107.329		
5,500.00	5,430.28	4,833.25	4,590.91	26.26	37.39	143.72	16.65	-5,740.43	6,458.81	6,397.89	60.91	106.030		
5,600.00	5,528.85	4,921.57	4,672.62	26.75	38.17	144.09	49.24	-5,748.45	6,485.53	6,423.49	62.04	104.535		
5,700.00	5,627.42	5,028.37	4,771.14	27.23	39.13	144.53	89.45	-5,757.59	6,512.18	6,448.83	63.35	102.789		
5,800.00	5,725.99	5,086.68	4,824.94	27.72	39.65	144.77	111.32	-5,762.71	6,539.32	6,475.12	64.20	101.854		
5,900.00	5,824.56	5,182.99	4,913.98	28.20	40.50	145.17	146.98	-5,771.43	6,566.92	6,501.52	65.40	100.412		
6,000.00	5,923.13	5,293.54	5,016.42	28.69	41.47	145.61	187.38	-5,781.17	6,594.51	6,527.80	66.71	98.850		
6,100.00	6,021.70	5,355.21	5,073.53	29.17	42.01	145.85	210.00	-5,786.57	6,622.36	6,554.79	67.57	98.006		
6,200.00	6,120.27	5,431.68	5,144.18	29.66	42.69	146.16	238.47	-5,793.50	6,650.81	6,582.24	68.57	96.991		
6,238.51	6,158.23	5,484.36	5,192.74	29.84	43.17	146.37	258.34	-5,798.12	6,661.78	6,592.60	69.18	96.293		
6,250.00	6,169.57	5,500.07	5,207.21	29.90	43.31	141.98	264.31	-5,799.46	6,664.94	6,595.58	69.36	96.087		
6,300.00	6,219.12	5,542.57	5,246.43	30.13	43.68	113.04	280.30	-5,803.10	6,676.43	6,606.54	69.89	95.530		
6,350.00	6,268.78	5,585.93	5,286.59	30.33	44.06	75.39	296.20	-5,806.90	6,684.18	6,613.78	70.41	94.939		
6,400.00	6,318.25	5,640.00	5,367.90	30.52	51.01	50.90	328.29	-5,814.11	6,687.82	6,610.60	77.22	86.606		
6,450.00	6,367.22	5,766.64	5,454.15	30.69	45.58	38.57	362.31	-5,821.20	6,687.45	6,615.24	72.21	92.615		
6,500.00	6,415.39	5,868.27	5,536.60	30.86	48.11	33.14	481.53	-5,844.61	6,681.12	6,606.04	75.08	88.988		
6,550.00	6,462.47	6,200.00	5,867.43	31.02	48.26	29.13	488.92	-5,846.12	6,670.84	6,595.52	75.32	88.569		
6,600.00	6,508.16	6,371.91	6,035.93	31.18	48.95	27.11	521.91	-5,853.91	6,656.29	6,580.11	76.19	87.366		
6,650.00	6,552.18	6,442.28	6,105.31	31.34	49.20	25.71	533.29	-5,856.75	6,637.83	6,561.30	76.53	86.734		
6,700.00	6,594.26	6,878.80	6,539.71	31.51	50.42	26.14	572.21	-5,867.49	6,615.61	6,537.58	78.03	84.782		
6,750.00	6,634.14	6,925.83	6,586.70	31.68	50.54	25.95	573.89	-5,867.56	6,587.87	6,509.67	78.21	84.238		
6,800.00	6,671.58	6,964.97	6,625.83	31.86	50.63	26.19	574.93	-5,867.66	6,557.08	6,478.73	78.35	83.694		
6,850.00	6,706.34	7,001.54	6,662.39	32.06	50.72	26.88	575.62	-5,867.80	6,523.42	6,444.95	78.47	83.134		
6,900.00	6,738.21	7,036.02	6,696.86	32.27	50.80	28.04	576.14	-5,867.95	6,487.12	6,408.54	78.58	82.558		
6,950.00	6,766.99	7,067.17	6,728.02	32.52	50.88	29.74	576.58	-5,868.08	6,448.39	6,369.73	78.67	81.969		
7,000.00	6,792.51	7,094.82	6,755.66	32.80	50.94	32.12	576.94	-5,868.19	6,407.49	6,328.74	78.75	81.369		
7,050.00	6,814.61	7,116.30	6,777.14	33.12	51.00	35.36	577.21	-5,868.28	6,364.66	6,285.85	78.80	80.765		
7,100.00	6,833.15	7,133.79	6,794.63	33.48	51.04	39.80	577.44	-5,868.35	6,320.18	6,241.33	78.85	80.153		
7,150.00	6,848.02	7,147.86	6,808.69	33.89	51.07	45.94	577.62	-5,868.41	6,274.32	6,195.43	78.89	79.533		
7,200.00	6,859.13	7,158.42	6,819.25	34.35	51.10	54.50	577.76	-5,868.46	6,227.37	6,148.45	78.92	78.905		
7,250.00	6,866.40	7,165.40	6,826.24	34.86	51.12	66.34	577.86	-5,868.49	6,179.61	6,100.66	78.95	78.272		
7,300.00	6,869.79	7,168.77	6,829.60	35.40	51.12	81.82	577.90	-5,868.50	6,131.33	6,052.35	78.98	77.636		
7,327.68	6,870.00	7,169.06	6,829.90	35.71	51.12	91.56	577.91	-5,868.50	6,104.48	6,025.50	78.99	77.282		
7,400.00	6,868.97	7,168.37	6,829.21	36.61	51.12	91.54	577.90	-5,868.50	6,034.34	5,955.31	79.03	76.356		
7,500.00	6,867.54	7,167.41	6,828.25	38.01	51.12	91.50	577.88	-5,868.49	5,937.42	5,858.32	79.10	75.061		
7,600.00	6,866.12	7,166.45	6,827.29	39.58	51.12	91.46	577.87	-5,868.49	5,840.61	5,761.41	79.20	73.748		
7,700.00	6,864.69	7,165.49	6,826.33	41.29	51.12	91.43	577.86	-5,868.49	5,743.91	5,664.59	79.32	72.417		
7,800.00	6,863.27	7,164.53	6,825.37	43.12	51.11	91.39	577.85	-5,868.48	5,647.32	5,567.86	79.46	71.068		
7,900.00	6,861.85	7,163.57	6,824.40	45.06	51.11	91.35	577.83	-5,868.48	5,550.85	5,471.21	79.64	69.701		
8,000.00	6,860.42	7,162.60	6,823.44	47.10	51.11	91.31	577.82	-5,868.47	5,454.51	5,374.67	79.84	68.315		
8,100.00	6,859.00	7,161.64	6,822.47	49.21	51.11	91.28	577.81	-5,868.47	5,358.31	5,278.23	80.08	66.910		
8,200.00	6,857.57	7,160.67	6,821.51	51.40	51.10	91.24	577.79	-5,868.47	5,262.24	5,181.89	80.36	65.487		
8,300.00	6,856.15	7,159.70	6,820.54	53.65	51.10	91.20	577.78	-5,868.46	5,166.33	5,085.66	80.67	64.046		
8,400.00	6,854.72	7,158.73	6,819.57	55.96	51.10	91.16	577.77	-5,868.46	5,070.57	4,989.55	81.02	62.587		
8,500.00	6,853.30	7,157.76	6,818.60	58.31	51.10	91.13	577.76	-5,868.45	4,974.98	4,893.57	81.41	61.111		
8,600.00	6,851.88	7,156.79	6,817.62	60.70	51.09	91.09	577.74	-5,868.45	4,879.56	4,797.72	81.85	59.618		
8,700.00	6,850.45	7,155.81	6,816.65	63.14	51.09	91.05	577.73	-5,868.44	4,784.34	4,702.00	82.33	58.110		
8,800.00	6,849.03	7,154.84	6,815.67	65.60	51.09	91.01	577.72	-5,868.44	4,689.31	4,606.44	82.87	56.587		
8,900.00	6,847.60	7,153.86	6,814.70	68.10	51.09	90.97	577.70	-5,868.44	4,594.49	4,511.03	83.46	55.050		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,846.18	7,152.88	6,813.72	70.62	51.09	90.94	577.69	-5,868.43	4,499.90	4,415.79	84.11	53.501		
9,100.00	6,844.75	7,151.90	6,812.74	73.17	51.08	90.90	577.68	-5,868.43	4,405.54	4,320.72	84.82	51.941		
9,200.00	6,843.33	7,150.92	6,811.76	75.73	51.08	90.86	577.66	-5,868.42	4,311.44	4,225.85	85.59	50.373		
9,300.00	6,841.91	7,149.93	6,810.77	78.32	51.08	90.82	577.65	-5,868.42	4,217.61	4,131.18	86.43	48.797		
9,400.00	6,840.48	7,148.95	6,809.79	80.92	51.08	90.78	577.64	-5,868.41	4,124.07	4,036.72	87.35	47.216		
9,500.00	6,839.06	7,147.96	6,808.80	83.54	51.07	90.75	577.62	-5,868.41	4,030.84	3,942.50	88.33	45.632		
9,600.00	6,837.63	7,146.98	6,807.82	86.18	51.07	90.71	577.61	-5,868.41	3,937.94	3,848.54	89.40	44.047		
9,700.00	6,836.21	7,145.99	6,806.83	88.82	51.07	90.67	577.60	-5,868.40	3,845.40	3,754.84	90.56	42.464		
9,800.00	6,834.78	7,145.00	6,805.84	91.48	51.07	90.63	577.59	-5,868.40	3,753.24	3,661.44	91.80	40.885		
9,900.00	6,833.36	7,144.01	6,804.85	94.15	51.06	90.59	577.57	-5,868.39	3,661.49	3,568.35	93.14	39.313		
10,000.00	6,831.94	7,143.02	6,803.85	96.83	51.06	90.55	577.56	-5,868.39	3,570.18	3,475.61	94.57	37.750		
10,100.00	6,830.51	7,142.02	6,802.86	99.52	51.06	90.51	577.55	-5,868.38	3,479.35	3,383.24	96.12	36.200		
10,200.00	6,829.09	7,141.02	6,801.86	102.22	51.06	90.48	577.53	-5,868.38	3,389.04	3,291.27	97.77	34.664		
10,300.00	6,827.66	7,140.03	6,800.87	104.92	51.05	90.44	577.52	-5,868.38	3,299.29	3,199.75	99.54	33.145		
10,400.00	6,826.24	7,139.03	6,799.87	107.63	51.05	90.40	577.51	-5,868.37	3,210.14	3,108.70	101.44	31.646		
10,500.00	6,824.81	7,138.03	6,798.87	110.35	51.05	90.36	577.49	-5,868.37	3,121.65	3,018.18	103.47	30.171		
10,600.00	6,823.39	7,137.03	6,797.87	113.08	51.05	90.32	577.48	-5,868.36	3,033.87	2,928.24	105.63	28.721		
10,700.00	6,821.96	7,136.02	6,796.86	115.81	51.04	90.28	577.47	-5,868.36	2,946.88	2,838.93	107.95	27.299		
10,800.00	6,820.54	7,135.02	6,795.86	118.54	51.04	90.24	577.45	-5,868.36	2,860.73	2,750.31	110.42	25.908		
10,900.00	6,819.12	7,134.01	6,794.85	121.29	51.04	90.20	577.44	-5,868.35	2,775.51	2,662.45	113.05	24.550		
11,000.00	6,817.69	7,133.01	6,793.85	124.03	51.04	90.16	577.43	-5,868.35	2,691.31	2,575.44	115.86	23.228		
11,100.00	6,816.27	7,132.00	6,792.84	126.78	51.03	90.12	577.42	-5,868.34	2,608.22	2,489.37	118.85	21.945		
11,200.00	6,814.84	7,130.99	6,791.83	129.54	51.03	90.09	577.40	-5,868.34	2,526.36	2,404.32	122.04	20.701		
11,300.00	6,813.42	7,129.98	6,790.82	132.29	51.03	90.05	577.39	-5,868.33	2,445.85	2,320.43	125.42	19.501		
11,400.00	6,811.99	7,128.96	6,789.80	135.05	51.03	90.01	577.38	-5,868.33	2,366.82	2,237.81	129.02	18.345		
11,500.00	6,810.57	7,127.95	6,788.79	137.82	51.02	89.97	577.36	-5,868.33	2,289.44	2,156.61	132.83	17.236		
11,534.42	6,810.08	7,127.60	6,788.44	138.77	51.02	89.95	577.36	-5,868.32	2,263.21	2,129.02	134.19	16.865		
11,600.00	6,809.15	7,126.94	6,787.78	140.59	51.02	89.95	577.35	-5,868.32	2,213.37	2,076.54	136.83	16.176		
11,645.35	6,808.50	7,126.50	6,787.34	141.85	51.02	89.94	577.34	-5,868.32	2,178.81	2,040.13	138.67	15.712		
11,700.00	6,807.72	7,125.97	6,786.81	143.37	51.02	89.92	577.34	-5,868.32	2,137.41	1,996.47	140.94	15.166		
11,800.00	6,806.30	7,125.00	6,785.84	146.16	51.02	89.88	577.32	-5,868.31	2,063.26	1,917.99	145.26	14.204		
11,900.00	6,804.88	7,124.03	6,784.87	148.94	51.01	89.84	577.31	-5,868.31	1,991.37	1,841.54	149.83	13.291		
12,000.00	6,803.45	7,123.05	6,783.89	151.74	51.01	89.80	577.30	-5,868.31	1,921.99	1,767.36	154.63	12.430		
12,100.00	6,802.03	7,122.08	6,782.92	154.53	51.01	89.76	577.29	-5,868.30	1,855.41	1,695.75	159.65	11.621		
12,200.00	6,800.61	7,121.10	6,781.95	157.32	51.01	89.72	577.27	-5,868.30	1,791.94	1,627.04	164.90	10.867		
12,300.00	6,799.18	7,120.13	6,780.97	160.12	51.01	89.68	577.26	-5,868.29	1,731.92	1,561.59	170.33	10.168		
12,400.00	6,797.76	7,119.15	6,779.99	162.92	51.00	89.64	577.25	-5,868.29	1,675.72	1,499.79	175.92	9.525		
12,500.00	6,796.34	7,118.17	6,779.01	165.72	51.00	89.60	577.24	-5,868.28	1,623.74	1,442.11	181.63	8.940		
12,600.00	6,794.92	7,117.19	6,778.03	168.53	51.00	89.56	577.22	-5,868.28	1,576.39	1,389.00	187.39	8.412		
12,700.00	6,793.49	7,116.20	6,777.04	171.33	51.00	89.52	577.21	-5,868.28	1,534.11	1,340.96	193.15	7.943		
12,800.00	6,792.07	7,115.22	6,776.06	174.14	50.99	89.48	577.20	-5,868.27	1,497.32	1,298.52	198.80	7.532		
12,900.00	6,790.65	7,114.23	6,775.07	176.95	50.99	89.44	577.19	-5,868.27	1,466.45	1,262.19	204.26	7.179		
13,000.00	6,789.22	7,113.24	6,774.08	179.76	50.99	89.40	577.17	-5,868.27	1,441.85	1,232.44	209.42	6.885		
13,100.00	6,787.80	7,112.25	6,773.09	182.57	50.99	89.36	577.16	-5,868.26	1,423.88	1,209.72	214.15	6.649		
13,200.00	6,786.38	7,112.03	6,772.87	185.38	50.99	89.35	577.16	-5,868.26	1,412.76	1,194.40	218.36	6.470		
13,300.00	6,784.95	7,110.95	6,771.79	188.20	50.98	89.31	577.14	-5,868.26	1,408.68	1,186.75	221.93	6.347		
13,307.62	6,784.85	7,110.87	6,771.71	188.41	50.98	89.30	577.14	-5,868.26	1,408.66	1,186.48	222.17	6.340 CC, ES		
13,400.00	6,783.53	7,109.88	6,770.72	191.01	50.98	89.26	577.13	-5,868.25	1,411.68	1,186.91	224.77	6.280		
13,500.00	6,782.11	7,108.80	6,769.64	193.83	50.98	89.22	577.12	-5,868.25	1,421.73	1,194.89	226.84	6.268 SF		
13,600.00	6,780.68	7,107.73	6,768.57	196.65	50.97	89.18	577.10	-5,868.24	1,438.68	1,210.58	228.10	6.307		
13,700.00	6,779.26	7,106.66	6,767.50	199.47	50.97	89.13	577.09	-5,868.24	1,462.28	1,233.71	228.57	6.398		
13,800.00	6,777.84	7,105.59	6,766.43	202.29	50.97	89.09	577.08	-5,868.24	1,492.22	1,263.93	228.30	6.536		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	7,104.52	6,765.37	205.11	50.97	89.04	577.06	-5,868.23	1,528.13	1,300.78	227.35	6.721		
14,000.00	6,774.99	7,103.46	6,764.30	207.93	50.96	89.00	577.05	-5,868.23	1,569.60	1,343.78	225.82	6.951		
14,100.00	6,773.57	7,102.39	6,763.23	210.76	50.96	88.96	577.04	-5,868.22	1,616.20	1,392.39	223.81	7.221		
14,200.00	6,772.15	7,101.33	6,762.17	213.58	50.96	88.91	577.02	-5,868.22	1,667.50	1,446.10	221.41	7.531		
14,300.00	6,770.72	7,100.26	6,761.11	216.40	50.96	88.87	577.01	-5,868.22	1,723.09	1,504.37	218.71	7.878		
14,400.00	6,769.30	7,099.20	6,760.05	219.23	50.95	88.83	577.00	-5,868.21	1,782.55	1,566.75	215.80	8.260		
14,500.00	6,767.88	7,098.14	6,758.99	222.06	50.95	88.79	576.98	-5,868.21	1,845.52	1,632.76	212.75	8.674		
14,600.00	6,766.45	7,097.08	6,757.93	224.89	50.95	88.74	576.97	-5,868.20	1,911.64	1,702.02	209.62	9.119		
14,700.00	6,765.03	7,096.03	6,756.87	227.71	50.95	88.70	576.96	-5,868.20	1,980.61	1,774.15	206.46	9.593		
14,800.00	6,763.61	7,094.97	6,755.81	230.54	50.94	88.66	576.94	-5,868.19	2,052.14	1,848.83	203.31	10.094		
14,900.00	6,762.19	7,093.91	6,754.76	233.37	50.94	88.61	576.93	-5,868.19	2,125.96	1,925.77	200.19	10.620		
15,000.00	6,760.76	7,092.86	6,753.70	236.20	50.94	88.57	576.92	-5,868.19	2,201.85	2,004.71	197.14	11.169		
15,100.00	6,759.34	7,091.81	6,752.65	239.03	50.94	88.53	576.90	-5,868.18	2,279.60	2,085.44	194.16	11.741		
15,200.00	6,757.92	7,090.75	6,751.60	241.86	50.93	88.48	576.89	-5,868.18	2,359.03	2,167.76	191.27	12.333		
15,300.00	6,756.49	7,089.70	6,750.55	244.70	50.93	88.44	576.88	-5,868.17	2,439.97	2,251.49	188.48	12.945		
15,334.64	6,756.00	7,089.34	6,750.18	245.68	50.93	88.43	576.87	-5,868.17	2,468.33	2,280.79	187.54	13.162		
15,335.52	6,755.99	7,089.33	6,750.17	245.70	50.93	88.43	576.87	-5,868.17	2,469.06	2,281.54	187.52	13.167		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-103.05	-1,261.70	-5,443.34	5,587.66					
100.00	100.00	53.20	53.20	3.28	3.28	-103.05	-1,261.52	-5,443.63	5,588.13	5,581.56	6.57	850.906		
200.00	200.00	108.27	108.26	3.34	3.29	-103.04	-1,260.99	-5,444.53	5,589.47	5,582.84	6.63	843.145		
300.00	300.00	205.97	205.93	3.44	3.36	-103.02	-1,259.54	-5,446.61	5,591.21	5,584.41	6.80	822.304		
400.00	399.98	310.28	310.20	3.60	3.48	126.87	-1,258.08	-5,448.80	5,593.99	5,586.92	7.07	790.941		
500.00	499.84	440.99	440.88	3.79	3.71	126.88	-1,256.33	-5,451.02	5,598.48	5,590.99	7.49	747.796		
600.00	599.45	542.45	542.31	4.03	3.93	126.87	-1,254.56	-5,452.53	5,604.78	5,596.84	7.94	705.744		
700.00	698.70	633.89	633.72	4.30	4.15	126.85	-1,252.52	-5,454.09	5,613.30	5,604.85	8.44	664.837		
785.00	782.69	721.93	721.72	4.56	4.40	126.84	-1,250.65	-5,455.63	5,622.26	5,613.32	8.94	628.588		
800.00	797.47	743.43	743.22	4.60	4.46	126.87	-1,250.17	-5,455.98	5,623.95	5,614.90	9.06	621.072		
900.00	896.04	836.79	836.54	4.94	4.74	127.03	-1,247.78	-5,457.37	5,635.09	5,625.42	9.67	582.816		
1,000.00	994.61	900.00	899.70	5.30	4.94	127.14	-1,245.75	-5,458.77	5,646.81	5,636.58	10.22	552.293		
1,100.00	1,093.18	1,009.37	1,008.97	5.69	5.31	127.33	-1,242.04	-5,461.46	5,658.80	5,647.83	10.96	516.158		
1,200.00	1,191.75	1,097.92	1,097.45	6.08	5.62	127.48	-1,239.16	-5,463.57	5,670.79	5,659.14	11.66	486.476		
1,300.00	1,290.32	1,215.71	1,215.15	6.49	6.04	127.68	-1,235.45	-5,466.23	5,682.74	5,670.26	12.48	455.434		
1,400.00	1,388.89	1,278.54	1,277.93	6.91	6.27	127.79	-1,233.65	-5,467.76	5,694.91	5,681.80	13.11	434.291		
1,500.00	1,487.46	1,383.07	1,382.40	7.34	6.66	127.96	-1,230.87	-5,470.52	5,707.41	5,693.50	13.92	410.082		
1,600.00	1,586.03	1,487.98	1,487.23	7.77	7.05	128.14	-1,228.03	-5,473.05	5,719.73	5,704.99	14.74	388.098		
1,700.00	1,684.61	1,618.72	1,617.90	8.22	7.55	128.35	-1,224.57	-5,475.78	5,731.80	5,716.13	15.67	365.746		
1,800.00	1,783.18	1,700.00	1,699.14	8.66	7.87	128.48	-1,222.51	-5,477.25	5,743.68	5,727.26	16.42	349.806		
1,900.00	1,881.75	1,748.89	1,748.00	9.11	8.06	128.56	-1,221.28	-5,478.39	5,756.16	5,739.12	17.04	337.725		
2,000.00	1,980.32	1,800.00	1,799.06	9.57	8.26	128.64	-1,219.93	-5,480.20	5,769.67	5,751.99	17.68	326.343		
2,100.00	2,078.89	1,800.00	1,799.06	10.02	8.26	128.64	-1,219.93	-5,480.20	5,784.34	5,766.24	18.11	319.481		
2,200.00	2,177.46	1,858.75	1,857.69	10.49	8.50	128.75	-1,217.78	-5,483.33	5,799.83	5,781.05	18.78	308.824		
2,300.00	2,276.03	1,900.00	1,898.77	10.95	8.68	128.83	-1,215.59	-5,486.35	5,816.63	5,797.25	19.38	300.129		
2,400.00	2,374.60	2,012.73	2,010.96	11.41	9.17	129.06	-1,209.03	-5,495.14	5,834.02	5,813.71	20.31	287.291		
2,500.00	2,473.17	2,141.89	2,139.44	11.88	9.74	129.33	-1,199.58	-5,504.33	5,850.46	5,829.14	21.32	274.384		
2,600.00	2,571.74	2,200.00	2,197.17	12.35	10.00	129.46	-1,194.62	-5,508.70	5,867.30	5,845.28	22.02	266.491		
2,700.00	2,670.31	2,253.66	2,250.45	12.82	10.25	129.58	-1,189.97	-5,513.12	5,884.88	5,862.19	22.69	259.341		
2,800.00	2,768.88	2,300.00	2,296.43	13.29	10.46	129.69	-1,186.02	-5,517.32	5,903.33	5,880.00	23.33	253.034		
2,900.00	2,867.45	2,359.34	2,355.25	13.76	10.74	129.82	-1,180.73	-5,523.17	5,922.56	5,898.52	24.04	246.413		
3,000.00	2,966.02	2,511.92	2,506.21	14.24	11.49	130.19	-1,165.12	-5,538.83	5,942.26	5,917.05	25.22	235.657		
3,100.00	3,064.59	2,580.57	2,574.03	14.71	11.83	130.36	-1,156.95	-5,545.68	5,961.36	5,935.37	25.99	229.405		
3,200.00	3,163.16	2,649.52	2,642.00	15.19	12.18	130.55	-1,147.89	-5,552.89	5,980.88	5,954.12	26.76	223.479		
3,300.00	3,261.73	2,700.00	2,691.74	15.66	12.44	130.68	-1,141.28	-5,558.38	6,000.99	5,973.55	27.44	218.694		
3,400.00	3,360.30	2,769.37	2,760.09	16.14	12.80	130.86	-1,132.42	-5,566.29	6,021.72	5,993.50	28.22	213.409		
3,500.00	3,458.87	2,828.89	2,818.71	16.62	13.11	131.01	-1,125.06	-5,573.46	6,043.17	6,014.23	28.94	208.830		
3,600.00	3,557.44	2,900.00	2,888.70	17.10	13.49	131.20	-1,116.26	-5,582.43	6,065.23	6,035.51	29.72	204.065		
3,700.00	3,656.01	2,943.95	2,931.92	17.58	13.72	131.31	-1,110.81	-5,588.23	6,087.95	6,057.59	30.35	200.559		
3,800.00	3,754.58	3,000.00	2,986.99	18.06	14.03	131.45	-1,103.87	-5,596.04	6,111.46	6,080.40	31.05	196.806		
3,900.00	3,853.15	3,047.37	3,033.50	18.54	14.29	131.57	-1,098.06	-5,602.96	6,135.71	6,104.01	31.70	193.553		
4,000.00	3,951.72	3,104.22	3,089.27	19.02	14.61	131.72	-1,091.24	-5,611.59	6,160.67	6,128.27	32.40	190.144		
4,100.00	4,050.29	3,229.75	3,212.32	19.50	15.33	132.04	-1,075.28	-5,630.60	6,185.61	6,152.10	33.51	184.593		
4,200.00	4,148.86	3,309.11	3,290.04	19.98	15.79	132.25	-1,064.72	-5,642.65	6,210.69	6,176.34	34.35	180.799		
4,300.00	4,247.43	3,471.82	3,449.34	20.46	16.74	132.67	-1,042.13	-5,666.88	6,235.64	6,199.94	35.70	174.662		
4,400.00	4,346.00	3,570.71	3,546.36	20.94	17.30	132.93	-1,028.89	-5,680.72	6,259.81	6,223.16	36.66	170.758		
4,500.00	4,444.58	3,709.57	3,682.45	21.43	18.09	133.29	-1,009.17	-5,700.03	6,284.01	6,246.15	37.86	165.970		
4,600.00	4,543.15	3,787.19	3,758.47	21.91	18.54	133.49	-997.61	-5,710.62	6,307.98	6,269.28	38.70	162.987		
4,700.00	4,641.72	3,854.21	3,824.08	22.39	18.93	133.67	-987.58	-5,719.94	6,332.31	6,292.84	39.48	160.403		
4,800.00	4,740.29	3,946.25	3,914.15	22.87	19.46	133.91	-973.94	-5,733.09	6,357.13	6,316.73	40.40	157.342		
4,900.00	4,838.86	4,037.95	4,004.06	23.36	19.99	134.14	-961.20	-5,745.85	6,381.76	6,340.43	41.32	154.439		
5,000.00	4,937.43	4,100.00	4,064.82	23.84	20.34	134.29	-952.37	-5,754.81	6,406.95	6,364.89	42.06	152.341		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	4,153.12	4,116.81	24.32	20.66	134.42	-944.93	-5,762.77	6,432.75	6,390.02	42.73	150.534		
5,200.00	5,134.57	4,222.92	4,185.18	24.81	21.07	134.59	-935.94	-5,773.54	6,459.14	6,415.63	43.51	148.458		
5,300.00	5,233.14	4,321.15	4,281.52	25.29	21.64	134.82	-924.06	-5,788.66	6,485.64	6,441.19	44.45	145.899		
5,400.00	5,331.71	4,392.84	4,351.73	25.78	22.06	134.98	-914.84	-5,799.84	6,512.40	6,467.17	45.24	143.964		
5,500.00	5,430.28	4,533.76	4,489.69	26.26	22.89	135.32	-895.84	-5,821.32	6,538.81	6,492.35	46.46	140.738		
5,600.00	5,528.85	4,600.00	4,554.55	26.75	23.28	135.48	-887.01	-5,831.48	6,565.47	6,518.26	47.21	139.065		
5,700.00	5,627.42	4,791.84	4,742.47	27.23	24.40	135.93	-860.61	-5,859.56	6,591.49	6,542.74	48.75	135.197		
5,800.00	5,725.99	4,909.93	4,858.15	27.72	25.08	136.21	-843.35	-5,875.89	6,616.91	6,567.08	49.84	132.774		
5,900.00	5,824.56	4,992.75	4,939.38	28.20	25.55	136.40	-831.92	-5,887.26	6,642.36	6,591.68	50.69	131.049		
6,000.00	5,923.13	5,844.90	5,785.06	28.69	29.30	137.85	-767.24	-5,954.80	6,662.06	6,606.69	55.37	120.320		
6,100.00	6,021.70	6,025.37	5,965.49	29.17	29.95	138.04	-765.02	-5,957.39	6,675.96	6,619.41	56.55	118.058		
6,200.00	6,120.27	6,120.36	6,060.47	29.66	30.29	138.14	-763.90	-5,958.35	6,689.55	6,632.17	57.38	116.593		
6,238.51	6,158.23	6,173.11	6,113.22	29.84	30.49	138.20	-763.20	-5,958.81	6,694.74	6,636.98	57.76	115.906		
6,250.00	6,169.57	6,188.87	6,128.97	29.90	30.54	133.80	-762.97	-5,958.92	6,696.17	6,638.29	57.87	115.702		
6,300.00	6,219.12	6,240.79	6,180.89	30.13	30.73	104.91	-762.18	-5,959.27	6,699.96	6,641.66	58.30	114.927		
6,350.00	6,268.78	6,289.58	6,229.67	30.33	30.91	67.25	-761.43	-5,959.59	6,699.83	6,641.14	58.69	114.153		
6,400.00	6,318.25	6,330.84	6,270.92	30.52	31.06	42.51	-760.80	-5,959.89	6,695.82	6,636.79	59.03	113.423		
6,450.00	6,367.22	6,369.72	6,309.80	30.69	31.21	29.85	-760.21	-5,960.23	6,687.99	6,628.64	59.35	112.692		
6,500.00	6,415.39	6,410.28	6,350.35	30.86	31.36	22.90	-759.60	-5,960.64	6,676.38	6,616.73	59.65	111.921		
6,550.00	6,462.47	6,458.30	6,398.36	31.02	31.53	18.68	-758.94	-5,961.14	6,661.03	6,601.05	59.97	111.066		
6,600.00	6,508.16	6,506.25	6,446.31	31.18	31.71	15.91	-758.37	-5,961.64	6,641.98	6,581.70	60.28	110.185		
6,650.00	6,552.18	6,562.96	6,503.02	31.34	31.92	14.01	-757.85	-5,962.16	6,619.32	6,558.71	60.61	109.213		
6,700.00	6,594.26	6,617.15	6,557.20	31.51	32.12	12.65	-757.52	-5,962.55	6,593.17	6,532.25	60.91	108.237		
6,750.00	6,634.14	6,643.24	6,583.28	31.68	32.22	11.64	-757.32	-5,962.76	6,563.79	6,502.70	61.09	107.444		
6,800.00	6,671.58	6,673.74	6,613.79	31.86	32.33	10.91	-757.04	-5,963.04	6,531.36	6,470.09	61.27	106.596		
6,850.00	6,706.34	6,703.13	6,643.17	32.06	32.44	10.39	-756.73	-5,963.34	6,496.10	6,434.66	61.44	105.735		
6,900.00	6,738.21	6,741.18	6,681.21	32.27	32.58	10.08	-756.29	-5,963.72	6,458.16	6,396.53	61.63	104.792		
6,950.00	6,766.99	6,775.53	6,715.56	32.52	32.71	9.94	-755.87	-5,964.03	6,417.77	6,355.98	61.79	103.857		
7,000.00	6,792.51	6,805.97	6,746.00	32.80	32.82	9.97	-755.48	-5,964.29	6,375.18	6,313.24	61.94	102.931		
7,050.00	6,814.61	6,821.65	6,761.67	33.12	32.88	10.17	-755.26	-5,964.43	6,330.67	6,268.66	62.01	102.091		
7,100.00	6,833.15	6,836.56	6,776.59	33.48	32.94	10.65	-755.04	-5,964.57	6,284.54	6,222.46	62.08	101.240		
7,150.00	6,848.02	6,848.63	6,788.65	33.89	32.98	11.58	-754.84	-5,964.69	6,237.05	6,174.92	62.13	100.394		
7,200.00	6,859.13	6,857.77	6,797.79	34.35	33.02	13.41	-754.68	-5,964.78	6,188.49	6,126.33	62.16	99.556		
7,250.00	6,866.40	6,863.91	6,803.93	34.86	33.04	17.72	-754.57	-5,964.85	6,139.16	6,076.98	62.18	98.727		
7,300.00	6,869.79	6,867.01	6,807.03	35.40	33.05	35.88	-754.51	-5,964.88	6,089.35	6,027.16	62.19	97.908		
7,327.68	6,870.00	6,867.40	6,807.42	35.71	33.05	97.71	-754.51	-5,964.89	6,061.69	5,999.49	62.20	97.460		
7,400.00	6,868.97	6,867.19	6,807.21	36.61	33.05	97.63	-754.51	-5,964.89	5,989.39	5,927.20	62.20	96.296		
7,500.00	6,867.54	6,866.89	6,806.91	38.01	33.05	97.51	-754.52	-5,964.88	5,889.42	5,827.22	62.20	94.685		
7,600.00	6,866.12	6,866.59	6,806.61	39.58	33.05	97.40	-754.52	-5,964.88	5,789.46	5,727.25	62.20	93.072		
7,700.00	6,864.69	6,866.29	6,806.31	41.29	33.05	97.28	-754.53	-5,964.88	5,689.49	5,627.28	62.21	91.457		
7,800.00	6,863.27	6,865.99	6,806.01	43.12	33.05	97.17	-754.53	-5,964.87	5,589.52	5,527.31	62.22	89.840		
7,900.00	6,861.85	6,865.69	6,805.71	45.06	33.05	97.05	-754.54	-5,964.87	5,489.56	5,427.33	62.22	88.222		
8,000.00	6,860.42	6,865.38	6,805.40	47.10	33.05	96.93	-754.54	-5,964.87	5,389.59	5,327.36	62.23	86.602		
8,100.00	6,859.00	6,865.07	6,805.09	49.21	33.05	96.81	-754.55	-5,964.86	5,289.63	5,227.39	62.24	84.981		
8,200.00	6,857.57	6,864.76	6,804.78	51.40	33.04	96.69	-754.56	-5,964.86	5,189.67	5,127.41	62.26	83.359		
8,300.00	6,856.15	6,864.45	6,804.47	53.65	33.04	96.57	-754.56	-5,964.86	5,089.71	5,027.44	62.27	81.735		
8,400.00	6,854.72	6,864.13	6,804.15	55.96	33.04	96.45	-754.57	-5,964.85	4,989.75	4,927.47	62.29	80.110		
8,500.00	6,853.30	6,863.81	6,803.83	58.31	33.04	96.32	-754.57	-5,964.85	4,889.80	4,827.49	62.30	78.484		
8,600.00	6,851.88	6,863.49	6,803.52	60.70	33.04	96.20	-754.58	-5,964.85	4,789.84	4,727.52	62.32	76.856		
8,700.00	6,850.45	6,863.17	6,803.19	63.14	33.04	96.08	-754.58	-5,964.84	4,689.89	4,627.55	62.34	75.228		
8,800.00	6,849.03	6,862.85	6,802.87	65.60	33.04	95.95	-754.59	-5,964.84	4,589.94	4,527.58	62.37	73.598		
8,900.00	6,847.60	6,862.52	6,802.54	68.10	33.04	95.82	-754.60	-5,964.84	4,489.99	4,427.60	62.39	71.967		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,846.18	6,862.19	6,802.22	70.62	33.03	95.70	-754.60	-5,964.83	4,390.05	4,327.63	62.42	70.336		
9,100.00	6,844.75	6,861.86	6,801.89	73.17	33.03	95.57	-754.61	-5,964.83	4,290.11	4,227.66	62.44	68.704		
9,200.00	6,843.33	6,861.53	6,801.55	75.73	33.03	95.44	-754.61	-5,964.82	4,190.16	4,127.69	62.47	67.071		
9,300.00	6,841.91	6,861.20	6,801.22	78.32	33.03	95.31	-754.62	-5,964.82	4,090.23	4,027.72	62.51	65.437		
9,400.00	6,840.48	6,860.86	6,800.88	80.92	33.03	95.18	-754.63	-5,964.82	3,990.29	3,927.75	62.54	63.802		
9,500.00	6,839.06	6,860.52	6,800.54	83.54	33.03	95.04	-754.63	-5,964.81	3,890.36	3,827.78	62.58	62.167		
9,600.00	6,837.63	6,860.18	6,800.20	86.18	33.03	94.91	-754.64	-5,964.81	3,790.43	3,727.81	62.62	60.531		
9,700.00	6,836.21	6,859.83	6,799.86	88.82	33.03	94.78	-754.64	-5,964.81	3,690.51	3,627.85	62.66	58.894		
9,800.00	6,834.78	6,859.49	6,799.51	91.48	33.02	94.64	-754.65	-5,964.80	3,590.59	3,527.88	62.71	57.257		
9,900.00	6,833.36	6,859.14	6,799.16	94.15	33.02	94.50	-754.66	-5,964.80	3,490.68	3,427.92	62.76	55.619		
10,000.00	6,831.94	6,858.79	6,798.81	96.83	33.02	94.37	-754.66	-5,964.79	3,390.77	3,327.95	62.81	53.981		
10,100.00	6,830.51	6,858.43	6,798.45	99.52	33.02	94.23	-754.67	-5,964.79	3,290.86	3,227.99	62.87	52.342		
10,200.00	6,829.09	6,858.08	6,798.10	102.22	33.02	94.09	-754.68	-5,964.79	3,190.96	3,128.03	62.94	50.702		
10,300.00	6,827.66	6,857.72	6,797.74	104.92	33.02	93.95	-754.68	-5,964.78	3,091.07	3,028.07	63.00	49.061		
10,400.00	6,826.24	6,857.35	6,797.38	107.63	33.02	93.81	-754.69	-5,964.78	2,991.19	2,928.11	63.08	47.420		
10,500.00	6,824.81	6,856.99	6,797.01	110.35	33.02	93.67	-754.70	-5,964.78	2,891.31	2,828.15	63.16	45.778		
10,600.00	6,823.39	6,856.62	6,796.65	113.08	33.01	93.52	-754.70	-5,964.77	2,791.44	2,728.19	63.25	44.135		
10,700.00	6,821.96	6,856.25	6,796.28	115.81	33.01	93.38	-754.71	-5,964.77	2,691.58	2,628.24	63.35	42.491		
10,800.00	6,820.54	6,855.88	6,795.90	118.54	33.01	93.23	-754.71	-5,964.76	2,591.74	2,528.28	63.45	40.846		
10,900.00	6,819.12	6,855.51	6,795.53	121.29	33.01	93.08	-754.72	-5,964.76	2,491.90	2,428.33	63.57	39.199		
11,000.00	6,817.69	6,855.13	6,795.15	124.03	33.01	92.94	-754.73	-5,964.76	2,392.08	2,328.38	63.70	37.551		
11,100.00	6,816.27	6,854.75	6,794.77	126.78	33.01	92.79	-754.73	-5,964.75	2,292.27	2,228.42	63.85	35.901		
11,200.00	6,814.84	6,854.36	6,794.39	129.54	33.01	92.64	-754.74	-5,964.75	2,192.49	2,128.47	64.02	34.249		
11,300.00	6,813.42	6,853.98	6,794.00	132.29	33.00	92.48	-754.75	-5,964.74	2,092.72	2,028.51	64.20	32.595		
11,400.00	6,811.99	6,853.59	6,793.61	135.05	33.00	92.33	-754.75	-5,964.74	1,992.97	1,928.55	64.42	30.938		
11,500.00	6,810.57	6,853.20	6,793.22	137.82	33.00	92.18	-754.76	-5,964.74	1,893.25	1,828.59	64.67	29.278		
11,534.42	6,810.08	6,853.06	6,793.08	138.77	33.00	92.12	-754.76	-5,964.73	1,858.93	1,794.17	64.76	28.705		
11,600.00	6,809.15	6,852.81	6,792.84	140.59	33.00	92.86	-754.77	-5,964.73	1,793.51	1,728.58	64.93	27.623		
11,645.35	6,808.50	6,852.66	6,792.68	141.85	33.00	93.80	-754.77	-5,964.73	1,748.22	1,683.19	65.02	26.886		
11,700.00	6,807.72	6,852.47	6,792.50	143.37	33.00	93.66	-754.77	-5,964.73	1,693.62	1,628.49	65.13	26.003		
11,800.00	6,806.30	6,852.13	6,792.16	146.16	33.00	93.41	-754.78	-5,964.72	1,593.73	1,528.38	65.35	24.387		
11,900.00	6,804.88	6,851.79	6,791.82	148.94	33.00	93.15	-754.79	-5,964.72	1,493.85	1,428.25	65.60	22.772		
12,000.00	6,803.45	6,851.45	6,791.47	151.74	32.99	92.89	-754.79	-5,964.72	1,393.99	1,328.10	65.89	21.156		
12,100.00	6,802.03	6,851.11	6,791.13	154.53	32.99	92.63	-754.80	-5,964.71	1,294.15	1,227.91	66.24	19.539		
12,200.00	6,800.61	6,850.76	6,790.78	157.32	32.99	92.37	-754.80	-5,964.71	1,194.34	1,127.69	66.65	17.921		
12,300.00	6,799.18	6,850.40	6,790.43	160.12	32.99	92.10	-754.81	-5,964.71	1,094.56	1,027.41	67.15	16.301		
12,400.00	6,797.76	6,850.05	6,790.07	162.92	32.99	91.84	-754.82	-5,964.70	994.82	927.05	67.77	14.679		
12,500.00	6,796.34	6,849.69	6,789.72	165.72	32.99	91.57	-754.82	-5,964.70	895.14	826.57	68.57	13.054		
12,600.00	6,794.92	6,849.33	6,789.36	168.53	32.99	91.29	-754.83	-5,964.70	795.55	725.92	69.63	11.425		
12,700.00	6,793.49	6,848.97	6,788.99	171.33	32.99	91.02	-754.83	-5,964.69	696.07	624.99	71.08	9.793		
12,800.00	6,792.07	6,848.60	6,788.63	174.14	32.98	90.74	-754.84	-5,964.69	596.76	523.62	73.15	8.159		
12,900.00	6,790.65	6,848.23	6,788.26	176.95	32.98	90.46	-754.85	-5,964.68	497.73	421.46	76.27	6.526		
13,000.00	6,789.22	6,847.86	6,787.88	179.76	32.98	90.18	-754.85	-5,964.68	399.19	317.84	81.35	4.907		
13,100.00	6,787.80	6,847.48	6,787.51	182.57	32.98	89.89	-754.86	-5,964.68	301.60	211.17	90.43	3.335		
13,200.00	6,786.38	6,847.10	6,787.13	185.38	32.98	89.61	-754.87	-5,964.67	206.34	97.17	109.17	1.890		
13,300.00	6,784.95	6,846.72	6,786.74	188.20	32.98	89.32	-754.87	-5,964.67	119.12	-36.81	155.93	0.764 Level 1		
13,391.94	6,783.65	6,846.36	6,786.39	190.79	32.98	89.05	-754.88	-5,964.66	75.74	-146.44	222.17	0.341 Level 1, CC, ES, SF		
13,400.00	6,783.53	6,846.33	6,786.36	191.01	32.98	89.02	-754.88	-5,964.66	76.17	-144.98	221.14	0.344 Level 1		
13,500.00	6,782.11	6,845.94	6,785.97	193.83	32.97	88.73	-754.88	-5,964.66	131.96	-11.13	143.09	0.922 Level 1		
13,600.00	6,780.68	6,845.55	6,785.57	196.65	32.97	88.43	-754.89	-5,964.66	221.41	119.47	101.95	2.172		
13,700.00	6,779.26	6,845.15	6,785.18	199.47	32.97	88.13	-754.90	-5,964.65	317.23	231.89	85.34	3.717		
13,800.00	6,777.84	6,844.75	6,784.78	202.29	32.97	87.83	-754.90	-5,964.65	415.03	337.63	77.39	5.363		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	6,844.35	6,784.37	205.11	32.97	87.52	-754.91	-5,964.64	513.67	440.57	73.10	7.027		
14,000.00	6,774.99	6,843.94	6,783.97	207.93	32.97	87.22	-754.92	-5,964.64	612.75	542.17	70.59	8.681		
14,100.00	6,773.57	6,843.53	6,783.56	210.76	32.96	86.91	-754.92	-5,964.64	712.09	643.07	69.02	10.317		
14,200.00	6,772.15	6,843.12	6,783.14	213.58	32.96	86.59	-754.93	-5,964.63	811.59	743.58	68.01	11.933		
14,300.00	6,770.72	6,842.70	6,782.72	216.40	32.96	86.28	-754.94	-5,964.63	911.21	843.87	67.33	13.533		
14,400.00	6,769.30	6,842.27	6,782.30	219.23	32.96	85.96	-754.94	-5,964.62	1,010.89	944.03	66.87	15.118		
14,500.00	6,767.88	6,841.85	6,781.87	222.06	32.96	85.64	-754.95	-5,964.62	1,110.64	1,044.09	66.54	16.690		
14,600.00	6,766.45	6,841.42	6,781.44	224.89	32.96	85.31	-754.96	-5,964.62	1,210.42	1,144.10	66.32	18.251		
14,700.00	6,765.03	6,840.98	6,781.01	227.71	32.96	84.99	-754.97	-5,964.61	1,310.24	1,244.07	66.17	19.802		
14,800.00	6,763.61	6,840.55	6,780.57	230.54	32.95	84.66	-754.97	-5,964.61	1,410.08	1,344.02	66.07	21.344		
14,900.00	6,762.19	6,840.10	6,780.13	233.37	32.95	84.32	-754.98	-5,964.60	1,509.95	1,443.95	66.00	22.877		
15,000.00	6,760.76	6,839.66	6,779.68	236.20	32.95	83.99	-754.99	-5,964.60	1,609.83	1,543.86	65.97	24.404		
15,100.00	6,759.34	6,839.21	6,779.23	239.03	32.95	83.65	-754.99	-5,964.59	1,709.72	1,643.77	65.95	25.923		
15,200.00	6,757.92	6,838.75	6,778.78	241.86	32.95	83.31	-755.00	-5,964.59	1,809.63	1,743.67	65.96	27.437		
15,300.00	6,756.49	6,838.29	6,778.32	244.70	32.95	82.97	-755.01	-5,964.58	1,909.55	1,843.57	65.97	28.944		
15,334.64	6,756.00	6,838.13	6,778.16	245.68	32.94	82.85	-755.01	-5,964.58	1,944.16	1,878.17	65.98	29.464		
15,335.52	6,755.99	6,838.13	6,778.15	245.70	32.94	82.84	-755.01	-5,964.58	1,945.04	1,879.06	65.98	29.477		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-103.33	-1,290.84	-5,446.13	5,597.02					
100.00	100.00	79.25	79.25	3.28	3.28	-103.33	-1,290.68	-5,446.36	5,597.26	5,590.69	6.57	852.038		
200.00	200.00	172.02	172.02	3.34	3.32	-103.33	-1,290.19	-5,447.02	5,597.83	5,591.17	6.66	840.625		
300.00	300.00	288.94	288.93	3.44	3.44	-103.31	-1,289.20	-5,447.83	5,598.31	5,591.43	6.88	813.407		
400.00	399.98	414.26	414.23	3.60	3.64	126.61	-1,287.40	-5,448.33	5,599.42	5,592.18	7.23	774.146		
500.00	499.84	514.20	514.16	3.79	3.84	126.62	-1,285.56	-5,448.62	5,602.39	5,594.76	7.63	734.129		
600.00	599.45	614.95	614.89	4.03	4.09	126.63	-1,283.51	-5,448.93	5,607.45	5,599.34	8.11	691.495		
700.00	698.70	742.83	742.73	4.30	4.44	126.68	-1,280.44	-5,449.12	5,614.37	5,605.64	8.73	642.881		
785.00	782.69	847.08	846.93	4.56	4.75	126.73	-1,277.24	-5,448.85	5,621.43	5,612.12	9.31	603.910		
800.00	797.47	862.42	862.26	4.60	4.80	126.75	-1,276.74	-5,448.79	5,622.80	5,613.39	9.41	597.811		
900.00	896.04	900.00	899.82	4.94	4.92	126.82	-1,275.50	-5,448.66	5,632.25	5,622.39	9.86	571.343		
1,000.00	994.61	958.41	958.21	5.30	5.11	126.91	-1,274.15	-5,448.86	5,642.51	5,632.11	10.40	542.533		
1,100.00	1,093.18	1,000.00	999.80	5.69	5.25	126.97	-1,273.90	-5,449.50	5,654.03	5,643.12	10.91	518.310		
1,200.00	1,191.75	1,034.97	1,034.76	6.08	5.37	127.02	-1,274.18	-5,450.32	5,666.62	5,655.21	11.41	496.622		
1,300.00	1,290.32	1,100.00	1,099.73	6.49	5.59	127.10	-1,276.00	-5,452.34	5,680.34	5,668.31	12.03	472.251		
1,400.00	1,388.89	1,133.63	1,133.30	6.91	5.72	127.13	-1,277.43	-5,453.58	5,694.77	5,682.22	12.55	453.745		
1,500.00	1,487.46	1,200.00	1,199.55	7.34	5.96	127.20	-1,280.56	-5,456.13	5,709.83	5,696.63	13.20	432.518		
1,600.00	1,586.03	1,260.74	1,260.13	7.77	6.20	127.25	-1,284.16	-5,458.69	5,725.51	5,711.66	13.85	413.478		
1,700.00	1,684.61	1,321.38	1,320.52	8.22	6.45	127.29	-1,288.81	-5,461.54	5,741.96	5,727.45	14.50	395.894		
1,800.00	1,783.18	1,400.00	1,398.71	8.66	6.79	127.33	-1,296.12	-5,465.30	5,758.86	5,743.61	15.25	377.616		
1,900.00	1,881.75	1,438.15	1,436.60	9.11	6.96	127.35	-1,300.14	-5,467.30	5,776.45	5,760.61	15.84	364.757		
2,000.00	1,980.32	1,500.00	1,497.90	9.57	7.25	127.37	-1,307.27	-5,471.27	5,795.19	5,778.66	16.53	350.560		
2,100.00	2,078.89	1,500.00	1,497.90	10.02	7.25	127.37	-1,307.27	-5,471.27	5,814.75	5,797.80	16.95	343.152		
2,200.00	2,177.46	1,541.32	1,538.76	10.49	7.46	127.38	-1,312.48	-5,474.52	5,835.48	5,817.92	17.55	332.420		
2,300.00	2,276.03	1,600.00	1,596.61	10.95	7.76	127.39	-1,320.55	-5,480.14	5,857.60	5,839.35	18.25	321.007		
2,400.00	2,374.60	1,600.00	1,596.61	11.41	7.76	127.39	-1,320.55	-5,480.14	5,880.39	5,861.73	18.65	315.260		
2,500.00	2,473.17	1,633.48	1,629.50	11.88	7.96	127.40	-1,325.57	-5,483.83	5,904.49	5,885.26	19.23	307.048		
2,600.00	2,571.74	1,665.36	1,660.74	12.35	8.15	127.40	-1,330.70	-5,487.64	5,929.67	5,909.87	19.80	299.537		
2,700.00	2,670.31	1,700.00	1,694.57	12.82	8.36	127.39	-1,336.66	-5,492.09	5,955.90	5,935.53	20.37	292.323		
2,800.00	2,768.88	1,774.04	1,766.67	13.29	8.85	127.38	-1,350.36	-5,501.93	5,982.85	5,961.65	21.20	282.267		
2,900.00	2,867.45	1,841.07	1,831.78	13.76	9.30	127.36	-1,363.52	-5,510.87	6,010.11	5,988.13	21.98	273.388		
3,000.00	2,966.02	1,900.00	1,888.95	14.24	9.71	127.34	-1,375.21	-5,519.05	6,037.94	6,015.21	22.73	265.670		
3,100.00	3,064.59	1,936.51	1,924.30	14.71	9.97	127.32	-1,382.62	-5,524.38	6,066.53	6,043.19	23.34	259.935		
3,200.00	3,163.16	1,972.10	1,958.66	15.19	10.24	127.31	-1,390.14	-5,529.86	6,096.07	6,072.13	23.94	254.631		
3,300.00	3,261.73	2,025.03	2,009.57	15.66	10.64	127.28	-1,401.77	-5,538.47	6,126.52	6,101.86	24.66	248.443		
3,400.00	3,360.30	2,147.02	2,126.90	16.14	11.59	127.22	-1,428.72	-5,558.19	6,157.00	6,131.15	25.85	238.149		
3,500.00	3,458.87	2,245.45	2,221.82	16.62	12.34	127.18	-1,449.42	-5,573.99	6,187.15	6,160.27	26.88	230.182		
3,600.00	3,557.44	2,331.98	2,305.24	17.10	13.00	127.15	-1,467.63	-5,588.06	6,217.48	6,189.65	27.82	223.453		
3,700.00	3,656.01	2,438.32	2,407.71	17.58	13.81	127.10	-1,490.31	-5,605.18	6,247.73	6,218.82	28.91	216.100		
3,800.00	3,754.58	2,536.49	2,502.31	18.06	14.56	127.06	-1,511.34	-5,620.84	6,277.87	6,247.92	29.95	209.617		
3,900.00	3,853.15	2,642.14	2,603.98	18.54	15.37	127.01	-1,534.77	-5,637.49	6,308.01	6,276.96	31.05	203.149		
4,000.00	3,951.72	2,862.68	2,816.61	19.02	16.98	126.90	-1,583.90	-5,669.22	6,336.60	6,303.65	32.95	192.288		
4,100.00	4,050.29	2,938.57	2,889.86	19.50	17.52	126.86	-1,600.76	-5,679.66	6,364.85	6,331.01	33.84	188.072		
4,200.00	4,148.86	3,017.66	2,966.19	19.98	18.08	126.82	-1,618.23	-5,690.83	6,393.42	6,358.67	34.75	183.975		
4,300.00	4,247.43	3,147.56	3,091.92	20.46	18.98	126.77	-1,645.00	-5,709.54	6,421.96	6,385.97	35.99	178.448		
4,400.00	4,346.00	3,270.51	3,211.06	20.94	19.80	126.73	-1,670.23	-5,726.39	6,449.75	6,412.58	37.17	173.518		
4,500.00	4,444.58	3,421.66	3,357.49	21.43	20.80	126.67	-1,702.19	-5,745.96	6,476.94	6,438.39	38.55	168.035		
4,600.00	4,543.15	3,470.57	3,404.88	21.91	21.12	126.65	-1,712.44	-5,752.33	6,504.23	6,464.99	39.24	165.770		
4,700.00	4,641.72	3,547.01	3,478.88	22.39	21.64	126.62	-1,728.52	-5,762.79	6,532.13	6,492.02	40.11	162.850		
4,800.00	4,740.29	3,625.91	3,555.29	22.87	22.18	126.59	-1,744.99	-5,773.59	6,560.06	6,519.04	41.01	159.957		
4,900.00	4,838.86	3,672.47	3,600.18	23.36	22.51	126.57	-1,755.48	-5,780.09	6,588.59	6,546.90	41.70	158.018		
5,000.00	4,937.43	3,724.43	3,650.04	23.84	22.90	126.53	-1,768.07	-5,787.53	6,617.84	6,575.41	42.43	155.988		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	3,784.52	3,707.57	24.32	23.37	126.49	-1,782.98	-5,796.37	6,647.63	6,604.40	43.23	153.781		
5,200.00	5,134.57	3,851.58	3,771.72	24.81	23.90	126.44	-1,799.67	-5,806.56	6,677.89	6,633.80	44.08	151.479		
5,300.00	5,233.14	3,965.89	3,881.24	25.29	24.80	126.38	-1,827.05	-5,824.47	6,708.43	6,663.13	45.29	148.106		
5,400.00	5,331.71	4,186.90	4,094.57	25.78	26.40	126.30	-1,874.26	-5,857.71	6,737.76	6,690.54	47.22	142.701		
5,500.00	5,430.28	4,285.25	4,189.85	26.26	27.06	126.27	-1,894.15	-5,871.76	6,766.09	6,717.85	48.23	140.275		
5,600.00	5,528.85	4,377.47	4,279.22	26.75	27.68	126.24	-1,912.71	-5,885.01	6,794.49	6,745.28	49.21	138.063		
5,700.00	5,627.42	4,446.82	4,346.28	27.23	28.16	126.22	-1,927.32	-5,894.93	6,823.06	6,773.02	50.04	136.345		
5,800.00	5,725.99	4,513.68	4,410.79	27.72	28.64	126.19	-1,941.88	-5,904.73	6,852.09	6,801.23	50.86	134.727		
5,900.00	5,824.56	4,600.00	4,494.02	28.20	29.26	126.16	-1,960.96	-5,917.42	6,881.28	6,829.45	51.82	132.784		
6,000.00	5,923.13	4,653.17	4,545.25	28.69	29.66	126.14	-1,972.69	-5,925.45	6,910.85	6,858.31	52.55	131.521		
6,100.00	6,021.70	4,705.44	4,642.90	29.17	30.14	126.11	-1,984.92	-5,937.68	6,940.11	6,889.78	53.27	130.258		
6,200.00	6,120.27	4,757.71	4,739.45	29.66	30.63	126.08	-1,997.15	-5,949.87	6,969.37	6,921.04	54.00	129.000		
6,238.51	6,158.23	4,799.69	4,781.43	29.84	30.81	126.74	-2,009.38	-5,962.10	6,998.62	6,950.29	54.73	127.742		
6,250.00	6,169.57	4,812.98	4,794.72	29.90	31.01	122.36	-2,021.61	-5,974.33	7,027.87	6,981.54	55.46	126.484		
6,300.00	6,219.12	4,865.25	4,847.00	30.13	31.18	93.51	-2,043.19	-6,003.11	7,060.37	7,014.04	56.19	125.226		
6,350.00	6,268.78	4,917.52	4,898.66	30.33	31.38	55.84	-2,064.77	-6,031.89	7,092.87	7,046.54	56.92	123.968		
6,400.00	6,318.25	4,969.89	4,951.03	30.52	31.59	31.02	-2,086.35	-6,060.67	7,125.37	7,079.04	57.65	122.710		
6,450.00	6,367.22	5,022.16	4,999.30	30.69	31.71	18.17	-2,107.93	-6,088.85	7,157.87	7,111.52	58.38	121.452		
6,500.00	6,415.39	5,074.43	5,047.57	30.86	31.83	10.96	-2,129.51	-6,117.03	7,190.37	7,144.00	59.11	120.194		
6,550.00	6,462.47	5,126.70	5,095.84	31.02	31.80	6.38	-2,146.28	-6,145.20	7,222.87	7,176.48	59.84	118.936		
6,600.00	6,508.16	5,178.97	5,143.53	31.18	31.81	3.14	-2,163.05	-6,173.38	7,255.37	7,208.96	60.57	117.678		
6,650.00	6,552.18	5,231.24	5,195.80	31.34	31.86	0.62	-2,179.82	-6,201.56	7,287.87	7,241.44	61.30	116.420		
6,700.00	6,594.26	5,283.51	5,248.07	31.51	31.81	-1.49	-2,196.59	-6,229.74	7,320.37	7,273.92	62.03	115.162		
6,750.00	6,634.14	5,335.78	5,290.34	31.68	31.88	-3.41	-2,213.36	-6,257.92	7,352.87	7,306.40	62.76	113.904		
6,800.00	6,671.58	5,388.05	5,332.61	31.86	31.86	-5.26	-2,230.13	-6,286.10	7,385.37	7,338.88	63.49	112.646		
6,850.00	6,706.34	5,440.32	5,384.88	32.06	31.73	-7.17	-2,246.90	-6,314.28	7,417.87	7,371.36	64.22	111.388		
6,900.00	6,738.21	5,492.59	5,437.15	32.27	31.80	-9.28	-2,263.67	-6,342.46	7,450.37	7,403.84	64.95	110.130		
6,950.00	6,766.99	5,544.86	5,489.42	32.52	31.97	-11.81	-2,280.44	-6,370.64	7,482.87	7,436.32	65.68	108.872		
7,000.00	6,792.51	5,597.13	5,541.69	32.80	31.16	-15.00	-2,297.21	-6,398.82	7,515.37	7,468.80	66.41	107.614		
7,050.00	6,814.61	5,649.40	5,593.96	33.12	31.59	-18.74	-2,313.98	-6,427.00	7,547.87	7,501.28	67.14	106.356		
7,100.00	6,833.15	5,701.67	5,646.23	33.48	31.12	-23.81	-2,330.75	-6,455.18	7,580.37	7,533.76	67.87	105.098		
7,150.00	6,848.02	5,753.94	5,698.50	33.89	31.20	-31.30	-2,347.52	-6,483.36	7,612.87	7,566.24	68.60	103.840		
7,200.00	6,859.13	5,806.21	5,750.77	34.35	31.22	-41.98	-2,364.29	-6,511.54	7,645.37	7,598.72	69.33	102.582		
7,250.00	6,866.40	5,858.48	5,803.04	34.86	31.23	-57.62	-2,381.06	-6,539.72	7,677.87	7,631.20	70.06	101.324		
7,300.00	6,869.79	5,910.75	5,855.31	35.40	31.24	-78.47	-2,397.83	-6,567.90	7,710.37	7,663.68	70.79	100.066		
7,327.68	6,870.00	5,937.05	5,860.38	35.71	31.24	-90.90	-2,413.60	-6,596.08	7,742.87	7,696.16	71.52	98.808		
7,400.00	6,868.97	5,936.80	5,860.13	36.61	31.24	-90.89	-2,430.37	-6,624.26	7,775.37	7,728.64	72.25	97.550		
7,500.00	6,867.54	5,936.44	5,860.77	38.01	31.23	-90.87	-2,447.14	-6,652.44	7,807.87	7,761.12	72.98	96.292		
7,600.00	6,866.12	5,936.08	5,860.41	39.58	31.23	-90.85	-2,463.91	-6,680.62	7,840.37	7,793.60	73.71	95.034		
7,700.00	6,864.69	5,935.71	5,860.04	41.29	31.23	-90.84	-2,480.68	-6,708.80	7,872.87	7,826.08	74.44	93.776		
7,800.00	6,863.27	5,935.33	5,860.66	43.12	31.23	-90.82	-2,497.45	-6,736.98	7,905.37	7,858.56	75.17	92.518		
7,900.00	6,861.85	5,934.94	5,860.28	45.06	31.23	-90.80	-2,514.22	-6,765.16	7,937.87	7,891.04	75.90	91.260		
8,000.00	6,860.42	5,934.55	5,860.88	47.10	31.23	-90.78	-2,530.99	-6,793.34	7,970.37	7,923.52	76.63	90.002		
8,100.00	6,859.00	5,934.15	5,860.48	49.21	31.23	-90.76	-2,547.76	-6,821.52	8,002.87	7,956.00	77.36	88.744		
8,200.00	6,857.57	5,933.74	5,860.07	51.40	31.23	-90.75	-2,564.53	-6,849.70	8,035.37	7,988.48	78.09	87.486		
8,300.00	6,856.15	5,933.32	5,860.66	53.65	31.22	-90.73	-2,581.30	-6,877.88	8,067.87	8,020.96	78.82	86.228		
8,400.00	6,854.72	5,932.90	5,860.23	55.96	31.22	-90.71	-2,598.07	-6,906.06	8,099.37	8,053.44	79.55	84.970		
8,500.00	6,853.30	5,932.46	5,860.79	58.31	31.22	-90.69	-2,614.84	-6,934.24	8,131.87	8,085.92	80.28	83.712		
8,600.00	6,851.88	5,932.02	5,861.35	60.70	31.22	-90.67	-2,631.61	-6,962.42	8,164.37	8,118.40	81.01	82.454		
8,700.00	6,850.45	5,931.56	5,860.89	63.14	31.22	-90.65	-2,648.38	-6,990.60	8,196.87	8,150.88	81.74	81.196		
8,800.00	6,849.03	5,931.10	5,860.43	65.60	31.22	-90.63	-2,665.15	-7,018.78	8,229.37	8,183.36	82.47	80.000		
8,900.00	6,847.60	5,930.62	5,860.96	68.10	31.22	-90.60	-2,681.92	-7,046.96	8,261.87	8,215.84	83.20	78.742		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
9,000.00	6,846.18	6,930.14	6,799.47	70.62	39.21	-90.58	-2,153.72	-6,055.98	4,690.14	4,620.47	69.67	67.317		
9,100.00	6,844.75	6,929.64	6,798.97	73.17	39.21	-90.56	-2,153.71	-6,055.98	4,593.84	4,523.66	70.18	65.459		
9,200.00	6,843.33	6,929.13	6,798.47	75.73	39.21	-90.54	-2,153.69	-6,055.98	4,497.70	4,426.96	70.73	63.586		
9,300.00	6,841.91	6,928.62	6,797.95	78.32	39.21	-90.51	-2,153.68	-6,055.98	4,401.72	4,330.38	71.34	61.699		
9,400.00	6,840.48	6,928.08	6,797.42	80.92	39.21	-90.49	-2,153.67	-6,055.98	4,305.93	4,233.93	72.01	59.800		
9,500.00	6,839.06	6,927.54	6,796.87	83.54	39.21	-90.46	-2,153.66	-6,055.97	4,210.34	4,137.61	72.73	57.891		
9,600.00	6,837.63	6,926.98	6,796.32	86.18	39.20	-90.44	-2,153.64	-6,055.97	4,114.96	4,041.44	73.52	55.973		
9,700.00	6,836.21	6,926.41	6,795.75	88.82	39.20	-90.41	-2,153.63	-6,055.97	4,019.80	3,945.42	74.37	54.049		
9,800.00	6,834.78	6,925.83	6,795.16	91.48	39.20	-90.38	-2,153.62	-6,055.97	3,924.88	3,849.58	75.30	52.121		
9,900.00	6,833.36	6,925.23	6,794.56	94.15	39.20	-90.36	-2,153.60	-6,055.97	3,830.22	3,753.91	76.31	50.193		
10,000.00	6,831.94	6,924.61	6,793.95	96.83	39.20	-90.33	-2,153.59	-6,055.96	3,735.84	3,658.43	77.40	48.266		
10,100.00	6,830.51	6,923.98	6,793.32	99.52	39.19	-90.30	-2,153.57	-6,055.96	3,641.75	3,563.17	78.58	46.343		
10,200.00	6,829.09	6,923.34	6,792.67	102.22	39.19	-90.27	-2,153.56	-6,055.96	3,547.99	3,468.14	79.86	44.429		
10,300.00	6,827.66	6,922.68	6,792.01	104.92	39.19	-90.24	-2,153.54	-6,055.96	3,454.58	3,373.35	81.24	42.525		
10,400.00	6,826.24	6,921.99	6,791.33	107.63	39.19	-90.21	-2,153.52	-6,055.96	3,361.55	3,278.83	82.72	40.636		
10,500.00	6,824.81	6,921.30	6,790.63	110.35	39.19	-90.18	-2,153.51	-6,055.95	3,268.93	3,184.60	84.33	38.764		
10,600.00	6,823.39	6,920.58	6,789.91	113.08	39.18	-90.14	-2,153.49	-6,055.95	3,176.76	3,090.70	86.06	36.913		
10,700.00	6,821.96	6,919.84	6,789.18	115.81	39.18	-90.11	-2,153.47	-6,055.95	3,085.08	2,997.15	87.93	35.087		
10,800.00	6,820.54	6,919.08	6,788.42	118.54	39.18	-90.07	-2,153.45	-6,055.95	2,993.92	2,903.99	89.94	33.288		
10,900.00	6,819.12	6,918.30	6,787.64	121.29	39.18	-90.04	-2,153.44	-6,055.95	2,903.35	2,811.25	92.11	31.522		
11,000.00	6,817.69	6,917.50	6,786.84	124.03	39.17	-90.00	-2,153.42	-6,055.95	2,813.42	2,718.98	94.44	29.790		
11,100.00	6,816.27	6,916.67	6,786.01	126.78	39.17	-89.96	-2,153.40	-6,055.95	2,724.19	2,627.23	96.96	28.097		
11,200.00	6,814.84	6,915.82	6,785.16	129.54	39.17	-89.93	-2,153.38	-6,055.94	2,635.74	2,536.07	99.67	26.445		
11,300.00	6,813.42	6,914.95	6,784.28	132.29	39.17	-89.89	-2,153.35	-6,055.94	2,548.13	2,445.54	102.59	24.839		
11,400.00	6,811.99	6,914.04	6,783.38	135.05	39.16	-89.84	-2,153.33	-6,055.94	2,461.47	2,355.74	105.73	23.280		
11,500.00	6,810.57	6,913.11	6,782.45	137.82	39.16	-89.80	-2,153.31	-6,055.94	2,375.86	2,266.74	109.12	21.773		
11,534.42	6,810.08	6,920.46	6,789.80	138.77	39.18	-90.14	-2,153.50	-6,055.89	2,346.63	2,236.25	110.37	21.261		
11,600.00	6,809.15	6,919.09	6,788.43	140.59	39.18	-90.05	-2,153.47	-6,055.89	2,291.80	2,178.97	112.84	20.311		
11,645.35	6,808.50	6,918.13	6,787.46	141.85	39.18	-90.00	-2,153.44	-6,055.90	2,254.73	2,140.07	114.66	19.664		
11,700.00	6,807.72	6,916.97	6,786.31	143.37	39.17	-89.95	-2,153.41	-6,055.90	2,210.72	2,093.75	116.97	18.900		
11,800.00	6,806.30	6,914.88	6,784.22	146.16	39.17	-89.86	-2,153.36	-6,055.91	2,131.46	2,010.03	121.43	17.553		
11,900.00	6,804.88	6,912.84	6,782.18	148.94	39.16	-89.77	-2,153.31	-6,055.92	2,054.02	1,927.80	126.21	16.274		
12,000.00	6,803.45	6,910.84	6,780.18	151.74	39.15	-89.68	-2,153.26	-6,055.92	1,978.59	1,847.26	131.33	15.066		
12,100.00	6,802.03	6,908.88	6,778.22	154.53	39.15	-89.60	-2,153.21	-6,055.93	1,905.43	1,768.63	136.80	13.929		
12,200.00	6,800.61	6,906.97	6,776.30	157.32	39.14	-89.51	-2,153.16	-6,055.93	1,834.79	1,692.18	142.61	12.866		
12,300.00	6,799.18	6,905.09	6,774.43	160.12	39.13	-89.43	-2,153.11	-6,055.94	1,767.00	1,618.22	148.78	11.877		
12,400.00	6,797.76	6,903.25	6,772.59	162.92	39.13	-89.35	-2,153.07	-6,055.94	1,702.38	1,547.09	155.29	10.963		
12,500.00	6,796.34	6,901.44	6,770.78	165.72	39.12	-89.28	-2,153.02	-6,055.95	1,641.31	1,479.20	162.11	10.124		
12,600.00	6,794.92	6,899.67	6,769.01	168.53	39.12	-89.20	-2,152.98	-6,055.95	1,584.20	1,414.99	169.21	9.362		
12,700.00	6,793.49	6,897.94	6,767.28	171.33	39.11	-89.12	-2,152.94	-6,055.96	1,531.50	1,354.98	176.52	8.676		
12,800.00	6,792.07	6,896.24	6,765.58	174.14	39.11	-89.05	-2,152.89	-6,055.96	1,483.67	1,299.71	183.96	8.065		
12,900.00	6,790.65	6,894.57	6,763.91	176.95	39.10	-88.98	-2,152.85	-6,055.96	1,441.20	1,249.80	191.40	7.530		
13,000.00	6,789.22	6,892.93	6,762.27	179.76	39.10	-88.91	-2,152.81	-6,055.96	1,404.58	1,205.87	198.71	7.068		
13,100.00	6,787.80	6,891.33	6,760.67	182.57	39.09	-88.84	-2,152.77	-6,055.97	1,374.27	1,168.54	205.73	6.680		
13,200.00	6,786.38	6,889.75	6,759.09	185.38	39.09	-88.77	-2,152.73	-6,055.97	1,350.70	1,138.43	212.26	6.363		
13,300.00	6,784.95	6,888.20	6,757.55	188.20	39.08	-88.70	-2,152.70	-6,055.97	1,334.22	1,116.08	218.13	6.117		
13,400.00	6,783.53	6,886.68	6,756.03	191.01	39.08	-88.64	-2,152.66	-6,055.97	1,325.10	1,101.92	223.18	5.937		
13,471.25	6,782.52	6,885.62	6,754.96	193.02	39.07	-88.59	-2,152.63	-6,055.97	1,323.19	1,097.00	226.19	5.850 CC		
13,500.00	6,782.11	6,885.19	6,754.54	193.83	39.07	-88.57	-2,152.62	-6,055.97	1,323.50	1,096.24	227.26	5.824 ES		
13,600.00	6,780.68	6,883.73	6,753.07	196.65	39.07	-88.51	-2,152.59	-6,055.97	1,329.43	1,099.16	230.28	5.773 SF		
13,700.00	6,779.26	6,882.29	6,751.64	199.47	39.06	-88.45	-2,152.55	-6,055.97	1,342.81	1,110.61	232.20	5.783		
13,800.00	6,777.84	6,880.88	6,750.22	202.29	39.06	-88.38	-2,152.52	-6,055.97	1,363.41	1,130.35	233.06	5.850		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	6,879.49	6,748.84	205.11	39.05	-88.32	-2,152.48	-6,055.98	1,390.90	1,157.99	232.91	5.972		
14,000.00	6,774.99	6,878.12	6,747.47	207.93	39.05	-88.27	-2,152.45	-6,055.98	1,424.90	1,193.02	231.88	6.145		
14,100.00	6,773.57	6,876.78	6,746.13	210.76	39.05	-88.21	-2,152.42	-6,055.98	1,464.95	1,234.87	230.08	6.367		
14,200.00	6,772.15	6,875.46	6,744.81	213.58	39.04	-88.15	-2,152.38	-6,055.98	1,510.56	1,282.90	227.66	6.635		
14,300.00	6,770.72	6,874.17	6,743.52	216.40	39.04	-88.09	-2,152.35	-6,055.98	1,561.25	1,336.50	224.75	6.947		
14,400.00	6,769.30	6,872.89	6,742.24	219.23	39.03	-88.04	-2,152.32	-6,055.97	1,616.55	1,395.05	221.50	7.298		
14,500.00	6,767.88	6,871.64	6,740.99	222.06	39.03	-87.98	-2,152.29	-6,055.97	1,675.99	1,457.99	217.99	7.688		
14,600.00	6,766.45	6,870.41	6,739.76	224.89	39.03	-87.93	-2,152.26	-6,055.97	1,739.15	1,524.81	214.34	8.114		
14,700.00	6,765.03	6,869.20	6,738.55	227.71	39.02	-87.88	-2,152.23	-6,055.97	1,805.64	1,595.02	210.62	8.573		
14,800.00	6,763.61	6,868.00	6,737.35	230.54	39.02	-87.83	-2,152.20	-6,055.97	1,875.11	1,668.22	206.89	9.063		
14,900.00	6,762.19	6,866.83	6,736.18	233.37	39.01	-87.78	-2,152.17	-6,055.97	1,947.24	1,744.05	203.20	9.583		
15,000.00	6,760.76	6,865.68	6,735.03	236.20	39.01	-87.73	-2,152.14	-6,055.97	2,021.74	1,822.17	199.57	10.130		
15,100.00	6,759.34	6,864.54	6,733.89	239.03	39.01	-87.68	-2,152.12	-6,055.97	2,098.37	1,902.32	196.04	10.704		
15,200.00	6,757.92	6,863.42	6,732.77	241.86	39.00	-87.63	-2,152.09	-6,055.97	2,176.88	1,984.25	192.63	11.301		
15,300.00	6,756.49	6,862.32	6,731.67	244.70	39.00	-87.58	-2,152.06	-6,055.97	2,257.10	2,067.76	189.34	11.921		
15,334.64	6,756.00	6,861.94	6,731.29	245.68	39.00	-87.57	-2,152.05	-6,055.96	2,285.25	2,097.02	188.23	12.141		
15,335.52	6,755.99	6,861.93	6,731.28	245.70	39.00	-87.56	-2,152.05	-6,055.96	2,285.97	2,097.77	188.20	12.146		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	10.27	10.27	3.28	3.28	-103.44	-1,301.77	-5,446.13	5,599.55					
100.00	100.00	154.32	154.31	3.28	3.31	-103.44	-1,301.68	-5,445.04	5,598.70	5,592.10	6.60	848.849		
200.00	200.00	242.60	242.59	3.34	3.38	-103.45	-1,301.65	-5,444.35	5,597.92	5,591.20	6.72	833.040		
300.00	300.00	331.76	331.75	3.44	3.50	-103.45	-1,301.66	-5,443.78	5,597.31	5,590.36	6.94	806.427		
320.64	320.63	348.58	348.57	3.47	3.52	126.45	-1,301.67	-5,443.70	5,597.25	5,590.26	6.99	800.274		
400.00	399.98	415.82	415.81	3.60	3.64	126.45	-1,301.68	-5,443.49	5,598.01	5,590.77	7.23	773.918		
500.00	499.84	515.80	515.79	3.79	3.84	126.45	-1,301.60	-5,443.31	5,600.93	5,593.30	7.63	734.031		
600.00	599.45	624.97	624.96	4.03	4.10	126.45	-1,301.42	-5,442.96	5,605.76	5,597.63	8.13	689.681		
700.00	698.70	710.24	710.23	4.30	4.33	126.42	-1,301.35	-5,442.75	5,612.78	5,604.15	8.63	650.366		
785.00	782.69	785.33	785.32	4.56	4.55	126.39	-1,301.37	-5,442.70	5,620.55	5,611.45	9.10	617.323		
800.00	797.47	798.55	798.54	4.60	4.59	126.41	-1,301.38	-5,442.71	5,622.07	5,612.88	9.19	611.568		
900.00	896.04	865.61	865.60	4.94	4.79	126.50	-1,301.71	-5,442.85	5,632.51	5,622.78	9.73	578.977		
1,000.00	994.61	900.00	899.98	5.30	4.90	126.54	-1,302.11	-5,443.03	5,643.67	5,633.48	10.19	553.842		
1,100.00	1,093.18	956.15	956.11	5.69	5.09	126.61	-1,303.52	-5,443.69	5,655.69	5,644.95	10.75	526.349		
1,200.00	1,191.75	1,000.00	999.90	6.08	5.24	126.65	-1,305.53	-5,444.64	5,668.88	5,657.60	11.28	502.720		
1,300.00	1,290.32	1,038.26	1,038.07	6.49	5.38	126.68	-1,307.91	-5,445.72	5,683.08	5,671.27	11.81	481.164		
1,400.00	1,388.89	1,100.00	1,099.57	6.91	5.62	126.72	-1,312.92	-5,447.86	5,698.27	5,685.83	12.44	457.906		
1,500.00	1,487.46	1,130.72	1,130.11	7.34	5.76	126.74	-1,315.96	-5,449.09	5,714.28	5,701.30	12.98	440.236		
1,600.00	1,586.03	1,178.45	1,177.48	7.77	5.97	126.75	-1,321.42	-5,451.19	5,731.21	5,717.62	13.59	421.597		
1,700.00	1,684.61	1,232.15	1,230.64	8.22	6.23	126.76	-1,328.56	-5,453.81	5,749.00	5,734.74	14.25	403.362		
1,800.00	1,783.18	1,300.00	1,297.63	8.66	6.57	126.76	-1,338.74	-5,457.38	5,767.49	5,752.50	15.00	384.622		
1,900.00	1,881.75	1,336.62	1,333.70	9.11	6.78	126.76	-1,344.75	-5,459.49	5,786.73	5,771.12	15.60	370.926		
2,000.00	1,980.32	1,400.00	1,395.93	9.57	7.13	126.74	-1,356.00	-5,463.64	5,806.97	5,790.62	16.35	355.126		
2,100.00	2,078.89	1,448.96	1,443.87	10.02	7.43	126.72	-1,365.34	-5,467.06	5,827.87	5,810.82	17.04	341.958		
2,200.00	2,177.46	1,525.62	1,518.75	10.49	7.90	126.69	-1,380.88	-5,472.29	5,849.09	5,831.19	17.90	326.720		
2,300.00	2,276.03	1,583.67	1,575.28	10.95	8.26	126.65	-1,393.38	-5,476.44	5,870.89	5,852.22	18.67	314.533		
2,400.00	2,374.60	1,672.65	1,661.62	11.41	8.85	126.58	-1,413.93	-5,482.91	5,893.16	5,873.52	19.65	299.982		
2,500.00	2,473.17	1,737.79	1,724.50	11.88	9.31	126.52	-1,430.28	-5,487.43	5,915.63	5,895.13	20.50	288.606		
2,600.00	2,571.74	1,800.00	1,784.21	12.35	9.77	126.45	-1,447.15	-5,491.97	5,938.84	5,917.49	21.34	278.241		
2,700.00	2,670.31	1,838.44	1,820.93	12.82	10.07	126.40	-1,458.16	-5,494.94	5,962.78	5,940.74	22.04	270.529		
2,800.00	2,768.88	1,900.00	1,879.44	13.29	10.56	126.31	-1,476.58	-5,500.01	5,987.56	5,964.65	22.92	261.271		
2,900.00	2,867.45	1,938.46	1,915.83	13.76	10.90	126.26	-1,488.60	-5,503.34	6,013.06	5,989.43	23.63	254.448		
3,000.00	2,966.02	2,000.00	1,973.72	14.24	11.44	126.16	-1,508.70	-5,508.86	6,039.32	6,014.78	24.54	246.100		
3,100.00	3,064.59	2,055.17	2,025.31	14.71	11.96	126.06	-1,527.58	-5,513.92	6,066.19	6,040.76	25.43	238.583		
3,200.00	3,163.16	2,100.00	2,067.02	15.19	12.38	125.97	-1,543.49	-5,518.04	6,093.62	6,067.40	26.21	232.449		
3,300.00	3,261.73	2,168.00	2,129.97	15.66	13.06	125.84	-1,568.37	-5,524.50	6,121.64	6,094.39	27.25	224.660		
3,400.00	3,360.30	2,200.00	2,159.48	16.14	13.39	125.77	-1,580.35	-5,527.69	6,150.47	6,122.54	27.93	220.228		
3,500.00	3,458.87	2,264.64	2,218.83	16.62	14.08	125.63	-1,605.03	-5,534.47	6,179.96	6,151.00	28.95	213.455		
3,600.00	3,557.44	2,300.00	2,251.16	17.10	14.45	125.56	-1,618.81	-5,538.38	6,210.29	6,180.61	29.67	209.302		
3,700.00	3,656.01	2,361.21	2,306.90	17.58	15.15	125.42	-1,643.11	-5,545.46	6,241.31	6,210.62	30.68	203.407		
3,800.00	3,754.58	2,413.86	2,354.61	18.06	15.76	125.30	-1,664.44	-5,551.84	6,273.06	6,241.45	31.61	198.471		
3,900.00	3,853.15	2,480.43	2,414.63	18.54	16.56	125.15	-1,692.02	-5,560.04	6,305.35	6,272.64	32.70	192.795		
4,000.00	3,951.72	2,532.99	2,461.76	19.02	17.22	125.02	-1,714.36	-5,566.58	6,338.16	6,304.50	33.66	188.280		
4,100.00	4,050.29	2,579.36	2,503.03	19.50	17.82	124.90	-1,734.65	-5,572.48	6,371.69	6,337.14	34.56	184.388		
4,200.00	4,148.86	2,632.72	2,550.19	19.98	18.54	124.76	-1,758.63	-5,579.44	6,405.93	6,370.38	35.55	180.179		
4,300.00	4,247.43	2,700.00	2,609.37	20.46	19.47	124.58	-1,789.36	-5,588.39	6,440.74	6,403.99	36.74	175.292		
4,400.00	4,346.00	2,806.73	2,703.35	20.94	20.95	124.30	-1,837.87	-5,602.74	6,475.74	6,437.30	38.44	168.443		
4,500.00	4,444.58	2,921.30	2,805.23	21.43	22.46	124.02	-1,887.96	-5,618.16	6,510.25	6,470.06	40.18	162.013		
4,600.00	4,543.15	2,969.65	2,848.33	21.91	23.09	123.91	-1,908.80	-5,624.92	6,545.16	6,504.08	41.08	159.319		
4,700.00	4,641.72	4,700.00	2,998.94	22.39	44.11	123.54	-1,979.31	-5,649.43	6,580.66	6,521.40	59.26	111.043		
4,800.00	4,740.29	3,324.10	3,168.05	22.87	27.40	123.17	-2,053.42	-5,674.51	6,614.09	6,568.30	45.78	144.463		
4,900.00	4,838.86	3,705.70	3,519.55	23.36	31.20	122.51	-2,195.37	-5,717.72	6,644.44	6,594.57	49.87	133.245		

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 34N-6A-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 34N-6A-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	4,937.43	3,732.12	3,543.88	23.84	31.47	122.47	-2,205.34	-5,720.28	6,673.97	6,623.50	50.47	132.244		
5,100.00	5,036.00	3,762.51	3,571.70	24.32	31.78	122.41	-2,217.18	-5,723.38	6,704.43	6,653.34	51.10	131.214		
5,200.00	5,134.57	3,800.00	3,605.76	24.81	32.16	122.34	-2,232.31	-5,727.40	6,735.84	6,684.05	51.79	130.064		
5,300.00	5,233.14	3,836.93	3,639.14	25.29	32.58	122.26	-2,247.56	-5,731.55	6,768.07	6,715.57	52.51	128.901		
5,400.00	5,331.71	3,900.00	3,695.97	25.78	33.31	122.13	-2,273.89	-5,738.96	6,801.00	6,747.49	53.51	127.090		
5,500.00	5,430.28	3,946.44	3,737.70	26.26	33.86	122.03	-2,293.45	-5,744.60	6,834.47	6,780.13	54.34	125.763		
5,600.00	5,528.85	4,032.01	3,814.48	26.75	34.89	121.85	-2,329.74	-5,755.19	6,868.38	6,812.75	55.63	123.470		
5,700.00	5,627.42	4,225.49	3,989.80	27.23	37.08	121.49	-2,408.09	-5,778.55	6,901.28	6,843.21	58.06	118.855		
5,800.00	5,725.99	4,271.31	4,031.76	27.72	37.57	121.41	-2,425.54	-5,784.40	6,934.19	6,875.36	58.83	117.866		
5,900.00	5,824.56	4,319.32	4,075.66	28.20	38.09	121.33	-2,443.87	-5,790.85	6,967.76	6,908.14	59.62	116.865		
6,000.00	5,923.13	4,371.12	4,122.92	28.69	38.67	121.25	-2,463.80	-5,798.07	7,001.94	6,941.48	60.46	115.813		
6,100.00	6,021.70	4,458.10	4,202.06	29.17	39.67	121.11	-2,497.73	-5,810.44	7,036.59	6,974.90	61.69	114.056		
6,200.00	6,120.27	4,566.48	4,300.24	29.66	40.93	120.91	-2,541.21	-5,825.06	7,071.04	7,007.85	63.19	111.902		
6,238.51	6,158.23	4,603.90	4,334.03	29.84	41.37	120.85	-2,556.55	-5,829.95	7,084.29	7,020.57	63.72	111.181		
6,250.00	6,169.57	4,610.66	4,340.12	29.90	41.46	116.53	-2,559.34	-5,830.82	7,088.16	7,024.33	63.83	111.049		
6,300.00	6,219.12	4,645.37	4,371.36	30.13	41.88	87.90	-2,573.77	-5,835.31	7,102.83	7,038.48	64.35	110.370		
6,350.00	6,268.78	4,680.44	4,402.85	30.33	42.30	50.40	-2,588.55	-5,839.83	7,113.97	7,049.10	64.86	109.679		
6,400.00	6,318.25	4,714.42	4,433.27	30.52	42.72	25.72	-2,603.02	-5,844.21	7,121.51	7,056.17	65.34	108.998		
6,450.00	6,367.22	4,746.91	4,462.38	30.69	43.12	13.03	-2,616.82	-5,848.48	7,125.43	7,059.65	65.78	108.325		
6,500.00	6,415.39	4,779.33	4,491.45	30.86	43.52	5.94	-2,630.51	-5,852.84	7,125.72	7,059.51	66.21	107.628		
6,550.00	6,462.47	4,800.00	4,509.99	31.02	43.78	1.50	-2,639.19	-5,855.68	7,122.39	7,055.90	66.48	107.133		
6,600.00	6,508.16	4,837.04	4,543.18	31.18	44.25	-1.65	-2,654.80	-5,860.84	7,115.45	7,048.50	66.95	106.278		
6,650.00	6,552.18	4,863.56	4,566.90	31.34	44.59	-4.02	-2,666.07	-5,864.58	7,104.98	7,037.70	67.28	105.601		
6,700.00	6,594.26	4,900.00	4,599.41	31.51	45.06	-6.02	-2,681.68	-5,869.78	7,091.06	7,023.34	67.72	104.706		
6,750.00	6,634.14	4,919.51	4,616.80	31.68	45.32	-7.73	-2,690.06	-5,872.59	7,073.71	7,005.76	67.95	104.096		
6,800.00	6,671.58	4,952.39	4,646.11	31.86	45.75	-9.38	-2,704.16	-5,877.38	7,053.03	6,984.69	68.34	103.199		
6,850.00	6,706.34	5,269.31	4,930.30	32.06	49.64	-12.40	-2,838.15	-5,918.62	7,028.95	6,956.88	72.07	97.525		
6,900.00	6,738.21	5,338.12	4,992.72	32.27	50.39	-14.47	-2,866.04	-5,926.37	7,000.43	6,927.64	72.80	96.166		
6,950.00	6,766.99	5,404.16	5,052.91	32.52	51.09	-16.75	-2,892.21	-5,933.74	6,968.92	6,895.45	73.47	94.854		
7,000.00	6,792.51	7,000.00	5,054.95	32.80	68.09	-18.93	-2,893.14	-5,934.00	6,934.78	6,846.78	88.00	78.808		
7,050.00	6,814.61	5,427.10	5,073.86	33.12	51.34	-21.59	-2,901.19	-5,936.36	6,898.22	6,824.56	73.66	93.654		
7,100.00	6,833.15	5,438.16	5,083.95	33.48	51.45	-24.67	-2,905.50	-5,937.67	6,859.54	6,785.80	73.74	93.017		
7,150.00	6,848.02	5,447.74	5,092.71	33.89	51.56	-28.38	-2,909.24	-5,938.82	6,818.93	6,745.11	73.82	92.373		
7,200.00	6,859.13	5,455.79	5,100.06	34.35	51.64	-32.93	-2,912.36	-5,939.80	6,776.62	6,702.73	73.88	91.724		
7,250.00	6,866.40	5,462.23	5,105.93	34.86	51.71	-38.59	-2,914.86	-5,940.59	6,732.85	6,658.92	73.93	91.070		
7,300.00	6,869.79	5,467.00	5,110.29	35.40	51.76	-45.66	-2,916.71	-5,941.18	6,687.87	6,613.90	73.97	90.415		
7,327.68	6,870.00	5,468.90	5,112.02	35.71	51.78	-50.29	-2,917.45	-5,941.42	6,662.55	6,588.57	73.99	90.050		
7,400.00	6,868.97	5,473.19	5,115.95	36.61	51.83	-50.38	-2,919.11	-5,941.96	6,596.13	6,522.09	74.03	89.098		
7,500.00	6,867.54	5,500.00	5,140.43	38.01	52.11	-50.94	-2,929.47	-5,945.42	6,504.54	6,430.20	74.35	87.491		
7,600.00	6,866.12	5,500.00	5,140.43	39.58	52.11	-50.94	-2,929.47	-5,945.42	6,413.09	6,338.68	74.41	86.190		
7,700.00	6,864.69	5,500.00	5,140.43	41.29	52.11	-50.94	-2,929.47	-5,945.42	6,321.90	6,247.39	74.50	84.853		
7,800.00	6,863.27	5,500.00	5,140.43	43.12	52.11	-50.94	-2,929.47	-5,945.42	6,230.97	6,156.33	74.64	83.481		
7,900.00	6,861.85	5,500.00	5,140.43	45.06	52.11	-50.94	-2,929.47	-5,945.42	6,140.33	6,065.52	74.81	82.074		
8,000.00	6,860.42	5,513.80	5,153.03	47.10	52.27	-51.23	-2,934.79	-5,947.25	6,049.96	5,974.77	75.19	80.464		
8,100.00	6,859.00	5,522.00	5,160.52	49.21	52.36	-51.40	-2,937.95	-5,948.35	5,959.88	5,884.34	75.55	78.891		
8,200.00	6,857.57	5,530.31	5,168.10	51.40	52.45	-51.57	-2,941.16	-5,949.47	5,870.11	5,794.16	75.95	77.286		
8,300.00	6,856.15	5,538.72	5,175.78	53.65	52.55	-51.75	-2,944.40	-5,950.61	5,780.65	5,704.24	76.41	75.651		
8,400.00	6,854.72	5,547.25	5,183.56	55.96	52.64	-51.93	-2,947.69	-5,951.77	5,691.53	5,614.60	76.93	73.987		
8,500.00	6,853.30	5,555.88	5,191.43	58.31	52.74	-52.11	-2,951.03	-5,952.95	5,602.74	5,525.25	77.50	72.297		
8,600.00	6,851.88	5,564.62	5,199.40	60.70	52.84	-52.30	-2,954.41	-5,954.16	5,514.33	5,436.20	78.12	70.584		
8,700.00	6,850.45	8,700.00	5,280.45	63.14	85.27	-54.16	-2,986.93	-5,966.55	5,426.13	5,322.56	103.57	52.392		
8,800.00	6,849.03	5,726.03	5,348.32	65.60	54.52	-55.73	-3,012.24	-5,976.89	5,338.23	5,257.02	81.21	65.732		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	5,732.21	5,354.09	68.10	54.58	-55.86	-3,014.26	-5,977.79	5,250.63	5,168.62	82.01	64.025		
9,000.00	6,846.18	5,738.51	5,359.97	70.62	54.64	-56.00	-3,016.34	-5,978.72	5,163.46	5,080.59	82.87	62.307		
9,100.00	6,844.75	5,744.95	5,365.97	73.17	54.70	-56.14	-3,018.45	-5,979.67	5,076.75	4,992.94	83.80	60.580		
9,200.00	6,843.33	5,751.51	5,372.09	75.73	54.77	-56.28	-3,020.61	-5,980.66	4,990.51	4,905.70	84.80	58.847		
9,300.00	6,841.91	5,758.21	5,378.33	78.32	54.83	-56.42	-3,022.83	-5,981.67	4,904.77	4,818.90	85.88	57.113		
9,400.00	6,840.48	5,765.05	5,384.70	80.92	54.90	-56.57	-3,025.09	-5,982.72	4,819.57	4,732.54	87.03	55.381		
9,500.00	6,839.06	5,772.04	5,391.20	83.54	54.97	-56.72	-3,027.40	-5,983.80	4,734.92	4,646.67	88.25	53.654		
9,600.00	6,837.63	5,800.00	5,417.20	86.18	55.24	-57.33	-3,036.69	-5,988.24	4,650.96	4,561.15	89.80	51.791		
9,700.00	6,836.21	5,800.00	5,417.20	88.82	55.24	-57.33	-3,036.69	-5,988.24	4,567.45	4,476.36	91.10	50.138		
9,800.00	6,834.78	5,800.00	5,417.20	91.48	55.24	-57.33	-3,036.69	-5,988.24	4,484.63	4,392.16	92.47	48.499		
9,900.00	6,833.36	5,804.25	5,421.15	94.15	55.28	-57.42	-3,038.11	-5,988.93	4,402.51	4,308.54	93.97	46.849		
10,000.00	6,831.94	5,825.74	5,441.12	96.83	55.50	-57.89	-3,045.22	-5,992.43	4,321.10	4,225.32	95.78	45.114		
10,100.00	6,830.51	5,847.63	5,461.50	99.52	55.72	-58.36	-3,052.36	-5,996.03	4,240.40	4,142.71	97.69	43.407		
10,200.00	6,829.09	5,869.94	5,482.29	102.22	55.95	-58.85	-3,059.54	-5,999.74	4,160.45	4,060.76	99.69	41.732		
10,300.00	6,827.66	5,892.67	5,503.50	104.92	56.17	-59.35	-3,066.76	-6,003.56	4,081.29	3,979.49	101.80	40.091		
10,400.00	6,826.24	5,915.83	5,525.15	107.63	56.41	-59.86	-3,074.01	-6,007.49	4,002.98	3,898.97	104.01	38.486		
10,500.00	6,824.81	5,900.00	5,510.35	110.35	56.25	-59.51	-3,069.07	-6,004.80	3,925.69	3,819.91	105.78	37.112		
10,600.00	6,823.39	5,922.96	5,531.78	113.08	56.49	-60.02	-3,076.29	-6,008.75	3,849.29	3,741.11	108.18	35.582		
10,700.00	6,821.96	5,931.95	5,540.16	115.81	56.58	-60.21	-3,079.12	-6,010.33	3,774.00	3,663.51	110.49	34.157		
10,800.00	6,820.54	5,941.18	5,548.77	118.54	56.68	-60.42	-3,082.04	-6,011.98	3,699.85	3,586.95	112.90	32.771		
10,900.00	6,819.12	5,950.67	5,557.60	121.29	56.78	-60.63	-3,085.04	-6,013.70	3,626.89	3,511.47	115.42	31.423		
11,000.00	6,817.69	5,960.42	5,566.67	124.03	56.88	-60.84	-3,088.13	-6,015.49	3,555.20	3,437.14	118.05	30.116		
11,100.00	6,816.27	5,970.45	5,576.00	126.78	56.99	-61.06	-3,091.32	-6,017.35	3,484.85	3,364.05	120.79	28.850		
11,200.00	6,814.84	5,980.76	5,585.59	129.54	57.10	-61.29	-3,094.60	-6,019.30	3,415.92	3,292.28	123.65	27.627		
11,300.00	6,813.42	6,000.00	5,603.44	132.29	57.30	-61.72	-3,100.73	-6,023.00	3,348.53	3,221.77	126.76	26.417		
11,400.00	6,811.99	6,000.00	5,603.44	135.05	57.30	-61.72	-3,100.73	-6,023.00	3,282.69	3,153.03	129.67	25.316		
11,500.00	6,810.57	6,000.00	5,603.44	137.82	57.30	-61.72	-3,100.73	-6,023.00	3,218.62	3,085.94	132.68	24.259		
11,534.42	6,810.08	6,000.00	5,603.44	138.77	57.30	-61.72	-3,100.73	-6,023.00	3,196.99	3,063.25	133.74	23.905		
11,600.00	6,809.15	6,000.00	5,603.44	140.59	57.30	-62.18	-3,100.73	-6,023.00	3,156.94	3,021.12	135.82	23.244		
11,645.35	6,808.50	6,022.93	5,624.67	141.85	57.57	-62.97	-3,108.14	-6,027.50	3,130.19	2,992.46	137.74	22.726		
11,700.00	6,807.72	6,027.49	5,628.88	143.37	57.63	-63.07	-3,109.64	-6,028.40	3,099.00	2,959.33	139.67	22.188		
11,800.00	6,806.30	6,035.93	5,636.66	146.16	57.73	-63.25	-3,112.42	-6,030.08	3,043.58	2,900.28	143.30	21.239		
11,900.00	6,804.88	6,044.47	5,644.54	148.94	57.83	-63.44	-3,115.26	-6,031.79	2,990.43	2,843.40	147.04	20.338		
12,000.00	6,803.45	6,053.13	5,652.51	151.74	57.94	-63.63	-3,118.17	-6,033.54	2,939.67	2,788.79	150.89	19.483		
12,100.00	6,802.03	6,061.91	5,660.57	154.53	58.04	-63.82	-3,121.14	-6,035.32	2,891.43	2,736.59	154.83	18.674		
12,200.00	6,800.61	6,070.80	5,668.73	157.32	58.15	-64.02	-3,124.17	-6,037.14	2,845.82	2,686.93	158.88	17.911		
12,300.00	6,799.18	6,100.00	5,695.43	160.12	58.50	-64.66	-3,134.32	-6,043.18	2,803.13	2,639.66	163.47	17.148		
12,400.00	6,797.76	6,100.00	5,695.43	162.92	58.50	-64.66	-3,134.32	-6,043.18	2,763.07	2,595.56	167.51	16.495		
12,500.00	6,796.34	6,100.00	5,695.43	165.72	58.50	-64.66	-3,134.32	-6,043.18	2,726.10	2,554.49	171.60	15.886		
12,600.00	6,794.92	12,600.00	5,752.14	168.53	140.37	-66.02	-3,155.10	-6,055.88	2,691.62	2,481.50	210.12	12.810		
12,700.00	6,793.49	6,257.86	5,841.04	171.33	60.34	-68.15	-3,186.56	-6,074.55	2,660.45	2,476.77	183.69	14.484		
12,800.00	6,792.07	6,287.84	5,869.01	174.14	60.65	-68.81	-3,196.19	-6,079.41	2,632.27	2,443.54	188.73	13.947		
12,900.00	6,790.65	6,311.90	5,891.52	176.95	60.90	-69.35	-3,203.92	-6,082.94	2,607.47	2,413.79	193.68	13.462		
13,000.00	6,789.22	6,315.91	5,895.26	179.76	60.93	-69.44	-3,205.22	-6,083.56	2,586.26	2,388.10	198.16	13.051		
13,100.00	6,787.80	6,326.35	5,905.02	182.57	61.03	-69.68	-3,208.59	-6,085.09	2,568.71	2,365.96	202.75	12.669		
13,200.00	6,786.38	6,336.78	5,914.77	185.38	61.13	-69.91	-3,211.97	-6,086.62	2,554.91	2,347.62	207.29	12.325		
13,300.00	6,784.95	6,347.19	5,924.50	188.20	61.23	-70.14	-3,215.36	-6,088.14	2,544.90	2,333.17	211.73	12.020		
13,400.00	6,783.53	6,357.60	5,934.22	191.01	61.33	-70.38	-3,218.75	-6,089.66	2,538.75	2,322.70	216.05	11.751		
13,500.00	6,782.11	6,367.98	5,943.91	193.83	61.43	-70.61	-3,222.14	-6,091.18	2,536.47	2,316.26	220.21	11.518		
13,508.57	6,781.99	6,368.87	5,944.74	194.07	61.44	-70.63	-3,222.43	-6,091.31	2,536.46	2,315.90	220.56	11.500 CC		
13,600.00	6,780.68	6,378.35	5,953.59	196.65	61.53	-70.84	-3,225.55	-6,092.70	2,538.08	2,313.90	224.19	11.321 ES		
13,700.00	6,779.26	6,388.71	5,963.26	199.47	61.62	-71.07	-3,228.95	-6,094.21	2,543.57	2,315.62	227.95	11.158		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,800.00	6,777.84	6,400.00	5,973.79	202.29	61.73	-71.33	-3,232.68	-6,095.85	2,552.92	2,321.41	231.51	11.027		
13,900.00	6,776.42	6,408.72	5,981.91	205.11	61.81	-71.52	-3,235.56	-6,097.12	2,566.08	2,331.34	234.74	10.932		
14,000.00	6,774.99	6,417.99	5,990.56	207.93	61.90	-71.73	-3,238.64	-6,098.44	2,583.01	2,345.29	237.72	10.866		
14,100.00	6,773.57	6,426.94	5,998.90	210.76	61.99	-71.93	-3,241.62	-6,099.69	2,603.62	2,363.21	240.41	10.830		
14,200.00	6,772.15	6,435.58	6,006.96	213.58	62.07	-72.12	-3,244.51	-6,100.89	2,627.84	2,385.03	242.80	10.823 SF		
14,300.00	6,770.72	6,443.93	6,014.75	216.40	62.15	-72.31	-3,247.30	-6,102.02	2,655.56	2,410.66	244.91	10.843		
14,400.00	6,769.30	6,452.00	6,022.28	219.23	62.22	-72.49	-3,250.01	-6,103.11	2,686.69	2,439.97	246.72	10.890		
14,500.00	6,767.88	6,459.82	6,029.56	222.06	62.30	-72.67	-3,252.64	-6,104.14	2,721.10	2,472.85	248.26	10.961		
14,600.00	6,766.45	6,467.38	6,036.61	224.89	62.37	-72.83	-3,255.19	-6,105.13	2,758.68	2,509.17	249.52	11.056		
14,700.00	6,765.03	6,474.70	6,043.44	227.71	62.44	-73.00	-3,257.67	-6,106.07	2,799.30	2,548.78	250.53	11.174		
14,800.00	6,763.61	6,481.80	6,050.05	230.54	62.50	-73.16	-3,260.07	-6,106.97	2,842.83	2,591.54	251.29	11.313		
14,900.00	6,762.19	6,500.00	6,067.02	233.37	62.67	-73.57	-3,266.26	-6,109.22	2,889.18	2,637.00	252.18	11.457		
15,000.00	6,760.76	6,500.00	6,067.02	236.20	62.67	-73.57	-3,266.26	-6,109.22	2,938.11	2,685.80	252.31	11.645		
15,100.00	6,759.34	6,504.37	6,071.10	239.03	62.71	-73.66	-3,267.75	-6,109.75	2,989.58	2,737.21	252.38	11.846		
15,200.00	6,757.92	6,518.98	6,084.73	241.86	62.83	-73.99	-3,272.69	-6,111.48	3,043.43	2,790.85	252.59	12.049		
15,300.00	6,756.49	6,532.49	6,097.38	244.70	62.94	-74.29	-3,277.21	-6,113.02	3,099.53	2,846.92	252.61	12.270		
15,334.64	6,756.00	6,536.94	6,101.54	245.68	62.98	-74.39	-3,278.68	-6,113.52	3,119.47	2,866.89	252.58	12.350		
15,335.52	6,755.99	6,537.05	6,101.65	245.70	62.98	-74.39	-3,278.72	-6,113.53	3,119.98	2,867.40	252.58	12.353		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	23.07	2,360.69	1,005.67	2,566.04					
100.00	100.00	79.29	79.29	3.28	3.28	23.08	2,360.71	1,005.74	2,566.02	2,559.45	6.57	390.620		
200.00	200.00	179.68	179.68	3.34	3.33	23.08	2,360.75	1,005.93	2,566.14	2,559.47	6.66	385.093		
300.00	300.00	278.53	278.53	3.44	3.42	23.08	2,360.81	1,006.06	2,566.24	2,559.37	6.87	373.666		
400.00	399.98	376.94	376.94	3.60	3.57	-107.04	2,360.96	1,006.11	2,566.92	2,559.75	7.16	358.343		
500.00	499.84	475.51	475.50	3.79	3.75	-107.12	2,361.25	1,005.99	2,568.68	2,561.14	7.54	340.611		
600.00	599.45	571.93	571.92	4.03	3.97	-107.25	2,361.64	1,005.81	2,571.56	2,563.57	7.99	321.741		
700.00	698.70	672.32	672.32	4.30	4.23	-107.45	2,362.19	1,005.47	2,575.60	2,567.08	8.52	302.238		
785.00	782.69	759.71	759.71	4.56	4.47	-107.67	2,362.62	1,005.04	2,579.82	2,570.79	9.03	285.831		
800.00	797.47	775.15	775.15	4.60	4.52	-107.72	2,362.68	1,004.95	2,580.62	2,571.50	9.12	282.993		
900.00	896.04	873.66	873.65	4.94	4.82	-108.09	2,363.06	1,004.40	2,586.02	2,576.27	9.75	265.137		
1,000.00	994.61	970.28	970.27	5.30	5.13	-108.44	2,363.44	1,003.99	2,591.58	2,581.16	10.42	248.669		
1,100.00	1,093.18	1,341.75	1,341.07	5.69	6.51	-109.61	2,345.47	1,003.89	2,593.89	2,581.79	12.11	214.282		
1,200.00	1,191.75	1,200.00	1,561.77	6.08	5.91	-110.21	2,315.97	1,001.96	2,586.76	2,574.82	11.94	216.583		
1,300.00	1,290.32	1,867.62	1,857.88	6.49	9.34	-110.75	2,251.63	1,003.42	2,571.05	2,556.11	14.94	172.075		
1,400.00	1,388.89	1,995.09	1,981.12	6.91	10.17	-110.92	2,219.16	1,005.42	2,553.38	2,537.47	15.90	160.560		
1,500.00	1,487.46	2,183.35	2,161.76	7.34	11.47	-111.12	2,166.26	1,008.23	2,532.99	2,515.87	17.12	147.925		
1,600.00	1,586.03	2,459.68	2,422.50	7.77	13.61	-111.40	2,075.02	1,008.51	2,507.23	2,488.55	18.68	134.241		
1,700.00	1,684.61	2,755.07	2,692.68	8.22	16.39	-111.52	1,956.01	1,008.93	2,474.94	2,454.60	20.34	121.707		
1,800.00	1,783.18	2,800.00	2,733.00	8.66	16.86	-111.53	1,936.20	1,008.75	2,439.20	2,418.13	21.07	115.767		
1,900.00	1,881.75	2,858.16	2,785.68	9.11	17.41	-111.56	1,911.56	1,008.45	2,404.96	2,383.10	21.85	110.044		
2,000.00	1,980.32	2,900.00	2,824.11	9.57	17.80	-111.58	1,895.02	1,008.32	2,373.10	2,350.51	22.59	105.046		
2,100.00	2,078.89	3,073.73	2,982.52	10.02	19.40	-111.68	1,823.74	1,007.32	2,339.07	2,315.28	23.79	98.318		
2,200.00	2,177.46	3,136.69	3,039.87	10.49	19.97	-111.72	1,797.77	1,006.86	2,305.56	2,280.94	24.62	93.655		
2,300.00	2,276.03	3,200.00	3,098.11	10.95	20.52	-111.78	1,772.96	1,005.88	2,273.63	2,248.19	25.45	89.347		
2,400.00	2,374.60	3,314.73	3,203.85	11.41	21.47	-111.92	1,728.51	1,003.46	2,242.11	2,215.69	26.42	84.869		
2,500.00	2,473.17	3,403.55	3,285.60	11.88	22.22	-112.05	1,693.89	1,000.91	2,210.05	2,182.72	27.32	80.891		
2,600.00	2,571.74	3,457.99	3,335.94	12.35	22.65	-112.14	1,673.20	999.33	2,178.91	2,150.78	28.13	77.455		
2,700.00	2,670.31	3,524.75	3,398.07	12.82	23.18	-112.24	1,648.82	997.93	2,149.44	2,120.46	28.98	74.177		
2,800.00	2,768.88	3,620.65	3,487.35	13.29	23.90	-112.37	1,613.84	996.88	2,120.41	2,090.50	29.91	70.894		
2,900.00	2,867.45	3,717.83	3,577.79	13.76	24.65	-112.48	1,578.28	996.31	2,091.45	2,060.60	30.85	67.785		
3,000.00	2,966.02	3,841.04	3,691.92	14.24	25.62	-112.59	1,531.87	996.70	2,061.74	2,029.86	31.88	64.672		
3,100.00	3,064.59	3,968.92	3,809.60	14.71	26.67	-112.68	1,481.81	997.47	2,030.70	1,997.77	32.92	61.677		
3,200.00	3,163.16	4,095.55	3,925.20	15.19	27.77	-112.74	1,430.15	998.33	1,998.04	1,964.07	33.97	58.825		
3,300.00	3,261.73	4,168.04	3,991.45	15.66	28.38	-112.82	1,400.73	997.71	1,965.14	1,930.26	34.88	56.336		
3,400.00	3,360.30	4,264.89	4,080.43	16.14	29.19	-112.96	1,362.55	995.88	1,933.04	1,897.21	35.83	53.948		
3,500.00	3,458.87	4,360.39	4,167.98	16.62	29.99	-113.11	1,324.46	993.84	1,900.43	1,863.65	36.78	51.676		
3,600.00	3,557.44	4,455.29	4,255.10	17.10	30.78	-113.27	1,286.89	991.63	1,868.05	1,830.34	37.72	49.528		
3,700.00	3,656.01	4,614.53	4,400.27	17.58	32.16	-113.55	1,221.63	986.88	1,834.26	1,795.56	38.70	47.397		
3,800.00	3,754.58	4,698.24	4,476.01	18.06	32.93	-113.72	1,186.13	983.77	1,798.74	1,759.10	39.63	45.383		
3,900.00	3,853.15	4,763.63	4,535.50	18.54	33.50	-113.87	1,159.11	981.15	1,764.21	1,723.65	40.56	43.497		
4,000.00	3,951.72	4,827.36	4,593.94	19.02	34.03	-114.03	1,133.86	978.38	1,731.24	1,689.77	41.48	41.741		
4,100.00	4,050.29	4,889.45	4,651.32	19.50	34.52	-114.20	1,110.24	976.10	1,700.06	1,657.68	42.39	40.109		
4,200.00	4,148.86	4,961.88	4,718.68	19.98	35.06	-114.39	1,083.68	974.07	1,670.50	1,627.21	43.30	38.583		
4,300.00	4,247.43	5,035.50	4,787.44	20.46	35.59	-114.57	1,057.42	972.59	1,642.19	1,597.98	44.21	37.149		
4,400.00	4,346.00	5,100.00	4,847.98	20.94	36.04	-114.74	1,035.19	971.48	1,615.28	1,570.18	45.10	35.814		
4,500.00	4,444.58	5,163.30	4,907.80	21.43	36.43	-114.90	1,014.52	970.79	1,590.34	1,544.36	45.98	34.589		
4,600.00	4,543.15	5,200.00	4,942.72	21.91	36.66	-115.00	1,003.24	970.68	1,568.09	1,521.31	46.79	33.517		
4,700.00	4,641.72	5,265.43	5,005.55	22.39	37.00	-115.19	985.00	970.70	1,548.46	1,500.85	47.61	32.525		
4,800.00	4,740.29	5,317.52	5,056.11	22.87	37.25	-115.36	972.48	970.72	1,532.17	1,483.81	48.36	31.681		
4,900.00	4,838.86	5,378.49	5,115.67	23.36	37.50	-115.59	959.44	970.67	1,518.55	1,469.45	49.10	30.928		
5,000.00	4,937.43	5,442.39	5,178.43	23.84	37.75	-115.85	947.40	970.46	1,507.39	1,457.57	49.81	30.261		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,508.68	5,243.80	24.32	37.99	-116.14	936.47	970.01	1,498.51	1,448.00	50.51	29.670		
5,200.00	5,134.57	5,580.74	5,315.11	24.81	38.23	-116.49	926.06	969.41	1,491.67	1,440.47	51.20	29.136		
5,300.00	5,233.14	5,660.46	5,394.17	25.29	38.48	-116.89	915.90	968.64	1,486.54	1,434.63	51.91	28.636		
5,400.00	5,331.71	5,740.26	5,473.43	25.78	38.72	-117.31	906.74	967.60	1,482.71	1,430.09	52.61	28.181		
5,500.00	5,430.28	5,816.40	5,549.18	26.26	38.95	-117.73	899.17	966.35	1,480.42	1,427.14	53.28	27.786		
5,573.86	5,503.08	5,869.70	5,602.29	26.62	39.11	-118.04	894.70	965.40	1,479.89	1,426.15	53.74	27.540 CC		
5,600.00	5,528.85	5,888.55	5,621.08	26.75	39.16	-118.15	893.29	965.05	1,479.95	1,426.06	53.90	27.459 ES		
5,700.00	5,627.42	5,971.92	5,704.25	27.23	39.39	-118.65	887.80	963.40	1,481.11	1,426.54	54.58	27.137		
5,800.00	5,725.99	6,057.23	5,789.40	27.72	39.63	-119.17	883.01	961.48	1,483.34	1,428.07	55.27	26.838		
5,900.00	5,824.56	6,140.02	5,872.09	28.20	39.86	-119.68	879.17	959.53	1,486.68	1,430.74	55.93	26.579		
6,000.00	5,923.13	6,216.78	5,948.78	28.69	40.07	-120.17	876.56	957.65	1,491.39	1,434.85	56.54	26.379		
6,100.00	6,021.70	6,282.96	6,014.93	29.17	40.25	-120.60	875.63	955.85	1,498.15	1,441.12	57.02	26.273		
6,200.00	6,120.27	6,357.02	6,088.96	29.66	40.45	-121.09	876.05	953.88	1,507.01	1,449.46	57.56	26.182		
6,238.51	6,158.23	6,386.64	6,118.57	29.84	40.53	-121.27	876.49	953.31	1,510.86	1,453.09	57.77	26.152		
6,250.00	6,169.57	6,395.49	6,127.41	29.90	40.56	-125.85	876.64	953.17	1,512.07	1,454.23	57.84	26.144		
6,300.00	6,219.12	6,446.33	6,178.24	30.13	40.70	-155.52	877.58	952.38	1,517.84	1,459.60	58.24	26.064		
6,350.00	6,268.78	6,498.98	6,230.88	30.33	40.84	166.15	878.45	951.52	1,524.21	1,465.56	58.65	25.990		
6,400.00	6,318.25	6,561.05	6,292.93	30.52	41.01	140.87	879.17	950.41	1,530.98	1,471.82	59.15	25.882		
6,450.00	6,367.22	6,613.16	6,345.03	30.69	41.16	127.76	879.42	949.35	1,538.01	1,478.45	59.57	25.820		
6,500.00	6,415.39	6,648.07	6,379.94	30.86	41.26	120.30	879.75	948.74	1,545.94	1,486.11	59.83	25.839		
6,550.00	6,462.47	6,682.08	6,413.94	31.02	41.35	115.55	880.36	948.29	1,554.93	1,494.83	60.10	25.872		
6,600.00	6,508.16	6,731.17	6,463.01	31.18	41.49	112.46	881.49	947.81	1,564.87	1,504.32	60.55	25.843		
6,650.00	6,552.18	6,779.50	6,529.32	31.34	41.68	110.57	882.32	947.02	1,575.07	1,513.87	61.21	25.733		
6,700.00	6,594.26	6,846.34	6,578.16	31.51	41.82	109.02	882.47	946.45	1,585.70	1,523.98	61.72	25.690		
6,750.00	6,634.14	6,891.89	6,623.72	31.68	41.95	107.80	882.40	946.12	1,597.12	1,534.87	62.25	25.657 SF		
6,800.00	6,671.58	6,925.38	6,657.21	31.86	42.04	106.56	882.30	945.95	1,609.52	1,546.81	62.71	25.668		
6,850.00	6,706.34	6,954.59	6,686.42	32.06	42.13	105.35	882.34	945.73	1,623.15	1,559.97	63.17	25.694		
6,900.00	6,738.21	6,981.51	6,713.33	32.27	42.20	104.13	882.49	945.47	1,638.04	1,574.37	63.67	25.728		
6,950.00	6,766.99	7,006.62	6,738.44	32.52	42.28	102.89	882.72	945.18	1,654.21	1,590.00	64.20	25.766		
7,000.00	6,792.51	7,030.92	6,762.74	32.80	42.35	101.61	883.00	944.84	1,671.63	1,606.85	64.78	25.804		
7,050.00	6,814.61	7,052.23	6,784.04	33.12	42.41	100.20	883.29	944.50	1,690.28	1,624.89	65.39	25.849		
7,100.00	6,833.15	7,070.38	6,802.19	33.48	42.46	98.64	883.56	944.17	1,710.14	1,644.12	66.02	25.903		
7,150.00	6,848.02	7,085.24	6,817.04	33.89	42.51	96.90	883.80	943.87	1,731.16	1,664.49	66.67	25.968		
7,200.00	6,859.13	7,096.69	6,828.48	34.35	42.54	94.97	883.99	943.63	1,753.25	1,685.93	67.32	26.043		
7,250.00	6,866.40	7,104.60	6,836.40	34.86	42.56	92.84	884.14	943.46	1,776.32	1,708.34	67.98	26.130		
7,300.00	6,869.79	7,108.83	6,840.62	35.40	42.57	90.52	884.21	943.36	1,800.23	1,731.60	68.63	26.231		
7,327.68	6,870.00	7,109.60	6,841.39	35.71	42.58	89.15	884.23	943.34	1,813.78	1,744.80	68.98	26.293		
7,400.00	6,868.97	7,110.15	6,841.94	36.61	42.58	89.17	884.24	943.33	1,850.50	1,780.59	69.91	26.468		
7,500.00	6,867.54	7,110.92	6,842.71	38.01	42.58	89.20	884.25	943.31	1,904.64	1,833.42	71.22	26.743		
7,600.00	6,866.12	7,111.70	6,843.49	39.58	42.58	89.23	884.27	943.30	1,962.39	1,889.87	72.52	27.062		
7,700.00	6,864.69	7,112.49	6,844.28	41.29	42.58	89.26	884.28	943.28	2,023.43	1,949.65	73.78	27.425		
7,800.00	6,863.27	7,113.29	6,845.08	43.12	42.59	89.29	884.30	943.26	2,087.48	2,012.47	75.00	27.831		
7,900.00	6,861.85	7,114.10	6,845.89	45.06	42.59	89.32	884.31	943.24	2,154.27	2,078.09	76.17	28.281		
8,000.00	6,860.42	7,114.92	6,846.71	47.10	42.59	89.35	884.33	943.22	2,223.55	2,146.26	77.28	28.771		
8,100.00	6,859.00	7,115.76	6,847.55	49.21	42.59	89.38	884.34	943.20	2,295.09	2,216.76	78.33	29.299		
8,200.00	6,857.57	7,116.61	6,848.40	51.40	42.60	89.41	884.36	943.18	2,368.70	2,289.38	79.32	29.862		
8,300.00	6,856.15	7,117.47	6,849.26	53.65	42.60	89.44	884.38	943.16	2,444.19	2,363.94	80.25	30.458		
8,400.00	6,854.72	7,118.34	6,850.13	55.96	42.60	89.47	884.39	943.14	2,521.38	2,440.26	81.11	31.085		
8,500.00	6,853.30	7,119.23	6,851.02	58.31	42.60	89.50	884.41	943.12	2,600.12	2,518.20	81.92	31.738		
8,600.00	6,851.88	7,120.13	6,851.92	60.70	42.61	89.53	884.43	943.10	2,680.28	2,597.60	82.68	32.417		
8,700.00	6,850.45	7,121.05	6,852.83	63.14	42.61	89.57	884.45	943.08	2,761.74	2,678.35	83.39	33.120		
8,800.00	6,849.03	7,121.98	6,853.76	65.60	42.61	89.60	884.46	943.06	2,844.38	2,760.33	84.05	33.843		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	7,122.92	6,854.71	68.10	42.61	89.64	884.48	943.04	2,928.10	2,843.44	84.66	34.585		
9,000.00	6,846.18	7,123.88	6,855.67	70.62	42.62	89.67	884.50	943.01	3,012.81	2,927.57	85.24	35.345		
9,100.00	6,844.75	7,124.86	6,856.64	73.17	42.62	89.71	884.52	942.99	3,098.44	3,012.66	85.78	36.121		
9,200.00	6,843.33	7,125.85	6,857.63	75.73	42.62	89.74	884.54	942.97	3,184.90	3,098.62	86.29	36.911		
9,300.00	6,841.91	7,126.85	6,858.63	78.32	42.63	89.78	884.56	942.94	3,272.14	3,185.38	86.76	37.715		
9,400.00	6,840.48	7,127.87	6,859.66	80.92	42.63	89.82	884.58	942.92	3,360.08	3,272.88	87.20	38.531		
9,500.00	6,839.06	7,128.91	6,860.69	83.54	42.63	89.85	884.60	942.89	3,448.69	3,361.06	87.62	39.359		
9,600.00	6,837.63	7,129.97	6,861.75	86.18	42.64	89.89	884.62	942.87	3,537.90	3,449.88	88.02	40.196		
9,700.00	6,836.21	7,131.04	6,862.82	88.82	42.64	89.93	884.64	942.84	3,627.67	3,539.28	88.39	41.043		
9,800.00	6,834.78	7,132.13	6,863.91	91.48	42.64	89.97	884.67	942.81	3,717.96	3,629.23	88.74	41.899		
9,900.00	6,833.36	7,133.25	6,865.02	94.15	42.64	90.01	884.69	942.79	3,808.74	3,719.67	89.07	42.763		
10,000.00	6,831.94	7,134.37	6,866.15	96.83	42.65	90.05	884.71	942.76	3,899.97	3,810.59	89.38	43.634		
10,100.00	6,830.51	7,135.52	6,867.30	99.52	42.65	90.09	884.73	942.73	3,991.62	3,901.94	89.68	44.512		
10,200.00	6,829.09	7,136.69	6,868.47	102.22	42.66	90.14	884.76	942.70	4,083.66	3,993.70	89.96	45.396		
10,300.00	6,827.66	7,137.88	6,869.66	104.92	42.66	90.18	884.78	942.67	4,176.07	4,085.84	90.22	46.286		
10,400.00	6,826.24	7,139.09	6,870.87	107.63	42.66	90.22	884.81	942.64	4,268.82	4,178.34	90.48	47.181		
10,500.00	6,824.81	7,140.33	6,872.10	110.35	42.67	90.27	884.83	942.61	4,361.89	4,271.16	90.72	48.080		
10,600.00	6,823.39	7,141.58	6,873.36	113.08	42.67	90.31	884.86	942.58	4,455.25	4,364.30	90.95	48.985		
10,700.00	6,821.96	7,142.86	6,874.63	115.81	42.67	90.36	884.89	942.55	4,548.90	4,457.73	91.17	49.893		
10,800.00	6,820.54	7,144.16	6,875.93	118.54	42.68	90.41	884.91	942.51	4,642.82	4,551.43	91.39	50.805		
10,900.00	6,819.12	7,145.49	6,877.26	121.29	42.68	90.45	884.94	942.48	4,736.98	4,645.40	91.59	51.720		
11,000.00	6,817.69	7,146.84	6,878.61	124.03	42.68	90.50	884.97	942.45	4,831.38	4,739.60	91.78	52.639		
11,100.00	6,816.27	7,148.21	6,879.98	126.78	42.69	90.55	885.00	942.41	4,926.00	4,834.03	91.97	53.561		
11,200.00	6,814.84	7,149.61	6,881.39	129.54	42.69	90.60	885.03	942.38	5,020.83	4,928.68	92.15	54.485		
11,300.00	6,813.42	7,151.04	6,882.81	132.29	42.70	90.66	885.06	942.34	5,115.85	5,023.53	92.32	55.411		
11,400.00	6,811.99	7,152.50	6,884.27	135.05	42.70	90.71	885.09	942.30	5,211.06	5,118.57	92.49	56.340		
11,500.00	6,810.57	7,153.99	6,885.75	137.82	42.71	90.76	885.12	942.26	5,306.45	5,213.79	92.66	57.271		
11,534.42	6,810.08	7,154.50	6,886.27	138.77	42.71	90.78	885.13	942.25	5,339.32	5,246.61	92.71	57.592		
11,600.00	6,809.15	7,155.52	6,887.29	140.59	42.71	90.78	885.16	942.22	5,401.78	5,308.96	92.82	58.199		
11,645.35	6,808.50	7,156.26	6,888.03	141.85	42.71	90.78	885.17	942.20	5,444.74	5,351.85	92.89	58.614		
11,700.00	6,807.72	7,157.18	6,888.95	143.37	42.71	90.81	885.19	942.18	5,496.42	5,403.44	92.98	59.112		
11,800.00	6,806.30	7,158.88	6,890.65	146.16	42.72	90.87	885.23	942.13	5,591.14	5,497.99	93.15	60.023		
11,900.00	6,804.88	7,160.62	6,892.38	148.94	42.72	90.92	885.27	942.09	5,686.04	5,592.73	93.31	60.937		
12,000.00	6,803.45	7,162.39	6,894.15	151.74	42.73	90.98	885.31	942.04	5,781.12	5,687.65	93.47	61.852		
12,100.00	6,802.03	7,164.20	6,895.97	154.53	42.74	91.04	885.35	941.99	5,876.35	5,782.73	93.62	62.769		
12,200.00	6,800.61	7,166.06	6,897.82	157.32	42.74	91.10	885.39	941.94	5,971.74	5,877.98	93.77	63.687		
12,300.00	6,799.18	7,167.95	6,899.71	160.12	42.75	91.16	885.43	941.89	6,067.28	5,973.37	93.91	64.607		
12,400.00	6,797.76	7,169.89	6,901.65	162.92	42.75	91.22	885.48	941.84	6,162.96	6,068.91	94.05	65.528		
12,500.00	6,796.34	7,171.87	6,903.63	165.72	42.76	91.29	885.52	941.78	6,258.78	6,164.59	94.19	66.450		
12,600.00	6,794.92	7,173.89	6,905.65	168.53	42.76	91.35	885.57	941.73	6,354.72	6,260.40	94.32	67.373		
12,700.00	6,793.49	7,175.97	6,907.72	171.33	42.77	91.42	885.62	941.67	6,450.78	6,356.33	94.45	68.297		
12,800.00	6,792.07	7,178.09	6,909.84	174.14	42.78	91.49	885.67	941.61	6,546.97	6,452.39	94.58	69.222		
12,900.00	6,790.65	7,180.26	6,912.01	176.95	42.78	91.56	885.72	941.55	6,643.26	6,548.56	94.71	70.147		
13,000.00	6,789.22	7,182.49	6,914.24	179.76	42.79	91.63	885.77	941.49	6,739.67	6,644.84	94.83	71.072		
13,100.00	6,787.80	7,184.77	6,916.51	182.57	42.80	91.70	885.83	941.42	6,836.17	6,741.22	94.95	71.998		
13,200.00	6,786.38	7,187.10	6,918.85	185.38	42.80	91.78	885.88	941.36	6,932.78	6,837.71	95.07	72.925		
13,300.00	6,784.95	7,189.49	6,921.24	188.20	42.81	91.85	885.94	941.29	7,029.48	6,934.29	95.18	73.851		
13,400.00	6,783.53	7,191.95	6,923.69	191.01	42.82	91.93	886.00	941.22	7,126.27	7,030.97	95.30	74.778		
13,500.00	6,782.11	7,194.47	6,926.21	193.83	42.82	92.01	886.06	941.15	7,223.14	7,127.73	95.41	75.704		
13,600.00	6,780.68	7,197.05	6,928.79	196.65	42.83	92.10	886.12	941.07	7,320.10	7,224.58	95.52	76.631		
13,700.00	6,779.26	7,199.70	6,931.44	199.47	42.84	92.18	886.19	940.99	7,417.14	7,321.51	95.63	77.557		
13,800.00	6,777.84	7,202.42	6,934.16	202.29	42.85	92.27	886.26	940.91	7,514.26	7,418.52	95.74	78.483		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
13,900.00	6,776.42	7,205.22	6,936.95	205.11	42.86	92.36	886.33	940.83	7,611.45	7,515.60	95.85	79.409			
14,000.00	6,774.99	7,208.09	6,939.82	207.93	42.86	92.45	886.40	940.74	7,708.71	7,612.76	95.96	80.335			
14,100.00	6,773.57	7,211.04	6,942.77	210.76	42.87	92.54	886.48	940.65	7,806.04	7,709.98	96.06	81.259			
14,200.00	6,772.15	7,214.07	6,945.80	213.58	42.88	92.64	886.56	940.56	7,903.44	7,807.27	96.17	82.184			
14,300.00	6,770.72	7,217.19	6,948.92	216.40	42.89	92.74	886.64	940.46	8,000.90	7,904.63	96.27	83.107			
14,400.00	6,769.30	7,220.41	6,952.13	219.23	42.90	92.85	886.72	940.37	8,098.42	8,002.05	96.37	84.031			
14,500.00	6,767.88	14,500.00	6,919.80	222.06	64.20	91.81	885.94	941.29	8,196.01	8,077.93	118.08	69.409			
14,600.00	6,766.45	7,212.77	6,944.50	224.89	42.88	92.60	886.52	940.61	8,293.65	8,197.12	96.54	85.912			
14,700.00	6,765.03	7,214.21	6,945.94	227.71	42.88	92.65	886.56	940.56	8,391.35	8,294.72	96.63	86.839			
14,800.00	6,763.61	7,215.66	6,947.38	230.54	42.89	92.69	886.60	940.52	8,489.10	8,392.37	96.73	87.764			
14,900.00	6,762.19	7,217.10	6,948.83	233.37	42.89	92.74	886.64	940.48	8,586.90	8,490.08	96.82	88.690			
15,000.00	6,760.76	7,218.55	6,950.27	236.20	42.89	92.79	886.67	940.44	8,684.75	8,587.84	96.91	89.614			
15,100.00	6,759.34	7,220.00	6,951.72	239.03	42.90	92.83	886.71	940.39	8,782.65	8,685.65	97.00	90.538			
15,200.00	6,757.92	7,221.45	6,953.17	241.86	42.90	92.88	886.75	940.35	8,880.60	8,783.50	97.10	91.462			
15,300.00	6,756.49	7,222.90	6,954.62	244.70	42.91	92.93	886.79	940.31	8,978.59	8,881.40	97.19	92.384			
15,334.64	6,756.00	7,223.40	6,955.12	245.68	42.91	92.94	886.80	940.29	9,012.54	8,915.32	97.22	92.703			
15,335.52	6,755.99	7,223.42	6,955.14	245.70	42.91	92.94	886.80	940.29	9,013.41	8,916.19	97.22	92.712			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	2,145.67	2,047.59	3.28	26.99	92.94	-265.32	5,167.22	5,583.05					
100.00	100.00	2,200.00	2,096.33	3.28	28.23	92.79	-250.73	5,148.15	5,545.61	5,524.31	21.30	260.402		
200.00	200.00	2,257.25	2,147.62	3.34	29.52	92.62	-234.58	5,128.49	5,508.81	5,486.68	22.13	248.914		
300.00	300.00	2,300.00	2,185.87	3.44	30.49	92.48	-221.68	5,114.42	5,473.02	5,450.20	22.82	239.817		
400.00	399.98	2,345.57	2,407.25	3.60	35.89	-38.85	-156.99	5,030.33	5,435.76	5,409.61	26.14	207.923		
500.00	499.84	2,650.24	2,500.96	3.79	38.38	-39.79	-129.39	4,992.76	5,394.17	5,366.42	27.75	194.356		
600.00	599.45	600.00	2,720.85	4.03	23.43	-41.53	-52.36	4,899.00	5,347.85	5,329.49	18.36	291.283		
700.00	698.70	2,931.69	2,746.97	4.30	46.09	-42.42	-42.34	4,887.60	5,299.42	5,266.37	33.05	160.341		
785.00	782.69	2,954.07	2,766.47	4.56	46.70	-43.20	-35.12	4,879.33	5,257.32	5,223.54	33.78	155.642		
800.00	797.47	2,958.01	2,769.92	4.60	46.81	-43.22	-33.87	4,877.88	5,249.83	5,215.91	33.91	154.795		
900.00	896.04	3,000.00	2,806.89	4.94	47.96	-43.45	-20.87	4,862.82	5,200.54	5,165.47	35.07	148.279		
1,000.00	994.61	3,000.00	2,806.89	5.30	47.96	-43.45	-20.87	4,862.82	5,152.21	5,116.67	35.54	144.971		
1,100.00	1,093.18	3,051.36	2,852.58	5.69	49.15	-43.72	-5.62	4,844.99	5,104.81	5,068.00	36.81	138.686		
1,200.00	1,191.75	3,100.00	2,896.20	6.08	50.28	-43.97	8.31	4,828.60	5,058.45	5,020.38	38.07	132.865		
1,300.00	1,290.32	3,234.46	3,016.59	6.49	53.34	-44.68	46.56	4,782.52	5,011.91	4,971.32	40.59	123.467		
1,400.00	1,388.89	3,290.18	3,066.64	6.91	54.62	-44.97	61.68	4,763.28	4,965.54	4,923.55	41.99	118.244		
1,500.00	1,487.46	3,300.00	3,075.50	7.34	54.84	-45.02	64.25	4,759.91	4,920.16	4,877.39	42.77	115.043		
1,600.00	1,586.03	3,350.74	3,121.59	7.77	55.83	-45.27	77.06	4,742.97	4,875.61	4,831.58	44.03	110.729		
1,700.00	1,684.61	3,400.00	3,166.86	8.22	56.80	-45.51	88.65	4,727.42	4,832.53	4,787.23	45.30	106.687		
1,800.00	1,783.18	3,445.84	3,209.17	8.66	57.62	-45.73	99.19	4,713.25	4,790.28	4,743.78	46.49	103.031		
1,900.00	1,881.75	3,539.20	3,294.97	9.11	59.30	-46.20	121.49	4,683.98	4,748.04	4,699.77	48.27	98.361		
2,000.00	1,980.32	3,600.00	3,350.74	9.57	60.41	-46.52	136.68	4,665.13	4,706.38	4,656.65	49.73	94.636		
2,100.00	2,078.89	3,659.21	3,405.25	10.02	61.43	-46.82	151.12	4,647.07	4,665.42	4,614.27	51.15	91.218		
2,200.00	2,177.46	3,700.00	3,443.03	10.49	62.14	-47.03	160.33	4,634.78	4,625.20	4,572.84	52.37	88.325		
2,300.00	2,276.03	3,753.66	3,493.04	10.95	62.94	-47.29	171.78	4,619.04	4,585.90	4,532.25	53.65	85.484		
2,400.00	2,374.60	4,256.65	3,950.64	11.41	73.35	-50.06	292.42	4,451.23	4,541.70	4,480.82	60.88	74.596		
2,500.00	2,473.17	4,300.00	3,988.41	11.88	74.57	-50.36	306.33	4,435.15	4,496.10	4,433.47	62.63	71.786		
2,600.00	2,571.74	4,300.00	3,988.41	12.35	74.57	-50.36	306.33	4,435.15	4,451.95	4,388.37	63.57	70.032		
2,700.00	2,670.31	4,355.93	4,037.50	12.82	75.96	-50.75	324.22	4,415.20	4,408.58	4,343.06	65.53	67.280		
2,800.00	2,768.88	4,400.00	4,076.71	13.29	77.06	-51.06	337.83	4,400.38	4,366.95	4,299.67	67.28	64.902		
2,900.00	2,867.45	4,400.00	4,076.71	13.76	77.06	-51.06	337.83	4,400.38	4,326.58	4,258.33	68.25	63.393		
3,000.00	2,966.02	4,455.85	4,126.99	14.24	78.19	-51.43	354.29	4,382.49	4,287.42	4,217.36	70.06	61.192		
3,100.00	3,064.59	4,500.00	4,167.15	14.71	79.08	-51.72	366.59	4,368.90	4,249.55	4,177.84	71.71	59.260		
3,200.00	3,163.16	4,618.00	4,274.60	15.19	81.33	-52.49	399.09	4,332.54	4,212.06	4,137.68	74.38	56.629		
3,300.00	3,261.73	4,698.30	4,347.66	15.66	82.88	-53.03	421.08	4,307.50	4,174.68	4,098.12	76.56	54.531		
3,400.00	3,360.30	4,843.09	4,479.27	16.14	85.78	-54.00	459.45	4,260.90	4,136.51	4,056.83	79.69	51.911		
3,500.00	3,458.87	5,072.59	4,685.75	16.62	90.88	-55.63	522.37	4,183.05	4,098.23	4,013.85	84.38	48.566		
3,600.00	3,557.44	5,205.45	4,803.24	17.10	94.30	-56.65	560.51	4,134.14	4,057.48	3,969.53	87.95	46.133		
3,700.00	3,656.01	5,325.79	4,909.07	17.58	97.57	-57.59	594.99	4,088.39	4,016.19	3,924.76	91.43	43.924		
3,800.00	3,754.58	5,398.40	4,973.25	18.06	99.52	-58.16	614.69	4,060.73	3,975.26	3,881.23	94.02	42.279		
3,900.00	3,853.15	5,492.29	5,056.59	18.54	101.97	-58.88	639.09	4,025.02	3,934.75	3,837.82	96.93	40.593		
4,000.00	3,951.72	5,658.38	5,204.27	19.02	106.30	-60.15	677.84	3,959.69	3,892.81	3,791.94	100.88	38.590		
4,100.00	4,050.29	5,700.00	5,241.71	19.50	107.36	-60.45	685.97	3,943.44	3,851.61	3,748.74	102.87	37.441		
4,200.00	4,148.86	5,754.57	5,291.23	19.98	108.54	-60.83	695.86	3,922.76	3,811.51	3,706.62	104.89	36.337		
4,300.00	4,247.43	6,000.00	5,513.32	20.46	114.29	-62.61	740.17	3,828.34	3,772.51	3,663.30	109.21	34.544		
4,400.00	4,346.00	6,034.14	5,543.81	20.94	115.09	-62.88	746.50	3,814.35	3,730.69	3,619.52	111.17	33.559		
4,500.00	4,444.58	6,065.19	5,571.92	21.43	115.82	-63.11	751.67	3,802.21	3,690.43	3,577.34	113.09	32.633		
4,600.00	4,543.15	6,100.00	5,603.82	21.91	116.64	-63.35	756.80	3,789.26	3,651.75	3,536.71	115.04	31.743		
4,700.00	4,641.72	6,100.00	5,603.82	22.39	116.64	-63.35	756.80	3,789.26	3,614.99	3,498.40	116.59	31.006		
4,800.00	4,740.29	6,151.06	5,651.32	22.87	117.43	-63.69	763.30	3,771.74	3,579.48	3,461.06	118.41	30.228		
4,900.00	4,838.86	6,200.00	5,697.61	23.36	118.19	-63.99	768.59	3,756.74	3,546.23	3,426.02	120.21	29.501		
5,000.00	4,937.43	6,200.00	5,697.61	23.84	118.19	-63.99	768.59	3,756.74	3,514.42	3,392.74	121.69	28.880		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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 #11-4D - 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					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,100.00	5,036.00	6,252.68	5,748.13	24.32	118.67	-64.28	772.67	3,742.41	3,484.36	3,361.15	123.21	28.281				
5,200.00	5,134.57	6,300.00	5,794.01	24.81	119.10	-64.51	774.45	3,731.00	3,455.82	3,331.15	124.67	27.719				
5,300.00	5,233.14	6,332.69	5,825.93	25.29	119.26	-64.65	774.90	3,723.94	3,428.87	3,302.88	125.99	27.216				
5,400.00	5,331.71	6,368.73	5,861.28	25.78	119.44	-64.79	774.99	3,716.93	3,403.66	3,276.40	127.25	26.747				
5,500.00	5,430.28	6,400.00	5,892.08	26.26	119.59	-64.91	774.74	3,711.52	3,380.21	3,251.72	128.49	26.306				
5,600.00	5,528.85	6,439.16	5,930.77	26.75	119.69	-65.05	774.29	3,705.54	3,358.56	3,228.93	129.64	25.907				
5,700.00	5,627.42	6,500.00	5,991.12	27.23	119.86	-65.26	773.88	3,697.87	3,339.08	3,208.38	130.71	25.546				
5,800.00	5,725.99	6,500.00	5,991.12	27.72	119.86	-65.26	773.88	3,697.87	3,320.95	3,189.10	131.85	25.188				
5,900.00	5,824.56	6,533.41	6,024.37	28.20	119.91	-65.37	773.88	3,694.63	3,305.13	3,172.27	132.86	24.877				
6,000.00	5,923.13	6,560.51	6,051.40	28.69	119.96	-65.46	774.07	3,692.61	3,291.50	3,157.67	133.83	24.594				
6,100.00	6,021.70	6,600.00	6,090.84	29.17	120.02	-65.59	774.65	3,690.66	3,280.14	3,145.39	134.75	24.342				
6,200.00	6,120.27	6,638.16	6,128.97	29.66	120.06	-65.71	775.33	3,689.48	3,270.63	3,135.02	135.61	24.117				
6,238.51	6,158.23	6,664.73	6,155.53	29.84	120.09	-65.80	775.72	3,688.82	3,267.30	3,131.36	135.94	24.034				
6,250.00	6,169.57	6,672.69	6,163.48	29.90	120.10	-70.20	775.82	3,688.65	3,266.43	3,130.39	136.04	24.011				
6,293.83	6,212.99	6,704.38	6,195.17	30.10	120.13	-94.72	776.18	3,688.08	3,264.97	3,128.58	136.39	23.939 CC				
6,300.00	6,219.12	6,710.29	6,201.08	30.13	120.13	-99.20	776.24	3,687.99	3,265.00	3,128.56	136.44	23.930 ES				
6,350.00	6,268.78	6,758.21	6,248.99	30.33	120.18	-137.09	776.73	3,687.25	3,267.27	3,130.48	136.79	23.885				
6,400.00	6,318.25	6,807.05	6,297.82	30.52	120.23	-162.17	777.22	3,686.53	3,273.15	3,136.05	137.10	23.874 SF				
6,450.00	6,367.22	6,862.76	6,353.52	30.69	120.28	-175.28	777.73	3,685.67	3,282.52	3,145.15	137.37	23.895				
6,500.00	6,415.39	6,917.69	6,408.44	30.86	120.34	177.19	778.16	3,684.72	3,295.29	3,157.68	137.60	23.948				
6,550.00	6,462.47	6,964.38	6,455.13	31.02	120.39	172.25	778.59	3,683.87	3,311.43	3,173.64	137.79	24.032				
6,600.00	6,508.16	7,009.65	6,500.39	31.18	120.43	168.61	779.07	3,682.98	3,330.87	3,192.92	137.95	24.146				
6,650.00	6,552.18	7,047.80	6,538.52	31.34	120.47	165.62	779.57	3,682.25	3,353.56	3,215.49	138.06	24.290				
6,700.00	6,594.26	7,084.27	6,574.98	31.51	120.51	162.96	780.14	3,681.57	3,379.38	3,241.23	138.14	24.463				
6,750.00	6,634.14	7,122.50	6,613.20	31.68	120.55	160.42	780.85	3,680.88	3,408.16	3,269.96	138.20	24.661				
6,800.00	6,671.58	7,161.37	6,652.05	31.86	120.60	157.85	781.68	3,680.11	3,439.67	3,301.44	138.23	24.884				
6,850.00	6,706.34	7,197.64	6,688.30	32.06	120.63	155.12	782.55	3,679.34	3,473.71	3,335.49	138.22	25.131				
6,900.00	6,738.21	7,236.31	6,726.95	32.27	120.68	152.13	783.50	3,678.47	3,510.07	3,371.87	138.20	25.398				
6,950.00	6,766.99	7,271.87	6,762.49	32.52	120.72	148.73	784.32	3,677.63	3,548.52	3,410.37	138.15	25.686				
7,000.00	6,792.51	7,303.70	6,794.31	32.80	120.75	144.74	784.99	3,676.84	3,588.83	3,450.77	138.07	25.993				
7,050.00	6,814.61	7,324.90	6,815.49	33.12	120.78	139.86	785.42	3,676.32	3,630.83	3,492.88	137.95	26.319				
7,100.00	6,833.15	7,343.50	6,834.09	33.48	120.80	133.94	785.80	3,675.87	3,674.27	3,536.45	137.82	26.660				
7,150.00	6,848.02	7,358.63	6,849.20	33.89	120.82	126.71	786.10	3,675.50	3,718.90	3,581.23	137.67	27.014				
7,200.00	6,859.13	7,370.19	6,860.76	34.35	120.83	117.98	786.33	3,675.23	3,764.44	3,626.95	137.50	27.378				
7,250.00	6,866.40	7,378.13	6,868.70	34.86	120.84	107.78	786.48	3,675.04	3,810.63	3,673.32	137.31	27.751				
7,300.00	6,869.79	7,382.40	6,872.97	35.40	120.84	96.50	786.57	3,674.94	3,857.19	3,720.07	137.12	28.130				
7,327.68	6,870.00	7,383.19	6,873.75	35.71	120.84	90.09	786.58	3,674.93	3,883.01	3,746.00	137.01	28.341				
7,400.00	6,868.97	7,383.76	6,874.33	36.61	120.84	90.11	786.59	3,674.91	3,950.56	3,813.84	136.72	28.894				
7,500.00	6,867.54	7,384.55	6,875.12	38.01	120.84	90.14	786.61	3,674.89	4,044.24	3,907.87	136.36	29.658				
7,600.00	6,866.12	7,385.34	6,875.91	39.58	120.85	90.18	786.63	3,674.88	4,138.21	4,002.18	136.03	30.421				
7,700.00	6,864.69	7,386.13	6,876.70	41.29	120.85	90.21	786.64	3,674.86	4,232.46	4,096.73	135.73	31.184				
7,800.00	6,863.27	7,386.91	6,877.48	43.12	120.85	90.24	786.66	3,674.84	4,326.96	4,191.52	135.45	31.946				
7,900.00	6,861.85	7,387.69	6,878.26	45.06	120.85	90.27	786.67	3,674.82	4,421.71	4,286.52	135.19	32.708				
8,000.00	6,860.42	7,388.47	6,879.03	47.10	120.85	90.30	786.69	3,674.80	4,516.68	4,381.73	134.95	33.469				
8,100.00	6,859.00	7,389.24	6,879.81	49.21	120.85	90.34	786.70	3,674.79	4,611.87	4,477.14	134.74	34.229				
8,200.00	6,857.57	7,390.01	6,880.58	51.40	120.85	90.37	786.72	3,674.77	4,707.26	4,572.72	134.53	34.989				
8,300.00	6,856.15	7,390.78	6,881.35	53.65	120.85	90.40	786.73	3,674.75	4,802.83	4,668.48	134.35	35.749				
8,400.00	6,854.72	7,391.55	6,882.11	55.96	120.85	90.43	786.75	3,674.73	4,898.58	4,764.40	134.18	36.508				
8,500.00	6,853.30	7,392.31	6,882.87	58.31	120.85	90.46	786.76	3,674.71	4,994.50	4,860.48	134.02	37.267				
8,600.00	6,851.88	7,393.07	6,883.63	60.70	120.85	90.49	786.78	3,674.70	5,090.57	4,956.70	133.87	38.026				
8,700.00	6,850.45	7,393.83	6,884.39	63.14	120.86	90.52	786.79	3,674.68	5,186.79	5,053.06	133.73	38.784				
8,800.00	6,849.03	7,394.58	6,885.14	65.60	120.86	90.56	786.81	3,674.66	5,283.15	5,149.55	133.61	39.542				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	7,395.33	6,885.89	68.10	120.86	90.59	786.82	3,674.64	5,379.65	5,246.16	133.49	40.300		
9,000.00	6,846.18	7,396.08	6,886.64	70.62	120.86	90.62	786.83	3,674.63	5,476.27	5,342.89	133.38	41.057		
9,100.00	6,844.75	7,396.82	6,887.38	73.17	120.86	90.65	786.85	3,674.61	5,573.01	5,439.73	133.28	41.814		
9,200.00	6,843.33	7,397.57	6,888.13	75.73	120.86	90.68	786.86	3,674.59	5,669.86	5,536.67	133.19	42.570		
9,300.00	6,841.91	7,398.30	6,888.86	78.32	120.86	90.71	786.88	3,674.58	5,766.82	5,633.72	133.10	43.327		
9,400.00	6,840.48	7,399.04	6,889.60	80.92	120.86	90.74	786.89	3,674.56	5,863.88	5,730.86	133.02	44.083		
9,500.00	6,839.06	7,399.77	6,890.33	83.54	120.86	90.77	786.91	3,674.54	5,961.04	5,828.10	132.95	44.838		
9,600.00	6,837.63	7,400.51	6,891.06	86.18	120.86	90.80	786.92	3,674.53	6,058.29	5,925.42	132.88	45.594		
9,700.00	6,836.21	7,401.23	6,891.79	88.82	120.86	90.83	786.93	3,674.51	6,155.63	6,022.82	132.81	46.348		
9,800.00	6,834.78	7,401.96	6,892.52	91.48	120.86	90.86	786.95	3,674.49	6,253.06	6,120.30	132.75	47.103		
9,900.00	6,833.36	7,402.68	6,893.24	94.15	120.87	90.89	786.96	3,674.48	6,350.56	6,217.86	132.70	47.857		
10,000.00	6,831.94	7,403.40	6,893.96	96.83	120.87	90.92	786.98	3,674.46	6,448.14	6,315.49	132.65	48.611		
10,100.00	6,830.51	7,404.00	6,894.66	99.52	120.87	90.94	786.99	3,674.45	6,545.79	6,413.19	132.60	49.365		
10,200.00	6,829.09	7,404.69	6,895.24	102.22	120.87	90.97	787.00	3,674.43	6,643.51	6,510.96	132.56	50.118		
10,300.00	6,827.66	7,405.37	6,895.93	104.92	120.87	91.00	787.01	3,674.42	6,741.30	6,608.78	132.52	50.870		
10,400.00	6,826.24	7,406.05	6,896.60	107.63	120.87	91.02	787.03	3,674.40	6,839.16	6,706.67	132.48	51.623		
10,500.00	6,824.81	7,406.72	6,897.28	110.35	120.87	91.05	787.04	3,674.38	6,937.07	6,804.62	132.45	52.375		
10,600.00	6,823.39	7,407.39	6,897.94	113.08	120.87	91.08	787.05	3,674.37	7,035.04	6,902.62	132.42	53.126		
10,700.00	6,821.96	7,408.05	6,898.61	115.81	120.87	91.11	787.06	3,674.35	7,133.07	7,000.68	132.40	53.877		
10,800.00	6,820.54	7,408.71	6,899.27	118.54	120.87	91.13	787.08	3,674.34	7,231.15	7,098.78	132.37	54.628		
10,900.00	6,819.12	7,409.36	6,899.92	121.29	120.87	91.16	787.09	3,674.33	7,329.29	7,196.94	132.35	55.378		
11,000.00	6,817.69	7,410.01	6,900.57	124.03	120.87	91.19	787.10	3,674.31	7,427.47	7,295.14	132.33	56.127		
11,100.00	6,816.27	7,410.66	6,901.22	126.78	120.87	91.21	787.11	3,674.30	7,525.71	7,393.39	132.32	56.877		
11,200.00	6,814.84	7,411.30	6,901.86	129.54	120.87	91.24	787.13	3,674.28	7,623.98	7,491.68	132.30	57.625		
11,300.00	6,813.42	7,411.94	6,902.49	132.29	120.88	91.27	787.14	3,674.27	7,722.31	7,590.01	132.29	58.373		
11,400.00	6,811.99	7,412.57	6,903.13	135.05	120.88	91.29	787.15	3,674.25	7,820.67	7,688.39	132.28	59.121		
11,500.00	6,810.57	7,413.20	6,903.76	137.82	120.88	91.32	787.16	3,674.24	7,919.08	7,786.80	132.28	59.868		
11,534.42	6,810.08	7,413.42	6,903.97	138.77	120.88	91.33	787.16	3,674.23	7,952.96	7,820.68	132.27	60.125		
11,600.00	6,809.15	7,413.84	6,904.39	140.59	120.88	91.21	787.17	3,674.22	8,017.38	7,885.11	132.27	60.614		
11,645.35	6,808.50	7,414.14	6,904.70	141.85	120.88	91.15	787.18	3,674.22	8,061.78	7,929.52	132.26	60.952		
11,700.00	6,807.72	7,414.51	6,905.07	143.37	120.88	91.16	787.18	3,674.21	8,115.20	7,982.94	132.26	61.358		
11,800.00	6,806.30	7,415.19	6,905.74	146.16	120.88	91.18	787.20	3,674.19	8,213.00	8,080.75	132.25	62.101		
11,900.00	6,804.88	7,415.86	6,906.41	148.94	120.88	91.20	787.21	3,674.18	8,310.85	8,178.60	132.25	62.844		
12,000.00	6,803.45	7,416.53	6,907.08	151.74	120.88	91.23	787.22	3,674.16	8,408.75	8,276.51	132.24	63.586		
12,100.00	6,802.03	7,417.19	6,907.74	154.53	120.88	91.25	787.23	3,674.15	8,506.70	8,374.46	132.24	64.327		
12,200.00	6,800.61	7,417.85	6,908.40	157.32	120.88	91.27	787.25	3,674.14	8,604.69	8,472.45	132.24	65.068		
12,300.00	6,799.18	7,418.50	6,909.05	160.12	120.88	91.29	787.26	3,674.12	8,702.74	8,570.49	132.24	65.808		
12,400.00	6,797.76	7,419.15	6,909.70	162.92	120.88	91.31	787.27	3,674.11	8,800.82	8,668.57	132.25	66.548		
12,500.00	6,796.34	7,419.79	6,910.35	165.72	120.88	91.34	787.28	3,674.09	8,898.95	8,766.70	132.25	67.287		
12,600.00	6,794.92	7,420.43	6,910.99	168.53	120.89	91.36	787.29	3,674.08	8,997.12	8,864.86	132.26	68.026		
12,700.00	6,793.49	7,421.07	6,911.62	171.33	120.89	91.38	787.30	3,674.06	9,095.33	8,963.06	132.27	68.764		
12,800.00	6,792.07	7,421.70	6,912.25	174.14	120.89	91.40	787.31	3,674.05	9,193.58	9,061.30	132.28	69.501		
12,900.00	6,790.65	7,422.33	6,912.88	176.95	120.89	91.42	787.33	3,674.04	9,291.86	9,159.57	132.29	70.238		
13,000.00	6,789.22	7,422.95	6,913.50	179.76	120.89	91.44	787.34	3,674.02	9,390.18	9,257.88	132.30	70.974		
13,100.00	6,787.80	7,423.57	6,914.12	182.57	120.89	91.46	787.35	3,674.01	9,488.54	9,356.22	132.32	71.710		
13,200.00	6,786.38	7,424.18	6,914.73	185.38	120.89	91.48	787.36	3,674.00	9,586.93	9,454.60	132.33	72.445		
13,300.00	6,784.95	7,424.79	6,915.34	188.20	120.89	91.50	787.37	3,673.98	9,685.36	9,553.00	132.35	73.179		
13,400.00	6,783.53	7,425.40	6,915.95	191.01	120.89	91.52	787.38	3,673.97	9,783.81	9,651.44	132.37	73.912		
13,500.00	6,782.11	7,426.00	6,916.55	193.83	120.89	91.54	787.39	3,673.96	9,882.30	9,749.91	132.39	74.645		
13,600.00	6,780.68	7,426.60	6,917.15	196.65	120.89	91.56	787.40	3,673.94	9,980.81	9,848.40	132.41	75.377		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	96.24	-612.11	5,596.03	5,629.63					
100.00	100.00	1,415.53	1,398.61	3.28	9.53	95.91	-561.81	5,424.59	5,617.88	5,607.27	10.61	529.641		
200.00	200.00	1,939.08	1,902.19	3.34	15.03	96.08	-562.26	5,282.25	5,593.61	5,580.61	13.00	430.187		
300.00	300.00	2,247.04	2,192.08	3.44	19.76	96.26	-567.99	5,178.60	5,559.87	5,545.27	14.60	380.933		
400.00	399.98	2,300.00	2,241.76	3.60	20.66	-34.26	-567.57	5,160.26	5,523.97	5,509.02	14.94	369.686		
500.00	499.84	2,343.45	2,282.66	3.79	21.33	-34.73	-566.75	5,145.59	5,486.13	5,470.85	15.28	359.052		
600.00	599.45	2,952.30	2,847.02	4.03	33.24	-35.61	-548.70	4,919.80	5,445.67	5,427.19	18.48	294.672		
700.00	698.70	700.00	2,928.05	4.30	23.76	-36.38	-546.08	4,882.44	5,394.88	5,385.45	9.43	571.953		
785.00	782.69	3,131.59	3,009.52	4.56	37.75	-37.13	-542.75	4,844.31	5,349.34	5,329.60	19.74	270.955		
800.00	797.47	3,136.52	3,013.99	4.60	37.88	-37.14	-542.56	4,842.23	5,341.16	5,321.36	19.81	269.685		
900.00	896.04	3,169.63	3,044.03	4.94	38.70	-37.18	-541.31	4,828.37	5,287.09	5,266.90	20.18	261.935		
1,000.00	994.61	3,200.00	3,071.71	5.30	39.46	-37.22	-540.24	4,815.91	5,233.83	5,213.25	20.58	254.290		
1,100.00	1,093.18	3,235.16	3,103.89	5.69	40.23	-37.27	-538.99	4,801.80	5,181.43	5,160.40	21.03	246.398		
1,200.00	1,191.75	3,267.71	3,133.82	6.08	40.93	-37.32	-537.73	4,789.08	5,129.90	5,108.41	21.49	238.729		
1,300.00	1,290.32	3,300.00	3,163.64	6.49	41.64	-37.36	-536.39	4,776.76	5,079.27	5,057.30	21.97	231.193		
1,400.00	1,388.89	3,349.02	3,209.07	6.91	42.59	-37.43	-534.87	4,758.42	5,029.42	5,006.87	22.55	223.049		
1,500.00	1,487.46	3,400.00	3,256.45	7.34	43.58	-37.49	-534.54	4,739.61	4,980.23	4,957.08	23.15	215.100		
1,600.00	1,586.03	3,400.00	3,256.45	7.77	43.58	-37.49	-534.54	4,739.61	4,932.12	4,908.58	23.54	209.489		
1,700.00	1,684.61	3,448.88	3,302.14	8.22	44.39	-37.53	-534.94	4,722.26	4,884.73	4,860.56	24.17	202.112		
1,800.00	1,783.18	3,500.00	3,350.37	8.66	45.24	-37.58	-535.57	4,705.33	4,838.91	4,814.10	24.81	195.004		
1,900.00	1,881.75	3,500.00	3,350.37	9.11	45.24	-37.58	-535.57	4,705.33	4,793.80	4,768.55	25.25	189.888		
2,000.00	1,980.32	3,500.00	3,350.37	9.57	45.24	-37.58	-535.57	4,705.33	4,750.36	4,724.67	25.69	184.936		
2,100.00	2,078.89	3,543.06	3,391.39	10.02	45.75	-37.62	-535.70	4,692.22	4,707.82	4,681.51	26.31	178.907		
2,200.00	2,177.46	3,600.00	3,446.19	10.49	46.42	-37.71	-534.34	4,676.85	4,667.38	4,640.37	27.01	172.826		
2,300.00	2,276.03	3,600.00	3,446.19	10.95	46.42	-37.71	-534.34	4,676.85	4,627.28	4,599.81	27.47	168.445		
2,400.00	2,374.60	4,200.00	4,015.19	11.41	54.98	-38.65	-518.34	4,489.87	4,585.22	4,554.92	30.30	151.325		
2,500.00	2,473.17	4,242.05	4,054.28	11.88	55.73	-38.70	-517.98	4,474.38	4,536.44	4,505.48	30.96	146.513		
2,600.00	2,571.74	4,300.00	4,108.60	12.35	56.77	-38.79	-517.43	4,454.21	4,489.10	4,457.41	31.69	141.652		
2,700.00	2,670.31	4,313.15	4,120.98	12.82	56.99	-38.80	-517.30	4,449.78	4,442.38	4,410.12	32.26	137.711		
2,800.00	2,768.88	2,800.00	4,278.18	13.29	30.15	-39.03	-516.91	4,391.21	4,395.10	4,370.31	24.79	177.302		
2,900.00	2,867.45	4,730.74	4,509.84	13.76	64.80	-39.35	-518.05	4,297.75	4,345.53	4,310.72	34.81	124.842		
3,000.00	2,966.02	4,823.98	4,595.60	14.24	66.81	-39.49	-517.89	4,261.14	4,294.39	4,258.72	35.68	120.372		
3,100.00	3,064.59	4,877.31	4,644.75	14.71	67.94	-39.57	-517.51	4,240.45	4,243.70	4,207.29	36.42	116.535		
3,200.00	3,163.16	4,953.97	4,715.59	15.19	69.54	-39.69	-516.67	4,211.17	4,193.55	4,156.32	37.23	112.628		
3,300.00	3,261.73	5,073.08	4,825.53	15.66	72.04	-39.89	-515.53	4,165.33	4,143.21	4,105.02	38.18	108.505		
3,400.00	3,360.30	5,231.60	4,970.80	16.14	75.61	-40.15	-515.12	4,101.93	4,091.32	4,052.07	39.25	104.243		
3,500.00	3,458.87	5,300.00	5,033.36	16.62	77.21	-40.26	-515.05	4,074.25	4,039.18	3,999.13	40.05	100.849		
3,600.00	3,557.44	5,300.00	5,033.36	17.10	77.21	-40.26	-515.05	4,074.25	3,988.14	3,947.47	40.67	98.060		
3,700.00	3,656.01	5,345.09	5,074.90	17.58	78.09	-40.33	-515.22	4,056.74	3,938.01	3,896.59	41.41	95.087		
3,800.00	3,754.58	5,400.00	5,126.23	18.06	79.16	-40.41	-515.68	4,037.23	3,890.03	3,847.84	42.19	92.201		
3,900.00	3,853.15	5,400.00	5,126.23	18.54	79.16	-40.41	-515.68	4,037.23	3,842.57	3,799.75	42.82	89.738		
4,000.00	3,951.72	5,400.00	5,126.23	19.02	79.16	-40.41	-515.68	4,037.23	3,797.15	3,753.70	43.44	87.402		
4,100.00	4,050.29	5,458.40	5,181.43	19.50	80.00	-40.51	-516.29	4,018.18	3,752.71	3,708.48	44.23	84.841		
4,200.00	4,148.86	5,500.00	5,221.01	19.98	80.60	-40.57	-516.70	4,005.39	3,709.75	3,664.77	44.98	82.484		
4,300.00	4,247.43	5,546.64	5,265.56	20.46	81.16	-40.65	-517.14	3,991.60	3,667.93	3,622.20	45.73	80.207		
4,400.00	4,346.00	5,603.69	5,320.21	20.94	81.85	-40.74	-517.67	3,975.25	3,627.03	3,580.51	46.52	77.971		
4,500.00	4,444.58	5,722.09	5,433.61	21.43	83.24	-40.93	-519.83	3,941.27	3,586.16	3,538.69	47.47	75.539		
4,600.00	4,543.15	5,813.40	5,520.95	21.91	84.33	-41.07	-521.59	3,914.67	3,544.90	3,496.54	48.36	73.305		
4,700.00	4,641.72	5,870.94	5,576.08	22.39	85.00	-41.17	-522.56	3,898.22	3,504.18	3,455.02	49.16	71.286		
4,800.00	4,740.29	5,922.55	5,625.67	22.87	85.56	-41.25	-523.41	3,883.95	3,464.39	3,414.45	49.94	69.371		
4,900.00	4,838.86	5,968.19	5,669.68	23.36	86.02	-41.33	-524.06	3,871.91	3,425.80	3,375.10	50.71	67.560		
5,000.00	4,937.43	6,000.00	5,700.46	23.84	86.34	-41.39	-524.45	3,863.87	3,388.54	3,337.10	51.44	65.879		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,100.00	5,036.00	6,049.16	5,748.21	24.32	86.72	-41.48	-524.94	3,852.18	3,352.66	3,300.45	52.20	64.221				
5,200.00	5,134.57	6,100.00	5,797.83	24.81	87.11	-41.58	-525.29	3,841.16	3,318.45	3,265.47	52.98	62.637				
5,300.00	5,233.14	6,100.00	5,797.83	25.29	87.11	-41.58	-525.29	3,841.16	3,285.96	3,232.37	53.59	61.319				
5,400.00	5,331.71	6,147.54	5,844.51	25.78	87.35	-41.67	-525.55	3,832.16	3,255.07	3,200.74	54.33	59.914				
5,500.00	5,430.28	6,200.00	5,896.34	26.26	87.62	-41.78	-525.85	3,824.05	3,226.61	3,171.52	55.08	58.575				
5,600.00	5,528.85	6,200.00	5,896.34	26.75	87.62	-41.78	-525.85	3,824.05	3,199.60	3,143.96	55.64	57.506				
5,700.00	5,627.42	6,245.25	5,941.23	27.23	87.75	-41.87	-526.05	3,818.37	3,174.69	3,118.35	56.34	56.351				
5,800.00	5,725.99	6,300.00	5,995.69	27.72	87.90	-41.99	-526.16	3,812.82	3,151.73	3,094.66	57.07	55.227				
5,900.00	5,824.56	6,329.05	6,024.64	28.20	87.96	-42.05	-526.17	3,810.38	3,130.32	3,072.65	57.68	54.273				
6,000.00	5,923.13	6,380.75	6,076.20	28.69	88.06	-42.16	-526.16	3,806.63	3,110.53	3,052.16	58.37	53.288				
6,100.00	6,021.70	6,434.72	6,130.08	29.17	88.15	-42.28	-526.09	3,803.49	3,092.18	3,033.12	59.07	52.352				
6,200.00	6,120.27	6,500.00	6,195.30	29.66	88.26	-42.42	-525.87	3,800.67	3,075.26	3,015.46	59.81	51.421				
6,238.51	6,158.23	6,516.44	6,211.73	29.84	88.28	-42.46	-525.78	3,800.11	3,069.06	3,009.01	60.05	51.111				
6,250.00	6,169.57	6,525.57	6,220.86	29.90	88.29	-46.89	-525.72	3,799.80	3,067.34	3,007.21	60.14	51.004				
6,300.00	6,219.12	6,565.54	6,260.81	30.13	88.35	-75.94	-525.39	3,798.53	3,062.37	3,001.84	60.53	50.590				
6,335.89	6,254.77	6,594.35	6,289.60	30.27	88.39	-103.74	-525.07	3,797.69	3,061.32	3,000.51	60.81	50.346 CC, ES				
6,350.00	6,268.78	6,600.00	6,295.25	30.33	88.40	-113.73	-524.99	3,797.53	3,061.48	3,000.60	60.88	50.284				
6,400.00	6,318.25	6,638.47	6,333.70	30.52	88.45	-138.61	-524.50	3,796.58	3,064.74	3,003.51	61.23	50.051				
6,450.00	6,367.22	6,671.83	6,367.06	30.69	88.50	-151.41	-524.05	3,795.93	3,072.17	3,010.64	61.54	49.925				
6,500.00	6,415.39	6,705.39	6,400.61	30.86	88.54	-158.51	-523.60	3,795.46	3,083.72	3,021.89	61.82	49.880 SF				
6,550.00	6,462.47	6,742.62	6,437.83	31.02	88.59	-162.92	-523.13	3,795.07	3,099.23	3,037.12	62.11	49.898				
6,600.00	6,508.16	6,778.70	6,473.91	31.18	88.64	-165.89	-522.71	3,794.81	3,118.59	3,056.21	62.38	49.993				
6,650.00	6,552.18	6,816.83	6,512.04	31.34	88.69	-168.03	-522.33	3,794.66	3,141.63	3,078.98	62.65	50.149				
6,700.00	6,594.26	6,858.52	6,553.72	31.51	88.75	-169.66	-522.08	3,794.52	3,168.12	3,105.20	62.92	50.354				
6,750.00	6,634.14	6,898.07	6,593.28	31.68	88.80	-170.94	-522.03	3,794.40	3,197.86	3,134.70	63.16	50.629				
6,800.00	6,671.58	6,953.88	6,649.09	31.86	88.88	-172.04	-522.10	3,794.09	3,230.57	3,167.09	63.49	50.887				
6,850.00	6,706.34	7,007.28	6,702.48	32.06	88.95	-172.98	-522.16	3,793.49	3,265.94	3,202.16	63.78	51.204				
6,900.00	6,738.21	7,037.00	6,732.20	32.27	88.99	-173.77	-522.19	3,793.09	3,303.92	3,239.97	63.95	51.663				
6,950.00	6,766.99	7,066.20	6,761.40	32.52	89.03	-174.51	-522.21	3,792.71	3,344.33	3,280.22	64.11	52.168				
7,000.00	6,792.51	7,092.17	6,787.37	32.80	89.07	-175.24	-522.21	3,792.36	3,386.92	3,322.68	64.24	52.723				
7,050.00	6,814.61	7,112.36	6,807.55	33.12	89.10	-176.02	-522.22	3,792.10	3,431.44	3,367.10	64.34	53.335				
7,100.00	6,833.15	7,128.25	6,823.44	33.48	89.12	-176.95	-522.24	3,791.91	3,477.62	3,413.21	64.41	53.994				
7,150.00	6,848.02	7,141.05	6,836.23	33.89	89.14	-178.21	-522.26	3,791.77	3,525.17	3,460.71	64.46	54.688				
7,200.00	6,859.13	7,150.67	6,845.86	34.35	89.15	-179.72	-522.29	3,791.67	3,573.79	3,509.30	64.49	55.413				
7,250.00	6,866.40	7,157.10	6,852.28	34.86	89.16	-175.10	-522.31	3,791.60	3,623.17	3,558.65	64.51	56.161				
7,300.00	6,869.79	7,160.30	6,855.48	35.40	89.16	-154.14	-522.32	3,791.57	3,673.00	3,608.48	64.52	56.928				
7,327.68	6,870.00	7,160.68	6,855.87	35.71	89.16	-79.06	-522.32	3,791.57	3,700.67	3,636.15	64.52	57.358				
7,400.00	6,868.97	7,160.41	6,855.60	36.61	89.16	-78.89	-522.32	3,791.57	3,772.97	3,708.46	64.51	58.485				
7,500.00	6,867.54	7,160.04	6,855.22	38.01	89.16	-78.65	-522.31	3,791.57	3,872.94	3,808.44	64.50	60.044				
7,600.00	6,866.12	7,159.66	6,854.85	39.58	89.16	-78.41	-522.31	3,791.58	3,972.91	3,908.42	64.49	61.601				
7,700.00	6,864.69	7,159.30	6,854.48	41.29	89.16	-78.18	-522.31	3,791.58	4,072.89	4,008.40	64.49	63.157				
7,800.00	6,863.27	7,158.93	6,854.12	43.12	89.16	-77.95	-522.31	3,791.58	4,172.87	4,108.38	64.48	64.712				
7,900.00	6,861.85	7,158.57	6,853.76	45.06	89.16	-77.73	-522.31	3,791.59	4,272.84	4,208.36	64.48	66.265				
8,000.00	6,860.42	7,158.21	6,853.40	47.10	89.16	-77.50	-522.31	3,791.59	4,372.82	4,308.34	64.48	67.816				
8,100.00	6,859.00	7,157.86	6,853.05	49.21	89.16	-77.28	-522.31	3,791.59	4,472.80	4,408.32	64.48	69.366				
8,200.00	6,857.57	7,157.51	6,852.70	51.40	89.16	-77.06	-522.31	3,791.60	4,572.78	4,508.30	64.48	70.913				
8,300.00	6,856.15	7,157.16	6,852.35	53.65	89.16	-76.84	-522.31	3,791.60	4,672.76	4,608.28	64.49	72.459				
8,400.00	6,854.72	7,156.82	6,852.00	55.96	89.16	-76.63	-522.30	3,791.60	4,772.75	4,708.25	64.49	74.003				
8,500.00	6,853.30	7,156.47	6,851.66	58.31	89.16	-76.42	-522.30	3,791.61	4,872.73	4,808.23	64.50	75.545				
8,600.00	6,851.88	7,156.14	6,851.32	60.70	89.16	-76.21	-522.30	3,791.61	4,972.71	4,908.20	64.51	77.085				
8,700.00	6,850.45	7,155.80	6,850.99	63.14	89.16	-76.00	-522.30	3,791.61	5,072.70	5,008.18	64.52	78.623				
8,800.00	6,849.03	7,155.47	6,850.66	65.60	89.16	-75.79	-522.30	3,791.62	5,172.68	5,108.15	64.53	80.159				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	7,155.14	6,850.33	68.10	89.16	75.59	-522.30	3,791.62	5,272.67	5,208.12	64.54	81.692		
9,000.00	6,846.18	7,154.81	6,850.00	70.62	89.16	75.39	-522.30	3,791.62	5,372.65	5,308.10	64.56	83.223		
9,100.00	6,844.75	7,154.49	6,849.68	73.17	89.16	75.19	-522.30	3,791.63	5,472.64	5,408.07	64.57	84.752		
9,200.00	6,843.33	7,154.17	6,849.36	75.73	89.15	74.99	-522.30	3,791.63	5,572.63	5,508.04	64.59	86.278		
9,300.00	6,841.91	7,153.85	6,849.04	78.32	89.15	74.80	-522.30	3,791.63	5,672.61	5,608.00	64.61	87.801		
9,400.00	6,840.48	7,153.54	6,848.73	80.92	89.15	74.61	-522.29	3,791.64	5,772.60	5,707.97	64.63	89.322		
9,500.00	6,839.06	7,153.23	6,848.42	83.54	89.15	74.42	-522.29	3,791.64	5,872.59	5,807.94	64.65	90.840		
9,600.00	6,837.63	7,152.92	6,848.11	86.18	89.15	74.23	-522.29	3,791.64	5,972.58	5,907.91	64.67	92.356		
9,700.00	6,836.21	7,152.61	6,847.80	88.82	89.15	74.04	-522.29	3,791.65	6,072.56	6,007.87	64.69	93.868		
9,800.00	6,834.78	7,152.31	6,847.50	91.48	89.15	73.86	-522.29	3,791.65	6,172.55	6,107.84	64.72	95.378		
9,900.00	6,833.36	7,152.01	6,847.20	94.15	89.15	73.68	-522.29	3,791.65	6,272.54	6,207.80	64.74	96.885		
10,000.00	6,831.94	7,151.71	6,846.90	96.83	89.15	73.50	-522.29	3,791.66	6,372.53	6,307.76	64.77	98.389		
10,100.00	6,830.51	7,151.42	6,846.60	99.52	89.15	73.32	-522.29	3,791.66	6,472.52	6,407.73	64.80	99.889		
10,200.00	6,829.09	7,151.12	6,846.31	102.22	89.15	73.14	-522.29	3,791.66	6,572.51	6,507.69	64.83	101.387		
10,300.00	6,827.66	7,150.83	6,846.02	104.92	89.15	72.96	-522.29	3,791.66	6,672.50	6,607.65	64.86	102.881		
10,400.00	6,826.24	7,150.54	6,845.73	107.63	89.15	72.79	-522.29	3,791.67	6,772.49	6,707.61	64.89	104.372		
10,500.00	6,824.81	7,150.26	6,845.45	110.35	89.15	72.62	-522.29	3,791.67	6,872.49	6,807.57	64.92	105.860		
10,600.00	6,823.39	7,149.98	6,845.16	113.08	89.15	72.45	-522.28	3,791.67	6,972.48	6,907.52	64.95	107.344		
10,700.00	6,821.96	7,149.69	6,844.88	115.81	89.15	72.28	-522.28	3,791.68	7,072.47	7,007.48	64.99	108.825		
10,800.00	6,820.54	7,149.42	6,844.60	118.54	89.15	72.12	-522.28	3,791.68	7,172.46	7,107.43	65.03	110.302		
10,900.00	6,819.12	7,149.14	6,844.33	121.29	89.15	71.95	-522.28	3,791.68	7,272.45	7,207.39	65.06	111.776		
11,000.00	6,817.69	7,148.87	6,844.05	124.03	89.15	71.79	-522.28	3,791.68	7,372.44	7,307.34	65.10	113.246		
11,100.00	6,816.27	7,148.59	6,843.78	126.78	89.15	71.63	-522.28	3,791.69	7,472.44	7,407.30	65.14	114.712		
11,200.00	6,814.84	7,148.32	6,843.51	129.54	89.15	71.47	-522.28	3,791.69	7,572.43	7,507.25	65.18	116.175		
11,300.00	6,813.42	7,148.06	6,843.25	132.29	89.15	71.31	-522.28	3,791.69	7,672.42	7,607.20	65.22	117.634		
11,400.00	6,811.99	7,147.79	6,842.98	135.05	89.15	71.16	-522.28	3,791.70	7,772.42	7,707.15	65.27	119.089		
11,500.00	6,810.57	7,147.53	6,842.72	137.82	89.15	71.00	-522.28	3,791.70	7,872.41	7,807.10	65.31	120.540		
11,534.42	6,810.08	7,147.44	6,842.63	138.77	89.15	70.95	-522.28	3,791.70	7,906.83	7,841.50	65.32	121.039		
11,600.00	6,809.15	7,147.27	6,842.46	140.59	89.14	83.60	-522.28	3,791.70	7,972.39	7,907.03	65.35	121.990		
11,645.35	6,808.50	7,147.15	6,842.34	141.85	89.14	85.64	-522.28	3,791.70	8,017.70	7,952.33	65.37	122.650		
11,700.00	6,807.72	7,147.00	6,842.19	143.37	89.14	85.62	-522.28	3,791.70	8,072.28	8,006.89	65.39	123.445		
11,800.00	6,806.30	7,146.74	6,841.93	146.16	89.14	85.58	-522.28	3,791.71	8,172.16	8,106.73	65.43	124.895		
11,900.00	6,804.88	7,146.48	6,841.67	148.94	89.14	85.55	-522.28	3,791.71	8,272.05	8,206.57	65.47	126.342		
12,000.00	6,803.45	7,146.23	6,841.41	151.74	89.14	85.51	-522.27	3,791.71	8,371.93	8,306.42	65.52	127.784		
12,100.00	6,802.03	7,145.97	6,841.16	154.53	89.14	85.47	-522.27	3,791.71	8,471.82	8,406.26	65.56	129.222		
12,200.00	6,800.61	7,145.72	6,840.90	157.32	89.14	85.44	-522.27	3,791.72	8,571.71	8,506.11	65.61	130.655		
12,300.00	6,799.18	7,145.46	6,840.65	160.12	89.14	85.40	-522.27	3,791.72	8,671.61	8,605.95	65.65	132.084		
12,400.00	6,797.76	7,145.22	6,840.40	162.92	89.14	85.36	-522.27	3,791.72	8,771.50	8,705.80	65.70	133.508		
12,500.00	6,796.34	7,144.97	6,840.16	165.72	89.14	85.33	-522.27	3,791.72	8,871.40	8,805.65	65.75	134.927		
12,600.00	6,794.92	7,144.72	6,839.91	168.53	89.14	85.29	-522.27	3,791.73	8,971.30	8,905.50	65.80	136.343		
12,700.00	6,793.49	7,144.48	6,839.67	171.33	89.14	85.26	-522.27	3,791.73	9,071.21	9,005.36	65.85	137.753		
12,800.00	6,792.07	7,144.24	6,839.43	174.14	89.14	85.22	-522.27	3,791.73	9,171.11	9,105.21	65.90	139.159		
12,900.00	6,790.65	7,144.00	6,839.19	176.95	89.14	85.19	-522.27	3,791.73	9,271.02	9,205.06	65.96	140.560		
13,000.00	6,789.22	7,143.76	6,838.95	179.76	89.14	85.15	-522.27	3,791.74	9,370.93	9,304.92	66.01	141.957		
13,100.00	6,787.80	7,143.53	6,838.71	182.57	89.14	85.12	-522.27	3,791.74	9,470.84	9,404.77	66.07	143.349		
13,200.00	6,786.38	7,143.29	6,838.48	185.38	89.14	85.09	-522.27	3,791.74	9,570.75	9,504.63	66.13	144.736		
13,300.00	6,784.95	7,143.06	6,838.25	188.20	89.14	85.05	-522.27	3,791.74	9,670.67	9,604.49	66.18	146.118		
13,400.00	6,783.53	7,142.83	6,838.02	191.01	89.14	85.02	-522.27	3,791.75	9,770.59	9,704.34	66.24	147.496		
13,500.00	6,782.11	7,142.60	6,837.79	193.83	89.14	84.99	-522.27	3,791.75	9,870.50	9,804.20	66.30	148.868		
13,600.00	6,780.68	7,142.37	6,837.56	196.65	89.14	84.95	-522.27	3,791.75	9,970.42	9,904.06	66.36	150.236		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	95.91	-580.78	5,608.00	5,638.21					
100.00	100.00	39.78	39.78	3.28	3.28	95.91	-580.67	5,608.04	5,638.04	5,631.47	6.57	858.681		
200.00	200.00	478.11	477.15	3.34	3.96	95.69	-558.22	5,600.11	5,637.36	5,630.08	7.28	774.060		
300.00	300.00	703.32	699.81	3.44	4.95	95.39	-527.37	5,586.82	5,629.65	5,621.34	8.31	677.574		
400.00	399.98	1,255.09	1,233.80	3.60	8.94	-36.15	-402.77	5,533.72	5,616.92	5,604.79	12.13	463.067		
500.00	499.84	1,379.03	1,350.41	3.79	10.17	-36.83	-364.02	5,517.52	5,596.82	5,583.39	13.43	416.600		
600.00	599.45	1,487.44	1,452.51	4.03	11.23	-37.51	-330.68	5,502.83	5,573.82	5,559.20	14.62	381.294		
700.00	698.70	1,563.24	1,524.06	4.30	11.93	-38.13	-307.90	5,492.46	5,548.30	5,532.78	15.52	357.464		
785.00	782.69	1,628.18	1,585.54	4.56	12.52	-38.69	-288.90	5,483.72	5,524.93	5,508.62	16.31	338.809		
800.00	797.47	1,640.79	1,597.49	4.60	12.63	-38.75	-285.26	5,482.02	5,520.66	5,504.20	16.46	335.448		
900.00	896.04	1,716.91	1,669.73	4.94	13.29	-39.06	-263.55	5,471.82	5,492.44	5,475.06	17.38	316.102		
1,000.00	994.61	1,774.12	1,724.17	5.30	13.76	-39.29	-247.61	5,464.39	5,464.86	5,446.70	18.15	301.022		
1,100.00	1,093.18	1,833.07	1,780.41	5.69	14.23	-39.53	-231.52	5,457.04	5,438.03	5,419.07	18.96	286.864		
1,200.00	1,191.75	1,900.00	1,844.38	6.08	14.74	-39.80	-213.55	5,449.05	5,411.92	5,392.10	19.83	272.978		
1,300.00	1,290.32	2,000.18	1,940.32	6.49	15.48	-40.20	-187.28	5,437.18	5,386.19	5,365.27	20.92	257.474		
1,400.00	1,388.89	2,104.97	2,040.75	6.91	16.25	-40.62	-160.21	5,424.41	5,360.39	5,338.34	22.05	243.102		
1,500.00	1,487.46	2,217.48	2,148.42	7.34	17.10	-41.08	-130.84	5,410.14	5,334.32	5,311.06	23.26	229.381		
1,600.00	1,586.03	2,267.94	2,196.74	7.77	17.47	-41.28	-117.73	5,403.89	5,308.80	5,284.76	24.05	220.771		
1,700.00	1,684.61	2,325.60	2,252.06	8.22	17.88	-41.52	-102.91	5,397.18	5,284.17	5,259.28	24.89	212.293		
1,800.00	1,783.18	2,395.12	2,318.75	8.66	18.37	-41.80	-84.90	5,389.39	5,260.20	5,234.39	25.81	203.771		
1,900.00	1,881.75	2,537.49	2,454.91	9.11	19.42	-42.41	-46.64	5,373.04	5,236.20	5,208.94	27.26	192.078		
2,000.00	1,980.32	2,658.56	2,570.28	9.57	20.36	-42.94	-13.13	5,358.16	5,211.72	5,183.10	28.62	182.122		
2,100.00	2,078.89	2,100.00	2,689.85	10.02	15.46	-43.53	24.68	5,341.63	5,186.76	5,162.33	24.43	212.276		
2,200.00	2,177.46	2,862.65	2,762.98	10.49	22.13	-43.90	48.47	5,331.22	5,161.89	5,130.65	31.24	165.259		
2,300.00	2,276.03	2,937.62	2,833.88	10.95	22.77	-44.26	70.88	5,321.63	5,137.85	5,105.51	32.33	158.898		
2,400.00	2,374.60	3,051.63	2,942.03	11.41	23.72	-44.79	103.70	5,306.73	5,113.86	5,080.15	33.72	151.663		
2,500.00	2,473.17	3,126.67	3,012.95	11.88	24.34	-45.16	126.08	5,296.72	5,089.99	5,055.18	34.81	146.220		
2,600.00	2,571.74	3,176.53	3,060.36	12.35	24.73	-45.39	140.18	5,290.42	5,067.02	5,031.31	35.70	141.918		
2,700.00	2,670.31	3,242.74	3,123.73	12.82	25.22	-45.69	157.67	5,282.59	5,044.95	5,008.27	36.68	137.531		
2,800.00	2,768.88	3,342.31	3,219.17	13.29	25.93	-46.13	183.61	5,270.99	5,023.36	4,985.50	37.86	132.682		
2,900.00	2,867.45	3,434.11	3,307.15	13.76	26.57	-46.55	207.35	5,259.89	5,001.62	4,962.63	38.98	128.310		
3,000.00	2,966.02	3,500.00	3,370.58	14.24	27.02	-46.83	223.50	5,252.39	4,980.66	4,940.74	39.93	124.746		
3,100.00	3,064.59	3,622.12	3,488.52	14.71	27.79	-47.35	251.85	5,238.23	4,959.71	4,918.55	41.16	120.492		
3,200.00	3,163.16	3,676.40	3,541.00	15.19	28.13	-47.59	264.26	5,232.03	4,939.16	4,897.15	42.01	117.561		
3,300.00	3,261.73	3,769.11	3,630.56	15.66	28.72	-47.99	285.95	5,221.88	4,919.35	4,876.25	43.09	114.157		
3,400.00	3,360.30	3,966.95	3,819.15	16.14	30.25	-48.94	339.89	5,196.51	4,898.23	4,853.20	45.03	108.772		
3,500.00	3,458.87	4,048.89	3,896.10	16.62	31.00	-49.38	365.59	5,184.95	4,876.93	4,830.65	46.28	105.371		
3,600.00	3,557.44	4,119.64	3,962.37	17.10	31.65	-49.77	388.31	5,175.07	4,856.24	4,808.78	47.45	102.334		
3,700.00	3,656.01	4,181.93	4,021.00	17.58	32.20	-50.11	407.62	5,166.75	4,836.36	4,787.82	48.53	99.647		
3,800.00	3,754.58	4,236.01	4,072.21	18.06	32.64	-50.39	423.60	5,159.94	4,817.38	4,767.86	49.51	97.299		
3,900.00	3,853.15	4,300.00	4,133.07	18.54	33.14	-50.72	441.93	5,152.54	4,799.49	4,748.95	50.54	94.965		
4,000.00	3,951.72	4,373.63	4,203.06	19.02	33.70	-51.10	463.27	5,144.30	4,782.36	4,730.73	51.63	92.622		
4,100.00	4,050.29	4,519.98	4,341.51	19.50	34.89	-51.89	507.31	5,126.70	4,765.10	4,711.79	53.31	89.391		
4,200.00	4,148.86	4,616.43	4,432.59	19.98	35.70	-52.41	536.53	5,114.31	4,747.51	4,692.87	54.64	86.887		
4,300.00	4,247.43	4,685.52	4,497.43	20.46	36.32	-52.80	558.64	5,105.33	4,730.50	4,674.70	55.80	84.783		
4,400.00	4,346.00	4,859.64	4,660.79	20.94	37.91	-53.80	613.87	5,081.33	4,713.09	4,655.24	57.85	81.476		
4,500.00	4,444.58	4,934.47	4,731.39	21.43	38.57	-54.21	636.25	5,070.67	4,695.53	4,636.49	59.03	79.540		
4,600.00	4,543.15	5,000.00	4,793.39	21.91	39.12	-54.58	655.54	5,061.84	4,678.92	4,618.79	60.13	77.810		
4,700.00	4,641.72	5,052.20	4,842.86	22.39	39.54	-54.86	670.79	5,055.18	4,663.26	4,602.16	61.10	76.321		
4,800.00	4,740.29	5,120.62	4,907.80	22.87	40.08	-55.24	690.66	5,046.84	4,648.52	4,586.34	62.17	74.767		
4,900.00	4,838.86	5,200.00	4,983.64	23.36	40.66	-55.65	712.20	5,037.64	4,634.31	4,571.03	63.28	73.230		
5,000.00	4,937.43	5,266.28	5,047.62	23.84	41.05	-55.98	728.06	5,030.75	4,620.82	4,556.61	64.21	71.969		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,330.45	5,110.23	24.32	41.38	-56.26	741.00	5,025.22	4,608.27	4,543.20	65.06	70.827		
5,200.00	5,134.57	5,401.98	5,180.62	24.81	41.68	-56.54	752.66	5,020.19	4,596.45	4,530.56	65.89	69.759		
5,300.00	5,233.14	5,484.04	5,261.88	25.29	41.96	-56.82	763.01	5,015.61	4,585.20	4,518.52	66.68	68.766		
5,400.00	5,331.71	5,569.87	5,347.21	25.78	42.22	-57.09	771.49	5,011.73	4,574.34	4,506.90	67.45	67.823		
5,500.00	5,430.28	5,653.13	5,430.12	26.26	42.45	-57.33	778.46	5,008.54	4,563.84	4,495.66	68.19	66.931		
5,600.00	5,528.85	5,730.97	5,507.74	26.75	42.66	-57.54	783.78	5,006.20	4,553.79	4,484.89	68.90	66.089		
5,700.00	5,627.42	5,805.71	5,582.33	27.23	42.85	-57.74	788.10	5,004.60	4,544.33	4,474.72	69.60	65.289		
5,800.00	5,725.99	5,917.31	5,693.83	27.72	43.13	-58.00	792.56	5,002.94	4,535.05	4,464.67	70.37	64.442		
5,900.00	5,824.56	6,035.10	5,811.59	28.20	43.42	-58.24	794.62	5,001.46	4,525.37	4,454.22	71.15	63.604		
6,000.00	5,923.13	6,137.92	5,914.40	28.69	43.67	-58.45	795.62	5,000.24	4,515.60	4,443.70	71.89	62.809		
6,100.00	6,021.70	6,248.05	6,024.51	29.17	43.95	-58.67	796.63	4,998.70	4,505.66	4,433.01	72.66	62.013		
6,200.00	6,120.27	6,359.42	6,135.86	29.66	44.23	-58.89	797.61	4,996.84	4,495.52	4,422.10	73.42	61.227		
6,238.51	6,158.23	6,403.00	6,179.43	29.84	44.34	-58.98	797.95	4,996.03	4,491.55	4,417.83	73.72	60.926		
6,250.00	6,169.57	6,416.02	6,192.45	29.90	44.37	-63.39	798.05	4,995.78	4,490.46	4,416.65	73.81	60.839		
6,300.00	6,219.12	6,462.10	6,238.52	30.13	44.49	-92.37	798.53	4,994.87	4,488.03	4,413.87	74.17	60.514		
6,307.08	6,226.15	6,468.98	6,245.40	30.16	44.51	-97.72	798.62	4,994.73	4,488.00	4,413.78	74.21	60.474 CC, ES		
6,350.00	6,268.78	6,508.54	6,284.95	30.33	44.61	-130.18	799.17	4,993.90	4,489.39	4,414.89	74.50	60.259		
6,400.00	6,318.25	6,547.20	6,323.59	30.52	44.71	-155.16	799.80	4,993.14	4,494.59	4,419.79	74.80	60.088		
6,450.00	6,367.22	6,585.49	6,361.86	30.69	44.81	-168.16	800.52	4,992.45	4,503.63	4,428.55	75.08	59.985		
6,500.00	6,415.39	6,628.29	6,404.65	30.86	44.93	-175.56	801.43	4,991.73	4,516.43	4,441.07	75.35	59.936 SF		
6,550.00	6,462.47	6,673.29	6,449.64	31.02	45.05	-179.63	802.49	4,990.97	4,532.83	4,457.21	75.62	59.942		
6,600.00	6,508.16	6,716.43	6,492.75	31.18	45.16	-176.15	803.62	4,990.23	4,552.73	4,476.86	75.87	60.005		
6,650.00	6,552.18	6,757.15	6,533.45	31.34	45.27	-173.36	804.69	4,989.55	4,576.02	4,499.91	76.11	60.127		
6,700.00	6,594.26	6,796.10	6,572.38	31.51	45.38	-170.94	805.73	4,988.93	4,602.54	4,526.22	76.32	60.303		
6,750.00	6,634.14	6,835.83	6,612.10	31.68	45.48	-168.67	806.79	4,988.32	4,632.12	4,555.59	76.53	60.525		
6,800.00	6,671.58	6,873.51	6,649.76	31.86	45.59	-166.41	807.80	4,987.74	4,664.57	4,587.85	76.73	60.796		
6,850.00	6,706.34	6,910.59	6,686.82	32.06	45.69	-164.02	808.80	4,987.16	4,699.69	4,622.78	76.91	61.110		
6,900.00	6,738.21	6,950.57	6,726.78	32.27	45.80	-161.39	809.97	4,986.46	4,737.22	4,660.13	77.08	61.456		
6,950.00	6,766.99	6,987.01	6,763.19	32.52	45.90	-158.35	811.14	4,985.73	4,776.93	4,699.69	77.24	61.842		
7,000.00	6,792.51	7,019.69	6,795.84	32.80	45.99	-154.70	812.28	4,985.00	4,818.60	4,741.21	77.39	62.268		
7,050.00	6,814.61	7,047.66	6,823.78	33.12	46.07	-150.18	813.33	4,984.31	4,861.99	4,784.48	77.51	62.726		
7,100.00	6,833.15	7,071.79	6,847.88	33.48	46.14	-144.41	814.29	4,983.67	4,906.85	4,829.23	77.62	63.217		
7,150.00	6,848.02	7,091.62	6,867.69	33.89	46.19	-136.88	815.12	4,983.12	4,952.91	4,875.20	77.71	63.737		
7,200.00	6,859.13	7,106.98	6,883.03	34.35	46.24	-126.99	815.78	4,982.67	4,999.91	4,922.13	77.78	64.280		
7,250.00	6,866.40	7,117.73	6,893.77	34.86	46.27	-114.31	816.26	4,982.35	5,047.57	4,969.73	77.84	64.844		
7,300.00	6,869.79	7,117.01	6,893.05	35.40	46.27	-98.96	816.23	4,982.38	5,095.61	5,017.74	77.87	65.438		
7,327.68	6,870.00	7,117.88	6,893.92	35.71	46.27	-90.15	816.27	4,982.36	5,122.26	5,044.37	77.89	65.765		
7,400.00	6,868.97	7,118.78	6,894.81	36.61	46.27	-90.19	816.31	4,982.33	5,191.90	5,113.97	77.93	66.620		
7,500.00	6,867.54	7,120.02	6,896.05	38.01	46.28	-90.24	816.37	4,982.29	5,288.32	5,210.32	78.01	67.793		
7,600.00	6,866.12	7,121.26	6,897.29	39.58	46.28	-90.29	816.43	4,982.26	5,384.87	5,306.78	78.09	68.956		
7,700.00	6,864.69	7,122.51	6,898.54	41.29	46.28	-90.34	816.48	4,982.22	5,481.55	5,403.36	78.19	70.109		
7,800.00	6,863.27	7,123.76	6,899.78	43.12	46.29	-90.39	816.54	4,982.18	5,578.34	5,500.05	78.29	71.254		
7,900.00	6,861.85	7,125.00	6,901.03	45.06	46.29	-90.45	816.60	4,982.15	5,675.24	5,596.84	78.40	72.390		
8,000.00	6,860.42	7,126.26	6,902.28	47.10	46.29	-90.50	816.66	4,982.11	5,772.24	5,693.73	78.51	73.518		
8,100.00	6,859.00	7,127.51	6,903.53	49.21	46.30	-90.55	816.72	4,982.07	5,869.35	5,790.71	78.64	74.639		
8,200.00	6,857.57	7,128.77	6,904.78	51.40	46.30	-90.60	816.77	4,982.03	5,966.55	5,887.79	78.76	75.753		
8,300.00	6,856.15	7,130.03	6,906.04	53.65	46.30	-90.65	816.83	4,982.00	6,063.85	5,984.95	78.89	76.860		
8,400.00	6,854.72	7,131.29	6,907.30	55.96	46.31	-90.70	816.89	4,981.96	6,161.22	6,082.20	79.03	77.962		
8,500.00	6,853.30	7,132.55	6,908.56	58.31	46.31	-90.76	816.95	4,981.92	6,258.69	6,179.52	79.17	79.057		
8,600.00	6,851.88	7,133.81	6,909.83	60.70	46.32	-90.81	817.01	4,981.89	6,356.23	6,276.92	79.31	80.147		
8,700.00	6,850.45	7,135.08	6,911.09	63.14	46.32	-90.86	817.07	4,981.85	6,453.84	6,374.39	79.45	81.231		
8,800.00	6,849.03	7,136.35	6,912.36	65.60	46.32	-90.91	817.13	4,981.81	6,551.53	6,471.93	79.60	82.311		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	7,137.63	6,913.63	68.10	46.33	90.96	817.19	4,981.77	6,649.28	6,569.54	79.74	83.386		
9,000.00	6,846.18	7,138.90	6,914.90	70.62	46.33	91.02	817.25	4,981.73	6,747.10	6,667.21	79.89	84.456		
9,100.00	6,844.75	7,140.18	6,916.18	73.17	46.33	91.07	817.31	4,981.70	6,844.99	6,764.95	80.04	85.522		
9,200.00	6,843.33	7,141.46	6,917.45	75.73	46.34	91.12	817.38	4,981.66	6,942.93	6,862.74	80.19	86.584		
9,300.00	6,841.91	7,142.74	6,918.73	78.32	46.34	91.17	817.44	4,981.62	7,040.93	6,960.59	80.34	87.642		
9,400.00	6,840.48	7,144.02	6,920.02	80.92	46.35	91.23	817.50	4,981.58	7,138.99	7,058.50	80.49	88.696		
9,500.00	6,839.06	7,145.31	6,921.30	83.54	46.35	91.28	817.56	4,981.54	7,237.10	7,156.46	80.64	89.747		
9,600.00	6,837.63	7,146.60	6,922.59	86.18	46.35	91.33	817.63	4,981.51	7,335.26	7,254.47	80.79	90.794		
9,700.00	6,836.21	7,147.89	6,923.88	88.82	46.36	91.39	817.69	4,981.47	7,433.47	7,352.53	80.94	91.838		
9,800.00	6,834.78	7,149.18	6,925.17	91.48	46.36	91.44	817.75	4,981.43	7,531.72	7,450.63	81.09	92.879		
9,900.00	6,833.36	7,150.48	6,926.46	94.15	46.36	91.49	817.82	4,981.39	7,630.02	7,548.78	81.24	93.917		
10,000.00	6,831.94	7,151.78	6,927.76	96.83	46.37	91.55	817.88	4,981.35	7,728.37	7,646.97	81.39	94.952		
10,100.00	6,830.51	7,153.08	6,929.06	99.52	46.37	91.60	817.95	4,981.31	7,826.75	7,745.21	81.54	95.983		
10,200.00	6,829.09	7,154.38	6,930.36	102.22	46.38	91.65	818.01	4,981.27	7,925.18	7,843.49	81.69	97.012		
10,300.00	6,827.66	7,155.69	6,931.66	104.92	46.38	91.71	818.08	4,981.23	8,023.64	7,941.80	81.84	98.038		
10,400.00	6,826.24	7,156.99	6,932.97	107.63	46.38	91.76	818.14	4,981.20	8,122.15	8,040.16	81.99	99.062		
10,500.00	6,824.81	7,158.31	6,934.28	110.35	46.39	91.81	818.21	4,981.16	8,220.68	8,138.55	82.14	100.083		
10,600.00	6,823.39	7,159.62	6,935.59	113.08	46.39	91.87	818.27	4,981.12	8,319.26	8,236.97	82.29	101.101		
10,700.00	6,821.96	7,160.93	6,936.90	115.81	46.39	91.92	818.34	4,981.08	8,417.86	8,335.43	82.43	102.117		
10,800.00	6,820.54	7,162.25	6,938.21	118.54	46.40	91.98	818.41	4,981.04	8,516.50	8,433.92	82.58	103.130		
10,900.00	6,819.12	7,163.57	6,939.53	121.29	46.40	92.03	818.47	4,981.00	8,615.17	8,532.45	82.73	104.141		
11,000.00	6,817.69	7,164.89	6,940.85	124.03	46.41	92.08	818.54	4,980.96	8,713.87	8,631.00	82.87	105.150		
11,100.00	6,816.27	7,166.22	6,942.18	126.78	46.41	92.14	818.61	4,980.92	8,812.60	8,729.58	83.02	106.156		
11,200.00	6,814.84	7,167.55	6,943.50	129.54	46.41	92.19	818.68	4,980.88	8,911.36	8,828.20	83.16	107.160		
11,300.00	6,813.42	7,168.88	6,944.83	132.29	46.42	92.25	818.74	4,980.84	9,010.14	8,926.84	83.30	108.161		
11,400.00	6,811.99	7,170.21	6,946.16	135.05	46.42	92.30	818.81	4,980.80	9,108.95	9,025.51	83.45	109.161		
11,500.00	6,810.57	7,171.55	6,947.49	137.82	46.43	92.36	818.88	4,980.76	9,207.79	9,124.20	83.59	110.158		
11,534.42	6,810.08	7,172.01	6,947.95	138.77	46.43	92.38	818.91	4,980.74	9,241.82	9,158.18	83.64	110.501		
11,600.00	6,809.15	7,172.92	6,948.86	140.59	46.43	92.12	818.95	4,980.72	9,306.53	9,222.80	83.73	111.145		
11,645.35	6,808.50	7,173.60	6,949.54	141.85	46.43	91.98	818.99	4,980.70	9,351.15	9,267.34	83.81	111.580		
11,700.00	6,807.72	7,174.43	6,950.38	143.37	46.43	92.00	819.03	4,980.67	9,404.83	9,320.94	83.90	112.099		
11,800.00	6,806.30	7,175.97	6,951.91	146.16	46.44	92.05	819.11	4,980.62	9,503.11	9,419.04	84.06	113.045		
11,900.00	6,804.88	7,177.51	6,953.44	148.94	46.44	92.11	819.19	4,980.58	9,601.42	9,517.19	84.23	113.989		
12,000.00	6,803.45	7,179.05	6,954.99	151.74	46.45	92.16	819.27	4,980.53	9,699.77	9,615.37	84.40	114.931		
12,100.00	6,802.03	7,180.60	6,956.53	154.53	46.45	92.21	819.36	4,980.48	9,798.14	9,713.58	84.56	115.870		
12,200.00	6,800.61	7,182.15	6,958.08	157.32	46.46	92.26	819.44	4,980.44	9,896.55	9,811.83	84.73	116.808		
12,300.00	6,799.18	7,183.71	6,959.63	160.12	46.46	92.31	819.52	4,980.39	9,995.00	9,910.11	84.89	117.743		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	96.36	-622.32	5,584.34	5,619.13					
100.00	100.00	53.98	53.98	3.28	3.28	96.36	-622.30	5,584.33	5,618.89	5,612.33	6.57	855.647		
200.00	200.00	161.94	161.94	3.34	3.30	96.36	-622.15	5,584.19	5,618.75	5,612.12	6.64	846.677		
300.00	300.00	269.90	269.90	3.44	3.33	96.35	-621.85	5,583.91	5,618.47	5,611.69	6.78	828.931		
400.00	399.98	377.83	377.83	3.60	3.38	-33.78	-621.40	5,583.50	5,616.59	5,609.61	6.98	804.626		
500.00	499.84	485.58	485.58	3.79	3.45	-33.87	-620.81	5,582.95	5,611.68	5,604.44	7.24	775.147		
600.00	599.45	593.01	593.00	4.03	3.53	-34.02	-620.07	5,582.27	5,603.73	5,596.18	7.55	741.751		
700.00	698.70	699.96	699.94	4.30	3.62	-34.23	-619.18	5,581.46	5,592.78	5,584.86	7.92	706.195		
785.00	782.69	790.38	790.35	4.56	3.71	-34.45	-618.32	5,580.66	5,581.11	5,572.85	8.26	675.279		
800.00	797.47	806.29	806.26	4.60	3.73	-34.47	-618.16	5,580.51	5,578.87	5,570.53	8.33	669.671		
900.00	896.04	912.31	912.27	4.94	3.84	-34.59	-616.99	5,579.44	5,563.81	5,555.04	8.77	634.412		
1,000.00	994.61	1,018.26	1,018.21	5.30	3.97	-34.70	-615.68	5,578.24	5,548.63	5,539.39	9.24	600.414		
1,100.00	1,093.18	1,124.14	1,124.06	5.69	4.11	-34.82	-614.23	5,576.90	5,533.34	5,523.60	9.74	568.119		
1,200.00	1,191.75	1,229.94	1,229.85	6.08	4.25	-34.95	-612.63	5,575.43	5,517.93	5,507.67	10.26	537.754		
1,300.00	1,290.32	1,338.08	1,337.96	6.49	4.46	-35.07	-610.86	5,573.79	5,502.41	5,491.55	10.86	506.883		
1,400.00	1,388.89	1,438.01	1,437.86	6.91	4.76	-35.19	-609.23	5,572.09	5,486.72	5,475.16	11.56	474.517		
1,500.00	1,487.46	1,526.76	1,526.59	7.34	5.05	-35.29	-608.13	5,570.68	5,471.21	5,458.95	12.26	446.211		
1,600.00	1,586.03	1,654.15	1,653.95	7.77	5.49	-35.44	-606.71	5,568.56	5,455.69	5,442.58	13.11	416.146		
1,700.00	1,684.61	1,790.73	1,790.49	8.22	5.98	-35.58	-606.07	5,565.12	5,439.36	5,425.35	14.01	388.142		
1,800.00	1,783.18	3,107.77	3,090.25	8.66	11.49	-36.69	-621.32	5,387.95	5,420.86	5,401.58	19.28	281.201		
1,900.00	1,881.75	3,301.60	3,277.21	9.11	12.44	-36.82	-626.12	5,377.05	5,381.92	5,361.46	20.46	263.080		
2,000.00	1,980.32	3,330.24	3,304.82	9.57	12.58	-36.84	-626.39	5,329.47	5,342.66	5,321.63	21.03	254.015		
2,100.00	2,078.89	3,365.00	3,338.45	10.02	12.75	-36.87	-626.70	5,320.71	5,304.51	5,282.87	21.64	245.131		
2,200.00	2,177.46	3,411.98	3,384.02	10.49	12.99	-36.91	-627.36	5,309.29	5,267.28	5,244.98	22.30	236.224		
2,300.00	2,276.03	3,691.70	3,654.37	10.95	14.40	-37.09	-635.57	5,238.08	5,230.01	5,206.21	23.81	219.674		
2,400.00	2,374.60	3,894.20	3,848.34	11.41	15.47	-37.19	-643.23	5,180.45	5,189.41	5,164.38	25.04	207.265		
2,500.00	2,473.17	4,010.38	3,959.00	11.88	16.11	-37.25	-647.59	5,145.35	5,146.79	5,120.83	25.96	198.240		
2,600.00	2,571.74	4,021.00	3,969.12	12.35	16.17	-37.26	-647.96	5,142.14	5,104.83	5,078.31	26.52	192.478		
2,700.00	2,670.31	4,073.00	4,018.83	12.82	16.45	-37.29	-649.89	5,127.01	5,063.62	5,036.39	27.23	185.954		
2,800.00	2,768.88	4,115.00	4,059.22	13.29	16.68	-37.31	-651.61	5,115.63	5,023.80	4,995.89	27.91	180.004		
2,900.00	2,867.45	4,115.00	4,059.22	13.76	16.68	-37.31	-651.61	5,115.63	4,985.09	4,956.65	28.45	175.251		
3,000.00	2,966.02	4,174.72	4,116.93	14.24	16.99	-37.34	-654.04	5,100.44	4,947.26	4,918.07	29.19	169.473		
3,100.00	3,064.59	4,208.00	4,149.19	14.71	17.17	-37.36	-655.29	5,092.40	4,910.53	4,880.68	29.85	164.507		
3,200.00	3,163.16	4,255.62	4,195.49	15.19	17.41	-37.39	-657.04	5,081.38	4,874.79	4,844.23	30.56	159.520		
3,300.00	3,261.73	4,302.00	4,240.71	15.66	17.65	-37.42	-658.74	5,071.21	4,840.07	4,808.80	31.27	154.801		
3,400.00	3,360.30	4,336.55	4,274.48	16.14	17.82	-37.45	-659.97	5,064.01	4,806.37	4,774.44	31.93	150.514		
3,500.00	3,458.87	4,396.00	4,332.75	16.62	18.11	-37.49	-661.93	5,052.42	4,773.85	4,741.16	32.69	146.045		
3,600.00	3,557.44	4,425.08	4,361.32	17.10	18.26	-37.51	-662.81	5,047.05	4,742.19	4,708.85	33.34	142.251		
3,700.00	3,656.01	4,490.00	4,425.18	17.58	18.57	-37.56	-664.61	5,035.50	4,711.42	4,677.31	34.11	138.120		
3,800.00	3,754.58	4,523.74	4,458.43	18.06	18.73	-37.59	-665.46	5,029.82	4,681.55	4,646.77	34.78	134.619		
3,900.00	3,853.15	4,583.00	4,516.97	18.54	19.01	-37.65	-666.83	5,020.72	4,652.96	4,617.43	35.53	130.956		
4,000.00	3,951.72	4,583.00	4,516.97	19.02	19.01	-37.65	-666.83	5,020.72	4,625.41	4,589.34	36.07	128.219		
4,100.00	4,050.29	4,630.08	4,563.61	19.50	19.23	-37.69	-667.78	5,014.40	4,599.16	4,562.38	36.78	125.045		
4,200.00	4,148.86	4,677.00	4,610.22	19.98	19.44	-37.74	-668.61	5,009.07	4,574.41	4,536.92	37.48	122.034		
4,300.00	4,247.43	4,704.35	4,637.43	20.46	19.56	-37.77	-669.01	5,006.33	4,550.84	4,512.72	38.11	119.402		
4,400.00	4,346.00	4,771.00	4,703.80	20.94	19.85	-37.85	-669.50	5,000.29	4,528.43	4,489.55	38.88	116.460		
4,500.00	4,444.58	4,798.65	4,731.37	21.43	19.97	-37.89	-669.49	4,998.10	4,506.99	4,467.48	39.51	114.083		
4,600.00	4,543.15	4,838.99	4,771.61	21.91	20.14	-37.94	-669.21	4,995.35	4,486.84	4,446.67	40.17	111.692		
4,700.00	4,641.72	4,864.00	4,796.57	22.39	20.25	-37.98	-668.87	4,993.91	4,468.02	4,427.25	40.77	109.583		
4,800.00	4,740.29	4,929.33	4,861.83	22.87	20.52	-38.08	-667.93	4,990.93	4,450.21	4,408.69	41.52	107.170		
4,900.00	4,838.86	4,983.46	4,915.93	23.36	20.74	-38.16	-667.32	4,989.18	4,433.59	4,391.36	42.23	104.986		
5,000.00	4,937.43	5,052.00	4,984.44	23.84	21.02	-38.26	-666.83	4,987.51	4,417.81	4,374.82	42.99	102.761		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,065.90	4,998.34	24.32	21.08	-38.28	-666.76	4,987.23	4,403.16	4,359.64	43.53	101.162		
5,200.00	5,134.57	5,065.90	4,998.34	24.81	21.08	-38.28	-666.76	4,987.23	4,390.70	4,346.71	43.99	99.820		
5,300.00	5,233.14	5,065.90	4,998.34	25.29	21.08	-38.28	-666.76	4,987.23	4,380.49	4,336.06	44.43	98.599		
5,400.00	5,331.71	5,065.90	4,998.34	25.78	21.08	-38.28	-666.76	4,987.23	4,372.54	4,327.69	44.85	97.497		
5,500.00	5,430.28	5,065.90	4,998.34	26.26	21.08	-38.28	-666.76	4,987.23	4,366.87	4,321.62	45.25	96.512		
5,600.00	5,528.85	5,065.90	4,998.34	26.75	21.08	-38.28	-666.76	4,987.23	4,363.48	4,317.85	45.62	95.641		
5,697.89	5,625.34	5,065.90	4,998.34	27.22	21.08	-38.28	-666.76	4,987.23	4,362.38	4,316.41	45.97	94.896 CC		
5,700.00	5,627.42	5,065.90	4,998.34	27.23	21.08	-38.28	-666.76	4,987.23	4,362.38	4,316.40	45.98	94.881 ES		
5,800.00	5,725.99	5,065.90	4,998.34	27.72	21.08	-38.28	-666.76	4,987.23	4,363.58	4,317.27	46.31	94.231		
5,900.00	5,824.56	5,065.90	4,998.34	28.20	21.08	-38.28	-666.76	4,987.23	4,367.06	4,320.45	46.61	93.687		
6,000.00	5,923.13	5,065.90	4,998.34	28.69	21.08	-38.28	-666.76	4,987.23	4,372.83	4,325.93	46.90	93.247		
6,100.00	6,021.70	5,065.90	4,998.34	29.17	21.08	-38.28	-666.76	4,987.23	4,380.87	4,333.72	47.15	92.909		
6,200.00	6,120.27	5,065.90	4,998.34	29.66	21.08	-38.28	-666.76	4,987.23	4,391.18	4,343.80	47.38	92.671		
6,238.51	6,158.23	5,065.90	4,998.34	29.84	21.08	-38.28	-666.76	4,987.23	4,395.75	4,348.28	47.47	92.605		
6,250.00	6,169.57	5,065.90	4,998.34	29.90	21.08	-42.68	-666.76	4,987.23	4,397.28	4,349.79	47.49	92.590 SF		
6,300.00	6,219.12	5,065.90	4,998.34	30.13	21.08	-71.57	-666.76	4,987.23	4,406.66	4,359.07	47.59	92.604		
6,350.00	6,268.78	5,065.90	4,998.34	30.33	21.08	-109.19	-666.76	4,987.23	4,420.37	4,372.71	47.66	92.749		
6,400.00	6,318.25	5,065.90	4,998.34	30.52	21.08	-133.85	-666.76	4,987.23	4,438.31	4,390.61	47.71	93.033		
6,450.00	6,367.22	5,065.90	4,998.34	30.69	21.08	-146.39	-666.76	4,987.23	4,460.31	4,412.58	47.73	93.444		
6,500.00	6,415.39	5,065.90	4,998.34	30.86	21.08	-153.19	-666.76	4,987.23	4,486.17	4,438.43	47.74	93.970		
6,550.00	6,462.47	5,065.90	4,998.34	31.02	21.08	-157.21	-666.76	4,987.23	4,515.68	4,467.94	47.73	94.601		
6,600.00	6,508.16	5,065.90	4,998.34	31.18	21.08	-159.71	-666.76	4,987.23	4,548.57	4,500.86	47.72	95.326		
6,650.00	6,552.18	5,065.90	4,998.34	31.34	21.08	-161.27	-666.76	4,987.23	4,584.58	4,536.89	47.69	96.136		
6,700.00	6,594.26	5,065.90	4,998.34	31.51	21.08	-162.16	-666.76	4,987.23	4,623.42	4,575.76	47.65	97.019		
6,750.00	6,634.14	5,065.90	4,998.34	31.68	21.08	-162.50	-666.76	4,987.23	4,664.77	4,617.15	47.62	97.965		
6,800.00	6,671.58	5,065.90	4,998.34	31.86	21.08	-162.30	-666.76	4,987.23	4,708.32	4,660.74	47.58	98.961		
6,850.00	6,706.34	5,065.90	4,998.34	32.06	21.08	-161.46	-666.76	4,987.23	4,753.75	4,706.21	47.54	99.996		
6,900.00	6,738.21	5,065.90	4,998.34	32.27	21.08	-159.65	-666.76	4,987.23	4,800.72	4,753.21	47.50	101.058		
6,950.00	6,766.99	5,065.90	4,998.34	32.52	21.08	-156.11	-666.76	4,987.23	4,848.90	4,801.43	47.48	102.134		
7,000.00	6,792.51	5,065.90	4,998.34	32.80	21.08	-148.47	-666.76	4,987.23	4,897.98	4,850.52	47.46	103.211		
7,050.00	6,814.61	5,065.90	4,998.34	33.12	21.08	-127.39	-666.76	4,987.23	4,947.61	4,900.17	47.45	104.278		
7,100.00	6,833.15	5,065.90	4,998.34	33.48	21.08	-67.13	-666.76	4,987.23	4,997.49	4,950.04	47.45	105.322		
7,150.00	6,848.02	5,065.90	4,998.34	33.89	21.08	-25.81	-666.76	4,987.23	5,047.31	4,999.84	47.47	106.332		
7,200.00	6,859.13	5,065.90	4,998.34	34.35	21.08	-12.71	-666.76	4,987.23	5,096.76	5,049.25	47.50	107.297		
7,250.00	6,866.40	5,065.90	4,998.34	34.86	21.08	-7.06	-666.76	4,987.23	5,145.55	5,097.99	47.55	108.205		
7,300.00	6,869.79	5,065.90	4,998.34	35.40	21.08	-3.99	-666.76	4,987.23	5,193.40	5,145.78	47.63	109.047		
7,327.68	6,870.00	5,065.90	4,998.34	35.71	21.08	-2.82	-666.76	4,987.23	5,219.40	5,171.72	47.67	109.485		
7,400.00	6,868.97	5,065.90	4,998.34	36.61	21.08	-2.82	-666.76	4,987.23	5,286.85	5,239.04	47.81	110.581		
7,500.00	6,867.54	5,065.90	4,998.34	38.01	21.08	-2.82	-666.76	4,987.23	5,380.34	5,332.34	48.00	112.093		
7,600.00	6,866.12	5,065.90	4,998.34	39.58	21.08	-2.82	-666.76	4,987.23	5,474.06	5,425.87	48.18	113.610		
7,700.00	6,864.69	5,065.90	4,998.34	41.29	21.08	-2.82	-666.76	4,987.23	5,567.99	5,519.63	48.36	115.130		
7,800.00	6,863.27	5,065.90	4,998.34	43.12	21.08	-2.82	-666.76	4,987.23	5,662.13	5,613.60	48.54	116.655		
7,900.00	6,861.85	5,065.90	4,998.34	45.06	21.08	-2.82	-666.76	4,987.23	5,756.47	5,707.77	48.71	118.182		
8,000.00	6,860.42	5,065.90	4,998.34	47.10	21.08	-2.82	-666.76	4,987.23	5,851.00	5,802.13	48.88	119.712		
8,100.00	6,859.00	5,065.90	4,998.34	49.21	21.08	-2.82	-666.76	4,987.23	5,945.71	5,896.67	49.04	121.245		
8,200.00	6,857.57	5,065.90	4,998.34	51.40	21.08	-2.82	-666.76	4,987.23	6,040.59	5,991.39	49.20	122.779		
8,300.00	6,856.15	5,065.90	4,998.34	53.65	21.08	-2.82	-666.76	4,987.23	6,135.63	6,086.27	49.35	124.316		
8,400.00	6,854.72	5,065.90	4,998.34	55.96	21.08	-2.82	-666.76	4,987.23	6,230.82	6,181.32	49.51	125.855		
8,500.00	6,853.30	5,065.90	4,998.34	58.31	21.08	-2.82	-666.76	4,987.23	6,326.17	6,276.51	49.66	127.395		
8,600.00	6,851.88	5,065.90	4,998.34	60.70	21.08	-2.82	-666.76	4,987.23	6,421.65	6,371.85	49.80	128.936		
8,700.00	6,850.45	5,065.90	4,998.34	63.14	21.08	-2.82	-666.76	4,987.23	6,517.27	6,467.33	49.95	130.479		
8,800.00	6,849.03	5,065.90	4,998.34	65.60	21.08	-2.82	-666.76	4,987.23	6,613.03	6,562.93	50.09	132.022		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	5,065.90	4,998.34	68.10	21.08	-2.82	-666.76	4,987.23	6,708.90	6,658.67	50.23	133.565		
9,000.00	6,846.18	5,065.90	4,998.34	70.62	21.08	-2.82	-666.76	4,987.23	6,804.89	6,754.53	50.37	135.109		
9,100.00	6,844.75	5,065.90	4,998.34	73.17	21.08	-2.82	-666.76	4,987.23	6,901.00	6,850.50	50.50	136.653		
9,200.00	6,843.33	5,065.90	4,998.34	75.73	21.08	-2.82	-666.76	4,987.23	6,997.22	6,946.58	50.63	138.196		
9,300.00	6,841.91	5,065.90	4,998.34	78.32	21.08	-2.82	-666.76	4,987.23	7,093.54	7,042.78	50.76	139.740		
9,400.00	6,840.48	5,065.90	4,998.34	80.92	21.08	-2.82	-666.76	4,987.23	7,189.96	7,139.07	50.89	141.283		
9,500.00	6,839.06	5,065.90	4,998.34	83.54	21.08	-2.82	-666.76	4,987.23	7,286.48	7,235.46	51.02	142.825		
9,600.00	6,837.63	5,065.90	4,998.34	86.18	21.08	-2.82	-666.76	4,987.23	7,383.09	7,331.95	51.14	144.366		
9,700.00	6,836.21	5,065.90	4,998.34	88.82	21.08	-2.82	-666.76	4,987.23	7,479.79	7,428.52	51.26	145.907		
9,800.00	6,834.78	5,065.90	4,998.34	91.48	21.08	-2.82	-666.76	4,987.23	7,576.57	7,525.19	51.39	147.446		
9,900.00	6,833.36	5,065.90	4,998.34	94.15	21.08	-2.82	-666.76	4,987.23	7,673.44	7,621.94	51.51	148.984		
10,000.00	6,831.94	5,065.90	4,998.34	96.83	21.08	-2.82	-666.76	4,987.23	7,770.39	7,718.76	51.62	150.520		
10,100.00	6,830.51	5,065.90	4,998.34	99.52	21.08	-2.82	-666.76	4,987.23	7,867.41	7,815.67	51.74	152.055		
10,200.00	6,829.09	5,065.90	4,998.34	102.22	21.08	-2.82	-666.76	4,987.23	7,964.51	7,912.65	51.86	153.588		
10,300.00	6,827.66	5,065.90	4,998.34	104.92	21.08	-2.82	-666.76	4,987.23	8,061.68	8,009.71	51.97	155.119		
10,400.00	6,826.24	5,065.90	4,998.34	107.63	21.08	-2.82	-666.76	4,987.23	8,158.91	8,106.83	52.08	156.648		
10,500.00	6,824.81	5,065.90	4,998.34	110.35	21.08	-2.82	-666.76	4,987.23	8,256.22	8,204.02	52.20	158.174		
10,600.00	6,823.39	5,065.90	4,998.34	113.08	21.08	-2.82	-666.76	4,987.23	8,353.58	8,301.27	52.31	159.699		
10,700.00	6,821.96	5,065.90	4,998.34	115.81	21.08	-2.82	-666.76	4,987.23	8,451.01	8,398.59	52.42	161.221		
10,800.00	6,820.54	5,065.90	4,998.34	118.54	21.08	-2.82	-666.76	4,987.23	8,548.50	8,495.97	52.53	162.740		
10,900.00	6,819.12	5,065.90	4,998.34	121.29	21.08	-2.82	-666.76	4,987.23	8,646.04	8,593.40	52.64	164.257		
11,000.00	6,817.69	5,065.90	4,998.34	124.03	21.08	-2.82	-666.76	4,987.23	8,743.64	8,690.90	52.75	165.771		
11,100.00	6,816.27	5,065.90	4,998.34	126.78	21.08	-2.82	-666.76	4,987.23	8,841.30	8,788.44	52.85	167.282		
11,200.00	6,814.84	5,065.90	4,998.34	129.54	21.08	-2.82	-666.76	4,987.23	8,939.00	8,886.04	52.96	168.791		
11,300.00	6,813.42	5,065.90	4,998.34	132.29	21.08	-2.82	-666.76	4,987.23	9,036.76	8,983.69	53.07	170.296		
11,400.00	6,811.99	5,065.90	4,998.34	135.05	21.08	-2.82	-666.76	4,987.23	9,134.56	9,081.39	53.17	171.798		
11,500.00	6,810.57	5,065.90	4,998.34	137.82	21.08	-2.82	-666.76	4,987.23	9,232.41	9,179.14	53.28	173.296		
11,534.42	6,810.08	5,065.90	4,998.34	138.77	21.08	-2.82	-666.76	4,987.23	9,266.11	9,212.80	53.31	173.811		
11,600.00	6,809.15	5,065.90	4,998.34	140.59	21.08	3.51	-666.76	4,987.23	9,330.31	9,276.93	53.38	174.793		
11,645.35	6,808.50	5,065.90	4,998.34	141.85	21.08	7.87	-666.76	4,987.23	9,374.72	9,321.29	53.43	175.473		
11,700.00	6,807.72	5,065.90	4,998.34	143.37	21.08	7.87	-666.76	4,987.23	9,428.23	9,374.75	53.48	176.292		
11,800.00	6,806.30	5,065.90	4,998.34	146.16	21.08	7.87	-666.76	4,987.23	9,526.18	9,472.59	53.58	177.787		
11,900.00	6,804.88	5,065.90	4,998.34	148.94	21.08	7.87	-666.76	4,987.23	9,624.17	9,570.49	53.68	179.278		
12,000.00	6,803.45	5,065.90	4,998.34	151.74	21.08	7.87	-666.76	4,987.23	9,722.20	9,668.42	53.78	180.765		
12,100.00	6,802.03	5,065.90	4,998.34	154.53	21.08	7.87	-666.76	4,987.23	9,820.28	9,766.39	53.88	182.248		
12,200.00	6,800.61	5,065.90	4,998.34	157.32	21.08	7.87	-666.76	4,987.23	9,918.39	9,864.40	53.98	183.728		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	96.14	-602.28	5,596.03	5,628.57					
100.00	100.00	54.46	54.46	3.28	3.28	96.14	-602.38	5,596.00	5,628.33	5,621.76	6.57	857.087		
200.00	200.00	153.95	153.95	3.34	3.31	96.15	-602.98	5,595.82	5,628.22	5,621.57	6.65	846.679		
300.00	300.00	261.84	261.84	3.44	3.40	96.16	-603.74	5,595.66	5,628.15	5,621.30	6.85	821.787		
400.00	399.98	385.81	385.80	3.60	3.58	-33.97	-604.37	5,595.06	5,626.28	5,619.10	7.18	783.673		
500.00	499.84	486.84	486.83	3.79	3.78	-34.05	-604.55	5,594.36	5,621.27	5,613.70	7.57	742.838		
600.00	599.45	1,997.87	1,976.67	4.03	11.86	-35.80	-517.31	5,407.16	5,603.74	5,590.09	13.65	410.496		
700.00	698.70	2,234.51	2,203.09	4.30	14.35	-36.75	-485.03	5,346.45	5,566.97	5,551.79	15.18	366.611		
785.00	782.69	2,295.86	2,261.60	4.56	15.03	-37.34	-476.29	5,330.22	5,533.38	5,517.62	15.76	351.169		
800.00	797.47	2,308.38	2,273.54	4.60	15.17	-37.37	-474.46	5,326.93	5,527.31	5,511.43	15.88	348.167		
900.00	896.04	2,399.27	2,360.24	4.94	16.19	-37.60	-461.32	5,303.03	5,486.90	5,470.22	16.68	328.929		
1,000.00	994.61	2,520.95	2,476.13	5.30	17.59	-37.93	-443.26	5,270.65	5,446.22	5,428.51	17.71	307.471		
1,100.00	1,093.18	1,100.00	2,713.45	5.69	5.92	-38.66	-402.02	5,200.64	5,404.64	5,395.02	9.62	562.061		
1,200.00	1,191.75	2,835.54	2,773.33	6.08	21.66	-38.86	-391.06	5,181.80	5,361.30	5,340.85	20.45	262.192		
1,300.00	1,290.32	2,866.43	2,802.50	6.49	22.08	-38.95	-386.04	5,172.95	5,318.91	5,297.87	21.04	252.767		
1,400.00	1,388.89	2,900.00	2,834.35	6.91	22.52	-39.05	-380.90	5,163.66	5,277.57	5,255.89	21.68	243.479		
1,500.00	1,487.46	2,984.99	2,915.20	7.34	23.55	-39.29	-368.60	5,140.52	5,236.83	5,214.22	22.61	231.582		
1,600.00	1,586.03	3,100.00	3,024.44	7.77	24.98	-39.62	-352.38	5,108.42	5,195.49	5,171.74	23.74	218.808		
1,700.00	1,684.61	3,150.13	3,072.06	8.22	25.57	-39.77	-345.30	5,094.44	5,154.55	5,130.04	24.51	210.346		
1,800.00	1,783.18	3,200.00	3,119.67	8.66	26.17	-39.91	-338.33	5,081.36	5,114.86	5,089.58	25.28	202.342		
1,900.00	1,881.75	3,240.03	3,158.01	9.11	26.59	-40.03	-332.95	5,071.17	5,075.98	5,049.99	25.99	195.307		
2,000.00	1,980.32	3,317.54	3,232.36	9.57	27.41	-40.24	-323.52	5,051.42	5,037.49	5,010.58	26.91	187.226		
2,100.00	2,078.89	3,372.68	3,285.39	10.02	27.96	-40.39	-317.35	5,037.63	4,999.57	4,971.87	27.70	180.513		
2,200.00	2,177.46	3,434.78	3,345.26	10.49	28.56	-40.55	-310.78	5,022.50	4,962.33	4,933.81	28.52	173.988		
2,300.00	2,276.03	3,500.00	3,408.24	10.95	29.17	-40.71	-304.23	5,006.87	4,925.61	4,896.25	29.36	167.760		
2,400.00	2,374.60	3,567.37	3,473.38	11.41	29.78	-40.89	-297.45	4,991.06	4,889.42	4,859.21	30.22	161.819		
2,500.00	2,473.17	4,048.08	3,932.13	11.88	35.39	-42.35	-236.73	4,862.14	4,850.53	4,817.16	33.37	145.367		
2,600.00	2,571.74	4,100.00	3,980.86	12.35	36.16	-42.54	-228.46	4,846.26	4,807.77	4,773.47	34.30	140.154		
2,700.00	2,670.31	4,149.06	4,027.07	12.82	36.83	-42.71	-220.98	4,831.58	4,765.82	4,730.62	35.20	135.375		
2,800.00	2,768.88	4,200.00	4,075.40	13.29	37.52	-42.89	-214.08	4,817.04	4,725.03	4,688.90	36.12	130.798		
2,900.00	2,867.45	4,230.76	4,104.69	13.76	37.88	-42.99	-210.11	4,808.54	4,685.17	4,648.25	36.91	126.918		
3,000.00	2,966.02	4,280.74	4,152.35	14.24	38.47	-43.16	-203.38	4,795.07	4,646.23	4,608.41	37.82	122.854		
3,100.00	3,064.59	4,457.57	4,320.37	14.71	40.68	-43.79	-178.04	4,746.14	4,606.52	4,567.03	39.50	116.624		
3,200.00	3,163.16	4,700.00	4,547.64	15.19	44.36	-44.77	-138.06	4,672.00	4,563.36	4,521.52	41.84	109.077		
3,300.00	3,261.73	4,757.14	4,601.06	15.66	45.24	-45.00	-129.15	4,653.79	4,520.49	4,477.57	42.92	105.334		
3,400.00	3,360.30	4,800.00	4,641.34	16.14	45.91	-45.18	-122.29	4,640.83	4,478.96	4,435.04	43.91	101.996		
3,500.00	3,458.87	4,838.70	4,677.80	16.62	46.44	-45.34	-115.96	4,629.52	4,438.48	4,393.59	44.89	98.882		
3,600.00	3,557.44	4,900.00	4,735.65	17.10	47.28	-45.60	-105.69	4,612.04	4,398.92	4,352.89	46.02	95.578		
3,700.00	3,656.01	4,951.77	4,784.60	17.58	47.95	-45.83	-96.93	4,597.64	4,360.14	4,313.03	47.10	92.569		
3,800.00	3,754.58	5,000.00	4,830.28	18.06	48.58	-46.04	-88.87	4,584.43	4,322.09	4,273.93	48.16	89.736		
3,900.00	3,853.15	5,051.23	4,878.95	18.54	49.18	-46.26	-80.46	4,570.84	4,285.02	4,235.79	49.23	87.041		
4,000.00	3,951.72	5,100.00	4,925.50	19.02	49.75	-46.47	-72.67	4,558.53	4,249.14	4,198.85	50.29	84.498		
4,100.00	4,050.29	5,157.69	4,980.80	19.50	50.33	-46.71	-64.20	4,544.47	4,214.21	4,162.86	51.35	82.068		
4,200.00	4,148.86	5,200.00	5,021.52	19.98	50.76	-46.88	-58.81	4,534.33	4,180.03	4,127.70	52.33	79.880		
4,300.00	4,247.43	5,237.35	5,057.64	20.46	51.05	-47.02	-54.54	4,525.86	4,147.12	4,093.89	53.23	77.908		
4,400.00	4,346.00	5,264.63	5,084.17	20.94	51.26	-47.12	-51.67	4,520.18	4,115.83	4,061.74	54.09	76.097		
4,500.00	4,444.58	5,300.00	5,118.73	21.43	51.54	-47.24	-48.25	4,513.47	4,086.14	4,031.17	54.97	74.329		
4,600.00	4,543.15	5,345.65	5,163.49	21.91	51.81	-47.39	-44.29	4,505.41	4,057.81	4,001.95	55.86	72.648		
4,700.00	4,641.72	5,400.00	5,216.89	22.39	52.12	-47.57	-40.14	4,496.19	4,030.36	3,973.59	56.76	71.002		
4,800.00	4,740.29	5,447.17	5,263.36	22.87	52.34	-47.71	-37.00	4,488.73	4,004.04	3,946.42	57.62	69.494		
4,900.00	4,838.86	5,500.00	5,315.57	23.36	52.59	-47.87	-33.94	4,481.26	3,979.11	3,920.63	58.48	68.041		
5,000.00	4,937.43	5,500.00	5,315.57	23.84	52.59	-47.87	-33.94	4,481.26	3,955.75	3,896.58	59.17	66.853		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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 #4AD - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,100.00	5,036.00	5,562.89	5,377.93	24.32	52.81	-48.04	-30.80	4,473.77	3,933.48	3,873.46	60.02	65.535				
5,200.00	5,134.57	5,600.00	5,414.83	24.81	52.94	-48.14	-29.15	4,470.14	3,912.97	3,852.18	60.79	64.368				
5,300.00	5,233.14	5,662.29	5,476.83	25.29	53.12	-48.31	-26.47	4,464.80	3,893.70	3,832.09	61.61	63.198				
5,400.00	5,331.71	5,726.40	5,540.69	25.78	53.29	-48.48	-23.65	4,459.85	3,875.33	3,812.90	62.43	62.072				
5,500.00	5,430.28	5,800.00	5,614.04	26.26	53.48	-48.68	-20.51	4,454.82	3,857.85	3,794.58	63.28	60.969				
5,600.00	5,528.85	5,858.85	5,672.75	26.75	53.62	-48.83	-18.30	4,451.31	3,841.19	3,777.13	64.06	59.960				
5,700.00	5,627.42	5,929.09	5,742.87	27.23	53.78	-49.00	-16.34	4,447.74	3,825.37	3,760.50	64.87	58.970				
5,800.00	5,725.99	6,004.65	5,818.35	27.72	53.95	-49.17	-15.07	4,444.48	3,810.22	3,744.54	65.68	58.014				
5,900.00	5,824.56	6,083.94	5,897.58	28.20	54.12	-49.35	-14.36	4,441.58	3,795.65	3,729.16	66.49	57.090				
6,000.00	5,923.13	6,170.99	5,984.58	28.69	54.30	-49.53	-13.98	4,438.81	3,781.52	3,714.21	67.31	56.182				
6,100.00	6,021.70	6,263.24	6,076.80	29.17	54.50	-49.72	-14.01	4,436.15	3,767.66	3,699.52	68.14	55.291				
6,200.00	6,120.27	6,351.54	6,165.07	29.66	54.68	-49.89	-14.53	4,433.83	3,754.01	3,685.04	68.96	54.436				
6,238.51	6,158.23	6,384.19	6,197.71	29.84	54.75	-49.95	-14.79	4,433.06	3,748.85	3,679.57	69.27	54.117				
6,250.00	6,169.57	6,393.95	6,207.46	29.90	54.77	-54.37	-14.88	4,432.84	3,747.42	3,678.06	69.37	54.024				
6,300.00	6,219.12	6,450.72	6,264.21	30.13	54.89	-83.37	-15.42	4,431.54	3,743.58	3,673.78	69.79	53.637				
6,325.97	6,244.92	6,481.54	6,295.02	30.23	54.96	-103.57	-15.77	4,430.78	3,743.07	3,673.06	70.01	53.465 CC, ES				
6,350.00	6,268.78	6,510.07	6,323.54	30.33	55.02	-121.18	-16.12	4,430.05	3,743.50	3,673.30	70.21	53.321				
6,400.00	6,318.25	6,567.40	6,380.84	30.52	55.14	-146.09	-16.85	4,428.49	3,747.21	3,676.62	70.59	53.084				
6,450.00	6,367.22	6,620.83	6,434.25	30.69	55.26	-158.97	-17.55	4,426.93	3,754.69	3,683.75	70.94	52.927				
6,500.00	6,415.39	6,668.64	6,482.03	30.86	55.36	-166.18	-18.29	4,425.55	3,765.98	3,694.73	71.26	52.851				
6,550.00	6,462.47	6,717.48	6,530.84	31.02	55.47	-170.73	-19.14	4,424.16	3,781.03	3,709.47	71.56	52.839 SF				
6,600.00	6,508.16	6,768.95	6,582.29	31.18	55.58	-173.89	-19.99	4,422.64	3,799.68	3,727.84	71.85	52.886				
6,650.00	6,552.18	6,819.82	6,633.13	31.34	55.69	-176.28	-20.74	4,421.04	3,821.82	3,749.70	72.12	52.994				
6,700.00	6,594.26	6,870.42	6,683.70	31.51	55.81	-178.22	-21.49	4,419.36	3,847.27	3,774.90	72.37	53.160				
6,750.00	6,634.14	6,918.69	6,731.93	31.68	55.92	-179.88	-22.23	4,417.67	3,875.90	3,803.30	72.60	53.385				
6,800.00	6,671.58	6,941.70	6,754.92	31.86	55.97	-178.57	-22.61	4,416.93	3,907.70	3,834.94	72.75	53.713				
6,850.00	6,706.34	6,969.14	6,782.35	32.06	56.03	-177.06	-23.10	4,416.10	3,942.44	3,869.54	72.89	54.085				
6,900.00	6,738.21	6,994.32	6,807.51	32.27	56.09	-175.46	-23.56	4,415.39	3,979.90	3,906.89	73.01	54.510				
6,950.00	6,766.99	7,032.77	6,845.94	32.52	56.18	-173.72	-24.29	4,414.31	4,019.81	3,946.66	73.15	54.951				
7,000.00	6,792.51	7,072.08	6,885.23	32.80	56.27	-171.70	-25.02	4,413.10	4,061.81	3,988.53	73.28	55.428				
7,050.00	6,814.61	7,121.36	6,934.46	33.12	56.38	-169.28	-25.89	4,411.37	4,105.66	4,032.24	73.42	55.917				
7,100.00	6,833.15	7,219.09	7,032.07	33.48	56.62	-166.57	-27.40	4,406.60	4,150.90	4,077.23	73.68	56.340				
7,150.00	6,848.02	7,250.00	6,994.48	33.89	56.45	-161.50	-26.83	4,408.51	4,197.51	4,124.03	73.48	57.123				
7,200.00	6,859.13	7,200.00	7,007.78	34.35	56.57	-154.38	-27.05	4,407.91	4,245.40	4,171.79	73.61	57.672				
7,250.00	6,866.40	7,222.61	7,035.59	34.86	56.63	-143.17	-27.42	4,406.50	4,294.03	4,220.38	73.65	58.305				
7,300.00	6,869.79	7,225.54	7,038.51	35.40	56.63	-122.34	-27.45	4,406.35	4,343.29	4,269.67	73.63	58.990				
7,327.68	6,870.00	7,226.32	7,039.29	35.71	56.63	-105.63	-27.46	4,406.31	4,370.71	4,297.09	73.61	59.374				
7,400.00	6,868.97	7,227.57	7,040.54	36.61	56.64	-105.75	-27.48	4,406.25	4,442.38	4,368.81	73.57	60.382				
7,500.00	6,867.54	7,229.27	7,042.24	38.01	56.64	-105.91	-27.49	4,406.17	4,541.53	4,468.01	73.52	61.773				
7,600.00	6,866.12	7,230.93	7,043.90	39.58	56.65	-106.07	-27.51	4,406.09	4,640.71	4,567.24	73.47	63.161				
7,700.00	6,864.69	7,232.56	7,045.52	41.29	56.65	-106.22	-27.53	4,406.01	4,739.93	4,666.49	73.43	64.546				
7,800.00	6,863.27	7,234.15	7,047.12	43.12	56.65	-106.37	-27.54	4,405.94	4,839.17	4,765.77	73.40	65.928				
7,900.00	6,861.85	7,235.72	7,048.68	45.06	56.66	-106.52	-27.56	4,405.86	4,938.45	4,865.08	73.37	67.308				
8,000.00	6,860.42	7,237.25	7,050.20	47.10	56.66	-106.66	-27.57	4,405.79	5,037.75	4,964.41	73.35	68.684				
8,100.00	6,859.00	7,238.75	7,051.70	49.21	56.66	-106.80	-27.58	4,405.72	5,137.08	5,063.76	73.33	70.058				
8,200.00	6,857.57	7,240.22	7,053.17	51.40	56.67	-106.94	-27.60	4,405.65	5,236.44	5,163.13	73.31	71.429				
8,300.00	6,856.15	7,241.66	7,054.61	53.65	56.67	-107.07	-27.61	4,405.59	5,335.81	5,262.52	73.30	72.798				
8,400.00	6,854.72	7,243.07	7,056.02	55.96	56.68	-107.20	-27.62	4,405.52	5,435.21	5,361.93	73.29	74.163				
8,500.00	6,853.30	7,244.46	7,057.41	58.31	56.68	-107.33	-27.63	4,405.46	5,534.63	5,461.35	73.28	75.526				
8,600.00	6,851.88	7,245.82	7,058.77	60.70	56.68	-107.46	-27.64	4,405.40	5,634.07	5,560.79	73.28	76.886				
8,700.00	6,850.45	7,247.16	7,060.10	63.14	56.69	-107.58	-27.65	4,405.34	5,733.53	5,660.25	73.28	78.243				
8,800.00	6,849.03	7,248.47	7,061.41	65.60	56.69	-107.70	-27.66	4,405.28	5,833.01	5,759.73	73.28	79.598				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	7,249.75	7,062.70	68.10	56.69	107.82	-27.67	4,405.22	5,932.50	5,859.22	73.29	80.950		
9,000.00	6,846.18	7,251.02	7,063.96	70.62	56.69	107.94	-27.68	4,405.17	6,032.01	5,958.72	73.29	82.299		
9,100.00	6,844.75	7,252.26	7,065.20	73.17	56.70	108.05	-27.69	4,405.11	6,131.54	6,058.23	73.30	83.645		
9,200.00	6,843.33	7,253.48	7,066.42	75.73	56.70	108.16	-27.70	4,405.06	6,231.08	6,157.76	73.32	84.989		
9,300.00	6,841.91	7,254.67	7,067.61	78.32	56.70	108.27	-27.71	4,405.01	6,330.63	6,257.30	73.33	86.330		
9,400.00	6,840.48	7,255.85	7,068.78	80.92	56.71	108.38	-27.71	4,404.96	6,430.20	6,356.85	73.35	87.668		
9,500.00	6,839.06	7,257.00	7,069.94	83.54	56.71	108.49	-27.72	4,404.91	6,529.78	6,456.41	73.37	89.003		
9,600.00	6,837.63	7,258.14	7,071.07	86.18	56.71	108.59	-27.73	4,404.86	6,629.37	6,555.98	73.39	90.336		
9,700.00	6,836.21	7,259.25	7,072.19	88.82	56.71	108.69	-27.73	4,404.81	6,728.97	6,655.56	73.41	91.665		
9,800.00	6,834.78	7,260.35	7,073.28	91.48	56.72	108.79	-27.74	4,404.77	6,828.58	6,755.15	73.43	92.992		
9,900.00	6,833.36	7,261.43	7,074.36	94.15	56.72	108.89	-27.75	4,404.72	6,928.21	6,854.75	73.46	94.316		
10,000.00	6,831.94	7,262.49	7,075.42	96.83	56.72	108.99	-27.75	4,404.68	7,027.85	6,954.36	73.48	95.637		
10,100.00	6,830.51	7,263.53	7,076.46	99.52	56.73	109.08	-27.76	4,404.63	7,127.49	7,053.98	73.51	96.955		
10,200.00	6,829.09	7,264.55	7,077.48	102.22	56.73	109.18	-27.76	4,404.59	7,227.15	7,153.60	73.54	98.270		
10,300.00	6,827.66	7,265.56	7,078.49	104.92	56.73	109.27	-27.77	4,404.55	7,326.81	7,253.23	73.58	99.582		
10,400.00	6,826.24	7,266.55	7,079.48	107.63	56.73	109.36	-27.77	4,404.51	7,426.48	7,352.87	73.61	100.892		
10,500.00	6,824.81	7,267.53	7,080.46	110.35	56.73	109.45	-27.78	4,404.47	7,526.16	7,452.52	73.64	102.198		
10,600.00	6,823.39	7,268.49	7,081.42	113.08	56.74	109.53	-27.78	4,404.43	7,625.85	7,552.17	73.68	103.501		
10,700.00	6,821.96	7,269.44	7,082.36	115.81	56.74	109.62	-27.79	4,404.39	7,725.55	7,651.83	73.72	104.801		
10,800.00	6,820.54	7,270.37	7,083.29	118.54	56.74	109.70	-27.79	4,404.36	7,825.25	7,751.50	73.75	106.098		
10,900.00	6,819.12	7,271.28	7,084.21	121.29	56.74	109.79	-27.80	4,404.32	7,924.96	7,851.17	73.79	107.392		
11,000.00	6,817.69	7,300.00	7,112.91	124.03	56.81	112.33	-27.86	4,403.27	8,024.82	7,950.90	73.91	108.574		
11,100.00	6,816.27	7,300.00	7,112.91	126.78	56.81	112.33	-27.86	4,403.27	8,124.53	8,050.58	73.95	109.864		
11,200.00	6,814.84	7,300.00	7,112.91	129.54	56.81	112.33	-27.86	4,403.27	8,224.25	8,150.26	73.99	111.150		
11,300.00	6,813.42	7,300.00	7,112.91	132.29	56.81	112.33	-27.86	4,403.27	8,323.98	8,249.95	74.03	112.434		
11,400.00	6,811.99	7,300.00	7,112.91	135.05	56.81	112.33	-27.86	4,403.27	8,423.72	8,349.64	74.08	113.714		
11,500.00	6,810.57	7,300.00	7,112.91	137.82	56.81	112.33	-27.86	4,403.27	8,523.46	8,449.34	74.12	114.992		
11,534.42	6,810.08	7,300.00	7,112.91	138.77	56.81	112.33	-27.86	4,403.27	8,557.80	8,483.66	74.14	115.431		
11,600.00	6,809.15	7,300.00	7,112.91	140.59	56.81	106.97	-27.86	4,403.27	8,623.15	8,548.98	74.17	116.265		
11,645.35	6,808.50	7,300.00	7,112.91	141.85	56.81	104.52	-27.86	4,403.27	8,668.28	8,594.09	74.19	116.840		
11,700.00	6,807.72	7,300.00	7,112.91	143.37	56.81	104.52	-27.86	4,403.27	8,722.62	8,648.40	74.22	117.531		
11,800.00	6,806.30	7,300.00	7,112.91	146.16	56.81	104.52	-27.86	4,403.27	8,822.06	8,747.80	74.26	118.792		
11,900.00	6,804.88	7,300.00	7,112.91	148.94	56.81	104.52	-27.86	4,403.27	8,921.52	8,847.20	74.32	120.049		
12,000.00	6,803.45	7,300.00	7,112.91	151.74	56.81	104.52	-27.86	4,403.27	9,020.98	8,946.62	74.37	121.303		
12,100.00	6,802.03	7,300.00	7,112.91	154.53	56.81	104.52	-27.86	4,403.27	9,120.46	9,046.04	74.42	122.553		
12,200.00	6,800.61	7,300.00	7,112.91	157.32	56.81	104.52	-27.86	4,403.27	9,219.95	9,145.48	74.47	123.800		
12,300.00	6,799.18	7,300.00	7,112.91	160.12	56.81	104.52	-27.86	4,403.27	9,319.45	9,244.92	74.53	125.043		
12,400.00	6,797.76	7,300.00	7,112.91	162.92	56.81	104.52	-27.86	4,403.27	9,418.97	9,344.38	74.59	126.282		
12,500.00	6,796.34	7,300.00	7,112.91	165.72	56.81	104.52	-27.86	4,403.27	9,518.49	9,443.84	74.64	127.518		
12,600.00	6,794.92	7,300.00	7,112.91	168.53	56.81	104.52	-27.86	4,403.27	9,618.02	9,543.32	74.70	128.750		
12,700.00	6,793.49	7,300.00	7,112.91	171.33	56.81	104.52	-27.86	4,403.27	9,717.56	9,642.80	74.76	129.979		
12,800.00	6,792.07	7,300.00	7,112.91	174.14	56.81	104.52	-27.86	4,403.27	9,817.11	9,742.29	74.82	131.204		
12,900.00	6,790.65	7,300.00	7,112.91	176.95	56.81	104.52	-27.86	4,403.27	9,916.67	9,841.79	74.89	132.425		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	1,283.51	1,261.62	3.28	10.05	97.52	-713.56	5,407.19	5,609.56					
100.00	100.00	1,439.43	1,409.93	3.28	11.92	97.84	-739.14	5,366.44	5,585.20	5,572.47	12.72	439.028		
200.00	200.00	1,500.00	1,467.45	3.34	12.65	97.98	-749.68	5,350.69	5,561.25	5,548.00	13.25	419.709		
300.00	300.00	1,549.12	1,514.14	3.44	13.22	98.09	-758.49	5,338.23	5,538.06	5,524.32	13.74	403.100		
400.00	399.98	1,611.46	1,573.55	3.60	13.94	-32.14	-769.41	5,322.84	5,514.15	5,499.75	14.39	383.108		
500.00	499.84	1,703.18	1,661.06	3.79	14.96	-32.26	-785.36	5,300.45	5,487.71	5,472.39	15.33	357.989		
600.00	599.45	1,930.22	1,877.38	4.03	17.56	-32.21	-822.98	5,242.76	5,457.56	5,440.13	17.43	313.123		
700.00	698.70	1,984.36	1,928.99	4.30	18.19	-32.52	-831.18	5,228.59	5,423.66	5,405.56	18.10	299.593		
785.00	782.69	2,048.56	1,990.27	4.56	18.92	-32.80	-840.95	5,212.14	5,393.13	5,374.28	18.85	286.179		
800.00	797.47	2,061.51	2,002.63	4.60	19.07	-32.78	-842.95	5,208.82	5,387.58	5,368.58	19.00	283.622		
900.00	896.04	2,136.88	2,074.54	4.94	19.92	-32.70	-854.80	5,189.60	5,350.70	5,330.82	19.88	269.113		
1,000.00	994.61	2,200.00	2,134.80	5.30	20.63	-32.62	-864.90	5,173.75	5,314.26	5,293.56	20.70	256.692		
1,100.00	1,093.18	2,259.21	2,191.35	5.69	21.27	-32.54	-874.69	5,159.20	5,278.39	5,256.87	21.52	245.263		
1,200.00	1,191.75	2,357.55	2,285.34	6.08	22.32	-32.41	-891.33	5,135.55	5,243.09	5,220.43	22.66	231.378		
1,300.00	1,290.32	1,300.00	2,424.92	6.49	11.34	-32.26	-911.84	5,099.44	5,206.61	5,191.14	15.48	336.430		
1,400.00	1,388.89	2,565.56	2,484.69	6.91	24.52	-32.20	-920.49	5,083.86	5,170.18	5,145.22	24.96	207.174		
1,500.00	1,487.46	2,850.54	2,756.54	7.34	27.80	-31.86	-962.40	5,009.48	5,133.21	5,105.67	27.54	186.413		
1,600.00	1,586.03	2,995.29	2,893.67	7.77	29.70	-31.68	-983.51	4,968.18	5,093.55	5,064.41	29.14	174.799		
1,700.00	1,684.61	3,141.10	3,031.13	8.22	31.76	-31.48	-1,005.42	4,924.77	5,052.70	5,021.87	30.83	163.900		
1,800.00	1,783.18	3,227.82	3,112.86	8.66	32.99	-31.37	-1,017.54	4,898.45	5,011.22	4,979.21	32.01	156.568		
1,900.00	1,881.75	3,275.20	3,157.69	9.11	33.64	-31.32	-1,023.79	4,884.45	4,970.40	4,937.54	32.85	151.289		
2,000.00	1,980.32	2,000.00	3,254.26	9.57	16.30	-31.19	-1,037.85	4,854.52	4,929.88	4,907.69	22.19	222.158		
2,100.00	2,078.89	3,450.14	3,322.99	10.02	36.04	-31.09	-1,048.69	4,832.90	4,889.24	4,853.98	35.26	138.680		
2,200.00	2,177.46	3,500.00	3,370.18	10.49	36.73	-31.01	-1,056.04	4,818.59	4,849.43	4,813.25	36.18	134.036		
2,300.00	2,276.03	3,627.20	3,491.11	10.95	38.32	-30.88	-1,070.93	4,782.13	4,809.16	4,771.60	37.56	128.038		
2,400.00	2,374.60	4,156.19	3,983.42	11.41	47.61	-30.13	-1,139.70	4,603.46	4,761.94	4,719.23	42.70	111.514		
2,500.00	2,473.17	4,200.00	4,023.33	11.88	48.59	-30.04	-1,146.79	4,586.82	4,713.91	4,670.12	43.79	107.657		
2,600.00	2,571.74	4,245.40	4,064.88	12.35	49.50	-29.95	-1,153.91	4,569.99	4,666.70	4,621.85	44.84	104.068		
2,700.00	2,670.31	4,300.00	4,115.33	12.82	50.59	-29.85	-1,161.98	4,550.73	4,620.70	4,574.71	46.00	100.455		
2,800.00	2,768.88	4,354.49	4,165.90	13.29	51.59	-29.76	-1,169.65	4,531.94	4,575.38	4,528.28	47.10	97.140		
2,900.00	2,867.45	4,455.90	4,259.84	13.76	53.48	-29.58	-1,183.89	4,496.48	4,529.82	4,481.16	48.67	93.081		
3,000.00	2,966.02	4,500.00	4,300.54	14.24	54.32	-29.49	-1,190.76	4,480.98	4,484.53	4,434.81	49.73	90.185		
3,100.00	3,064.59	4,560.74	4,356.65	14.71	55.45	-29.36	-1,200.82	4,460.00	4,439.92	4,388.93	50.99	87.079		
3,200.00	3,163.16	4,600.00	4,393.03	15.19	56.18	-29.27	-1,207.60	4,446.87	4,396.37	4,344.33	52.04	84.483		
3,300.00	3,261.73	4,650.45	4,439.88	15.66	57.04	-29.15	-1,216.55	4,430.46	4,353.76	4,300.56	53.20	81.837		
3,400.00	3,360.30	4,700.00	4,486.01	16.14	57.88	-29.03	-1,225.59	4,414.79	4,312.07	4,257.71	54.36	79.323		
3,500.00	3,458.87	4,743.27	4,526.47	16.62	58.52	-28.93	-1,233.31	4,401.56	4,271.33	4,215.92	55.41	77.086		
3,600.00	3,557.44	4,800.00	4,579.92	17.10	59.36	-28.81	-1,242.66	4,384.98	4,231.62	4,175.04	56.58	74.789		
3,700.00	3,656.01	4,843.68	4,621.34	17.58	59.90	-28.73	-1,249.17	4,372.74	4,192.79	4,135.24	57.55	72.860		
3,800.00	3,754.58	4,900.00	4,675.06	18.06	60.60	-28.65	-1,256.55	4,357.54	4,154.77	4,096.17	58.60	70.906		
3,900.00	3,853.15	4,935.65	4,709.28	18.54	60.94	-28.60	-1,260.67	4,348.40	4,117.80	4,058.38	59.43	69.292		
4,000.00	3,951.72	4,970.66	4,743.07	19.02	61.27	-28.56	-1,264.33	4,340.01	4,082.16	4,021.91	60.25	67.757		
4,100.00	4,050.29	5,015.82	4,786.89	19.50	61.67	-28.52	-1,268.53	4,329.96	4,047.84	3,986.75	61.09	66.255		
4,200.00	4,148.86	5,108.09	4,876.58	19.98	62.40	-28.45	-1,276.78	4,309.88	4,014.02	3,951.91	62.10	64.635		
4,300.00	4,247.43	5,150.64	4,918.03	20.46	62.69	-28.42	-1,280.36	4,301.00	3,980.88	3,917.99	62.88	63.306		
4,400.00	4,346.00	5,200.00	4,966.29	20.94	63.03	-28.39	-1,284.16	4,291.35	3,948.87	3,885.19	63.68	62.008		
4,500.00	4,444.58	5,237.29	5,002.87	21.43	63.23	-28.37	-1,286.78	4,284.59	3,918.10	3,853.70	64.40	60.843		
4,600.00	4,543.15	5,300.00	5,064.64	21.91	63.56	-28.36	-1,290.67	4,274.50	3,888.85	3,823.68	65.17	59.673		
4,700.00	4,641.72	5,300.00	5,064.64	22.39	63.56	-28.36	-1,290.67	4,274.50	3,860.75	3,795.00	65.75	58.717		
4,800.00	4,740.29	5,362.33	5,126.28	22.87	63.79	-28.36	-1,293.95	4,265.91	3,833.93	3,767.48	66.46	57.691		
4,900.00	4,838.86	5,400.00	5,163.64	23.36	63.93	-28.36	-1,295.67	4,261.37	3,808.55	3,741.46	67.09	56.766		
5,000.00	4,937.43	5,461.52	5,224.76	23.84	64.11	-28.38	-1,298.10	4,254.82	3,784.32	3,716.58	67.74	55.862		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,516.53	5,279.50	24.32	64.26	-28.40	-1,299.88	4,249.73	3,761.22	3,692.85	68.37	55.015		
5,200.00	5,134.57	5,574.64	5,337.40	24.81	64.39	-28.44	-1,301.53	4,245.04	3,739.17	3,670.19	68.98	54.209		
5,300.00	5,233.14	5,632.99	5,395.60	25.29	64.52	-28.47	-1,303.01	4,241.00	3,718.15	3,648.58	69.57	53.442		
5,400.00	5,331.71	5,700.00	5,462.47	25.78	64.65	-28.52	-1,304.56	4,237.16	3,698.18	3,628.01	70.17	52.700		
5,500.00	5,430.28	5,744.44	5,506.86	26.26	64.73	-28.56	-1,305.41	4,235.17	3,679.30	3,608.58	70.71	52.031		
5,600.00	5,528.85	5,800.00	5,562.39	26.75	64.83	-28.61	-1,306.08	4,233.46	3,661.67	3,590.41	71.26	51.385		
5,700.00	5,627.42	5,875.36	5,637.73	27.23	64.95	-28.70	-1,306.58	4,231.90	3,644.96	3,573.13	71.83	50.745		
5,800.00	5,725.99	5,952.65	5,715.02	27.72	65.08	-28.79	-1,306.92	4,230.74	3,628.77	3,556.37	72.40	50.122		
5,900.00	5,824.56	6,035.48	5,797.84	28.20	65.21	-28.89	-1,307.22	4,230.01	3,613.17	3,540.19	72.98	49.511		
6,000.00	5,923.13	6,127.89	5,890.25	28.69	65.36	-29.00	-1,307.55	4,229.40	3,597.80	3,524.22	73.58	48.898		
6,100.00	6,021.70	6,215.95	5,978.30	29.17	65.51	-29.11	-1,307.89	4,229.03	3,582.69	3,508.52	74.17	48.304		
6,200.00	6,120.27	6,305.21	6,067.56	29.66	65.65	-29.23	-1,308.28	4,228.92	3,567.89	3,493.12	74.76	47.722		
6,238.51	6,158.23	6,344.65	6,107.00	29.84	65.72	-29.28	-1,308.47	4,228.90	3,562.23	3,487.22	75.01	47.492		
6,250.00	6,169.57	6,356.42	6,118.78	29.90	65.74	-33.74	-1,308.52	4,228.89	3,560.64	3,485.56	75.08	47.426		
6,300.00	6,219.12	6,407.90	6,170.25	30.13	65.83	-62.86	-1,308.75	4,228.85	3,556.04	3,480.66	75.38	47.176		
6,334.82	6,253.71	6,440.42	6,202.77	30.27	65.88	-89.87	-1,308.88	4,228.82	3,555.10	3,479.54	75.57	47.046 CC, ES		
6,350.00	6,268.78	6,454.85	6,217.20	30.33	65.91	-100.67	-1,308.93	4,228.82	3,555.28	3,479.63	75.65	46.998		
6,400.00	6,318.25	6,502.22	6,264.57	30.52	65.99	-125.49	-1,309.06	4,228.83	3,558.39	3,482.50	75.89	46.890		
6,450.00	6,367.22	6,544.14	6,306.49	30.69	66.06	-138.16	-1,309.14	4,228.90	3,565.38	3,489.29	76.09	46.858 SF		
6,500.00	6,415.39	6,585.54	6,347.89	30.86	66.13	-145.06	-1,309.21	4,229.06	3,576.25	3,499.99	76.27	46.892		
6,550.00	6,462.47	6,630.82	6,393.17	31.02	66.21	-149.19	-1,309.28	4,229.29	3,590.91	3,514.48	76.43	46.984		
6,600.00	6,508.16	6,677.40	6,439.75	31.18	66.29	-151.81	-1,309.37	4,229.52	3,609.19	3,532.62	76.58	47.133		
6,650.00	6,552.18	6,723.73	6,486.08	31.34	66.37	-153.49	-1,309.46	4,229.73	3,630.98	3,554.28	76.70	47.339		
6,700.00	6,594.26	6,769.44	6,531.79	31.51	66.46	-154.54	-1,309.50	4,229.91	3,656.13	3,579.32	76.81	47.599		
6,750.00	6,634.14	6,812.78	6,575.12	31.68	66.53	-155.12	-1,309.48	4,230.04	3,684.48	3,607.58	76.90	47.914		
6,800.00	6,671.58	6,839.89	6,602.24	31.86	66.58	-155.20	-1,309.51	4,230.16	3,715.96	3,639.03	76.93	48.304		
6,850.00	6,706.34	6,867.98	6,630.33	32.06	66.63	-154.90	-1,309.60	4,230.32	3,750.38	3,673.43	76.95	48.737		
6,900.00	6,738.21	6,893.65	6,655.99	32.27	66.68	-154.18	-1,309.73	4,230.50	3,787.51	3,710.55	76.96	49.215		
6,950.00	6,766.99	6,900.00	6,662.35	32.52	66.69	-152.81	-1,309.77	4,230.55	3,827.16	3,750.26	76.90	49.767		
7,000.00	6,792.51	6,900.00	6,662.35	32.80	66.69	-150.71	-1,309.77	4,230.55	3,869.15	3,792.33	76.82	50.366		
7,050.00	6,814.61	6,900.00	6,662.35	33.12	66.69	-147.64	-1,309.77	4,230.55	3,913.16	3,836.43	76.74	50.996		
7,100.00	6,833.15	6,900.00	6,662.35	33.48	66.69	-143.17	-1,309.77	4,230.55	3,958.86	3,882.21	76.65	51.649		
7,150.00	6,848.02	6,900.00	6,662.35	33.89	66.69	-136.44	-1,309.77	4,230.55	4,005.90	3,929.34	76.57	52.319		
7,200.00	6,859.13	6,900.00	6,662.35	34.35	66.69	-126.02	-1,309.77	4,230.55	4,053.97	3,977.48	76.49	52.999		
7,250.00	6,866.40	6,900.00	6,662.35	34.86	66.69	-109.78	-1,309.77	4,230.55	4,102.73	4,026.30	76.42	53.683		
7,300.00	6,869.79	6,900.00	6,662.35	35.40	66.69	-86.95	-1,309.77	4,230.55	4,151.86	4,075.49	76.37	54.365		
7,327.68	6,870.00	6,900.00	6,662.35	35.71	66.69	-73.13	-1,309.77	4,230.55	4,179.10	4,102.76	76.34	54.740		
7,400.00	6,868.97	6,900.00	6,662.35	36.61	66.69	-73.13	-1,309.77	4,230.55	4,250.28	4,173.99	76.29	55.714		
7,500.00	6,867.54	6,900.00	6,662.35	38.01	66.69	-73.13	-1,309.77	4,230.55	4,348.77	4,272.55	76.22	57.058		
7,600.00	6,866.12	6,900.00	6,662.35	39.58	66.69	-73.13	-1,309.77	4,230.55	4,447.32	4,371.17	76.16	58.398		
7,700.00	6,864.69	6,900.00	6,662.35	41.29	66.69	-73.13	-1,309.77	4,230.55	4,545.94	4,469.84	76.10	59.734		
7,800.00	6,863.27	6,900.00	6,662.35	43.12	66.69	-73.13	-1,309.77	4,230.55	4,644.61	4,568.56	76.06	61.067		
7,900.00	6,861.85	6,900.00	6,662.35	45.06	66.69	-73.13	-1,309.77	4,230.55	4,743.35	4,667.33	76.02	62.397		
8,000.00	6,860.42	6,900.00	6,662.35	47.10	66.69	-73.13	-1,309.77	4,230.55	4,842.13	4,766.14	75.99	63.724		
8,100.00	6,859.00	6,900.00	6,662.35	49.21	66.69	-73.13	-1,309.77	4,230.55	4,940.96	4,865.00	75.96	65.047		
8,200.00	6,857.57	6,900.00	6,662.35	51.40	66.69	-73.13	-1,309.77	4,230.55	5,039.84	4,963.90	75.94	66.368		
8,300.00	6,856.15	6,900.00	6,662.35	53.65	66.69	-73.13	-1,309.77	4,230.55	5,138.76	5,062.84	75.92	67.685		
8,400.00	6,854.72	6,900.00	6,662.35	55.96	66.69	-73.13	-1,309.77	4,230.55	5,237.73	5,161.82	75.91	69.000		
8,500.00	6,853.30	6,900.00	6,662.35	58.31	66.69	-73.13	-1,309.77	4,230.55	5,336.73	5,260.83	75.90	70.312		
8,600.00	6,851.88	6,900.00	6,662.35	60.70	66.69	-73.13	-1,309.77	4,230.55	5,435.77	5,359.87	75.90	71.621		
8,700.00	6,850.45	6,900.00	6,662.35	63.14	66.69	-73.13	-1,309.77	4,230.55	5,534.84	5,458.94	75.90	72.927		
8,800.00	6,849.03	6,900.00	6,662.35	65.60	66.69	-73.13	-1,309.77	4,230.55	5,633.94	5,558.05	75.90	74.230		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,900.00	6,662.35	68.10	66.69	-73.13	-1,309.77	4,230.55	5,733.08	5,657.18	75.90	75.531		
9,000.00	6,846.18	6,900.00	6,662.35	70.62	66.69	-73.13	-1,309.77	4,230.55	5,832.25	5,756.33	75.91	76.829		
9,100.00	6,844.75	6,900.00	6,662.35	73.17	66.69	-73.13	-1,309.77	4,230.55	5,931.44	5,855.52	75.92	78.124		
9,200.00	6,843.33	6,900.00	6,662.35	75.73	66.69	-73.13	-1,309.77	4,230.55	6,030.66	5,954.72	75.94	79.416		
9,300.00	6,841.91	6,900.00	6,662.35	78.32	66.69	-73.13	-1,309.77	4,230.55	6,129.91	6,053.95	75.95	80.706		
9,400.00	6,840.48	6,900.00	6,662.35	80.92	66.69	-73.13	-1,309.77	4,230.55	6,229.18	6,153.21	75.97	81.993		
9,500.00	6,839.06	6,900.00	6,662.35	83.54	66.69	-73.13	-1,309.77	4,230.55	6,328.47	6,252.48	75.99	83.278		
9,600.00	6,837.63	6,900.00	6,662.35	86.18	66.69	-73.13	-1,309.77	4,230.55	6,427.78	6,351.77	76.01	84.560		
9,700.00	6,836.21	6,900.00	6,662.35	88.82	66.69	-73.13	-1,309.77	4,230.55	6,527.12	6,451.08	76.04	85.839		
9,800.00	6,834.78	6,900.00	6,662.35	91.48	66.69	-73.13	-1,309.77	4,230.55	6,626.48	6,550.41	76.07	87.115		
9,900.00	6,833.36	6,900.00	6,662.35	94.15	66.69	-73.13	-1,309.77	4,230.55	6,725.85	6,649.76	76.09	88.389		
10,000.00	6,831.94	6,900.00	6,662.35	96.83	66.69	-73.13	-1,309.77	4,230.55	6,825.24	6,749.12	76.12	89.661		
10,100.00	6,830.51	6,900.00	6,662.35	99.52	66.69	-73.13	-1,309.77	4,230.55	6,924.66	6,848.50	76.15	90.929		
10,200.00	6,829.09	6,900.00	6,662.35	102.22	66.69	-73.13	-1,309.77	4,230.55	7,024.08	6,947.90	76.19	92.195		
10,300.00	6,827.66	6,900.00	6,662.35	104.92	66.69	-73.13	-1,309.77	4,230.55	7,123.53	7,047.31	76.22	93.458		
10,400.00	6,826.24	6,900.00	6,662.35	107.63	66.69	-73.13	-1,309.77	4,230.55	7,222.99	7,146.73	76.26	94.719		
10,500.00	6,824.81	6,900.00	6,662.35	110.35	66.69	-73.13	-1,309.77	4,230.55	7,322.46	7,246.16	76.29	95.976		
10,600.00	6,823.39	6,900.00	6,662.35	113.08	66.69	-73.13	-1,309.77	4,230.55	7,421.95	7,345.61	76.33	97.232		
10,700.00	6,821.96	6,900.00	6,662.35	115.81	66.69	-73.13	-1,309.77	4,230.55	7,521.45	7,445.08	76.37	98.484		
10,800.00	6,820.54	6,900.00	6,662.35	118.54	66.69	-73.13	-1,309.77	4,230.55	7,620.96	7,544.55	76.41	99.734		
10,900.00	6,819.12	6,900.00	6,662.35	121.29	66.69	-73.13	-1,309.77	4,230.55	7,720.49	7,644.03	76.46	100.980		
11,000.00	6,817.69	6,900.00	6,662.35	124.03	66.69	-73.13	-1,309.77	4,230.55	7,820.03	7,743.53	76.50	102.224		
11,100.00	6,816.27	6,900.00	6,662.35	126.78	66.69	-73.13	-1,309.77	4,230.55	7,919.58	7,843.04	76.54	103.466		
11,200.00	6,814.84	6,900.00	6,662.35	129.54	66.69	-73.13	-1,309.77	4,230.55	8,019.14	7,942.55	76.59	104.704		
11,300.00	6,813.42	6,900.00	6,662.35	132.29	66.69	-73.13	-1,309.77	4,230.55	8,118.71	8,042.08	76.64	105.940		
11,400.00	6,811.99	6,900.00	6,662.35	135.05	66.69	-73.13	-1,309.77	4,230.55	8,218.30	8,141.61	76.68	107.173		
11,500.00	6,810.57	6,900.00	6,662.35	137.82	66.69	-73.13	-1,309.77	4,230.55	8,317.89	8,241.16	76.73	108.403		
11,534.42	6,810.08	6,900.00	6,662.35	138.77	66.69	-73.13	-1,309.77	4,230.55	8,352.17	8,275.43	76.75	108.825		
11,600.00	6,809.15	6,900.00	6,662.35	140.59	66.69	-67.47	-1,309.77	4,230.55	8,417.55	8,340.77	76.78	109.631		
11,645.35	6,808.50	6,900.00	6,662.35	141.85	66.69	-60.87	-1,309.77	4,230.55	8,462.82	8,386.02	76.80	110.188		
11,700.00	6,807.72	6,900.00	6,662.35	143.37	66.69	-60.87	-1,309.77	4,230.55	8,517.39	8,440.56	76.83	110.859		
11,800.00	6,806.30	6,900.00	6,662.35	146.16	66.69	-60.87	-1,309.77	4,230.55	8,617.26	8,540.38	76.88	112.086		
11,900.00	6,804.88	6,900.00	6,662.35	148.94	66.69	-60.87	-1,309.77	4,230.55	8,717.13	8,640.20	76.93	113.310		
12,000.00	6,803.45	6,900.00	6,662.35	151.74	66.69	-60.87	-1,309.77	4,230.55	8,817.00	8,740.02	76.98	114.531		
12,100.00	6,802.03	6,900.00	6,662.35	154.53	66.69	-60.87	-1,309.77	4,230.55	8,916.87	8,839.84	77.04	115.749		
12,200.00	6,800.61	6,900.00	6,662.35	157.32	66.69	-60.87	-1,309.77	4,230.55	9,016.75	8,939.66	77.09	116.965		
12,300.00	6,799.18	6,900.00	6,662.35	160.12	66.69	-60.87	-1,309.77	4,230.55	9,116.63	9,039.49	77.14	118.177		
12,400.00	6,797.76	6,900.00	6,662.35	162.92	66.69	-60.87	-1,309.77	4,230.55	9,216.51	9,139.31	77.20	119.387		
12,500.00	6,796.34	6,900.00	6,662.35	165.72	66.69	-60.87	-1,309.77	4,230.55	9,316.40	9,239.14	77.25	120.593		
12,600.00	6,794.92	6,900.00	6,662.35	168.53	66.69	-60.87	-1,309.77	4,230.55	9,416.28	9,338.97	77.31	121.797		
12,700.00	6,793.49	6,900.00	6,662.35	171.33	66.69	-60.87	-1,309.77	4,230.55	9,516.17	9,438.80	77.37	122.997		
12,800.00	6,792.07	6,900.00	6,662.35	174.14	66.69	-60.87	-1,309.77	4,230.55	9,616.07	9,538.64	77.43	124.195		
12,900.00	6,790.65	6,900.00	6,662.35	176.95	66.69	-60.87	-1,309.77	4,230.55	9,715.96	9,638.47	77.49	125.389		
13,000.00	6,789.22	6,900.00	6,662.35	179.76	66.69	-60.87	-1,309.77	4,230.55	9,815.86	9,738.31	77.55	126.581		
13,100.00	6,787.80	6,900.00	6,662.35	182.57	66.69	-60.87	-1,309.77	4,230.55	9,915.75	9,838.15	77.61	127.769		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
0.00	0.00	0.00	0.00	3.28	3.28	80.86	83.80	521.12	527.86					
100.00	100.00	100.52	100.52	3.28	3.29	80.88	83.55	520.43	527.15	520.57	6.57	80.198		
200.00	200.00	203.50	203.48	3.34	3.34	80.90	83.06	518.65	525.36	518.69	6.67	78.716		
300.00	300.00	302.51	302.47	3.44	3.44	80.96	82.22	516.64	523.23	516.34	6.89	75.979		
400.00	399.98	400.61	400.55	3.60	3.60	-49.29	81.66	515.34	520.68	513.49	7.19	72.404		
500.00	499.84	504.02	503.95	3.79	3.80	-49.83	81.37	513.51	515.49	507.90	7.59	67.885		
600.00	599.45	607.48	607.37	4.03	4.06	-50.77	81.22	510.86	507.37	499.29	8.08	62.805		
700.00	698.70	705.42	705.27	4.30	4.32	-52.07	81.23	507.89	496.76	488.14	8.62	57.662		
785.00	782.69	791.35	791.16	4.56	4.58	-53.41	80.19	505.65	486.39	477.27	9.13	53.287		
800.00	797.47	806.87	806.67	4.60	4.63	-53.64	79.90	505.20	484.39	475.16	9.22	52.509		
900.00	896.04	901.34	901.08	4.94	4.93	-55.06	78.07	502.59	471.33	461.48	9.85	47.832		
1,000.00	994.61	996.64	996.36	5.30	5.25	-56.62	76.79	500.80	459.60	449.07	10.53	43.659		
1,100.00	1,093.18	1,097.73	1,097.43	5.69	5.61	-58.38	75.70	498.91	448.34	437.09	11.25	39.837		
1,200.00	1,191.75	1,203.72	1,203.35	6.08	6.00	-60.41	74.76	495.42	436.24	424.22	12.03	36.274		
1,300.00	1,290.32	1,289.47	1,289.04	6.49	6.32	-62.22	74.43	492.23	424.54	411.79	12.75	33.291		
1,400.00	1,388.89	1,379.96	1,379.51	6.91	6.65	-64.34	76.15	491.38	416.72	403.22	13.50	30.863		
1,500.00	1,487.46	1,470.84	1,470.32	7.34	6.97	-66.70	79.53	491.24	411.13	396.86	14.26	28.823		
1,600.00	1,586.03	1,570.08	1,569.38	7.77	7.34	-69.61	85.50	491.03	407.45	392.38	15.07	27.033		
1,700.00	1,684.61	1,662.13	1,661.19	8.22	7.69	-72.51	92.03	490.35	404.98	389.12	15.87	25.524		
1,728.48	1,712.68	1,687.21	1,686.16	8.34	7.78	-73.37	94.38	490.13	404.83	388.74	16.09	25.160 CC, ES		
1,800.00	1,783.18	1,747.85	1,746.45	8.66	8.01	-75.51	100.87	490.09	405.95	389.31	16.64	24.401		
1,900.00	1,881.75	1,843.18	1,841.07	9.11	8.38	-78.91	112.49	490.90	410.41	392.96	17.46	23.510		
2,000.00	1,980.32	1,936.78	1,933.86	9.57	8.76	-82.34	124.75	490.85	416.42	398.15	18.28	22.785		
2,100.00	2,078.89	2,032.97	2,028.91	10.02	9.17	-86.05	139.43	489.64	424.80	405.69	19.12	22.222		
2,200.00	2,177.46	2,129.97	2,124.77	10.49	9.59	-89.69	154.12	487.92	434.61	414.65	19.97	21.768		
2,300.00	2,276.03	2,229.42	2,223.11	10.95	10.04	-93.26	168.83	485.78	445.67	424.84	20.84	21.391		
2,400.00	2,374.60	2,328.39	2,321.02	11.41	10.48	-96.68	182.93	482.89	457.52	435.82	21.70	21.082		
2,500.00	2,473.17	2,426.92	2,418.52	11.88	10.93	-99.97	196.67	479.22	470.27	447.71	22.56	20.841		
2,600.00	2,571.74	2,522.94	2,513.53	12.35	11.38	-103.07	209.96	475.04	484.15	460.75	23.41	20.685		
2,700.00	2,670.31	2,622.22	2,611.76	12.82	11.85	-106.15	223.51	470.14	499.03	474.76	24.27	20.559		
2,800.00	2,768.88	2,718.85	2,707.36	13.29	12.30	-109.03	236.44	464.67	514.75	489.64	25.12	20.494		
2,900.00	2,867.45	2,816.11	2,803.58	13.76	12.77	-111.81	249.30	458.64	531.44	505.47	25.96	20.467		
3,000.00	2,966.02	2,913.04	2,899.47	14.24	13.24	-114.45	261.90	452.18	548.97	522.16	26.81	20.477		
3,100.00	3,064.59	3,009.49	2,994.89	14.71	13.70	-116.95	274.30	445.49	567.41	539.76	27.65	20.523		
3,200.00	3,163.16	3,106.59	3,091.00	15.19	14.17	-119.30	286.26	438.71	586.35	557.86	28.49	20.581		
3,300.00	3,261.73	3,190.42	3,173.98	15.66	14.58	-121.09	297.32	434.21	607.22	578.02	29.20	20.796		
3,400.00	3,360.30	3,288.18	3,270.69	16.14	15.06	-123.01	310.83	429.61	629.48	599.43	30.05	20.948		
3,500.00	3,458.87	3,388.22	3,369.72	16.62	15.56	-124.85	324.14	424.65	651.83	620.91	30.93	21.078		
3,600.00	3,557.44	3,484.12	3,464.67	17.10	16.03	-126.51	336.63	419.65	674.48	642.72	31.76	21.238		
3,700.00	3,656.01	3,584.73	3,564.34	17.58	16.52	-128.17	349.21	414.18	697.15	664.51	32.64	21.358		
3,800.00	3,754.58	3,680.99	3,659.76	18.06	16.99	-129.64	360.83	409.09	719.88	686.40	33.48	21.502		
3,900.00	3,853.15	3,775.82	3,753.71	18.54	17.46	-131.03	372.55	403.71	743.34	709.04	34.31	21.668		
4,000.00	3,951.72	3,895.22	3,872.19	19.02	18.04	-132.69	385.46	396.67	765.77	730.40	35.37	21.649		
4,100.00	4,050.29	4,027.41	4,003.82	19.50	18.65	-134.46	394.49	388.63	784.77	748.26	36.50	21.499		
4,200.00	4,148.86	4,169.38	4,145.64	19.98	19.24	-136.09	396.16	382.95	798.09	760.49	37.60	21.224		
4,300.00	4,247.43	4,267.02	4,243.21	20.46	19.62	-137.16	395.63	379.28	810.33	771.89	38.44	21.079		
4,400.00	4,346.00	4,374.09	4,350.23	20.94	20.04	-138.22	394.08	376.56	821.77	782.45	39.32	20.897		
4,500.00	4,444.58	4,470.50	4,446.59	21.43	20.42	-139.16	392.44	374.12	833.23	793.07	40.16	20.749		
4,600.00	4,543.15	4,564.08	4,540.14	21.91	20.79	-139.99	391.37	372.32	845.34	804.36	40.98	20.630		
4,700.00	4,641.72	4,657.92	4,633.97	22.39	21.15	-140.59	391.46	373.65	858.21	816.41	41.79	20.535		
4,800.00	4,740.29	4,751.79	4,727.83	22.87	21.52	-141.15	392.07	375.08	871.69	829.08	42.61	20.459		
4,900.00	4,838.86	4,846.03	4,822.05	23.36	21.89	-141.71	393.21	376.40	885.83	842.40	43.43	20.397		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	4,937.43	4,943.03	4,919.03	23.84	22.28	-142.27	394.68	377.50	900.41	856.14	44.27	20.338		
5,100.00	5,036.00	5,039.31	5,015.30	24.32	22.68	-142.83	396.17	378.35	915.16	870.05	45.11	20.286		
5,200.00	5,134.57	5,135.07	5,111.04	24.81	23.07	-143.38	397.93	378.73	930.39	884.43	45.95	20.246		
5,300.00	5,233.14	5,232.70	5,208.66	25.29	23.48	-143.95	399.79	378.90	945.83	899.02	46.81	20.206		
5,400.00	5,331.71	5,329.52	5,305.46	25.78	23.89	-144.51	401.66	378.73	961.46	913.80	47.66	20.172		
5,500.00	5,430.28	5,421.86	5,397.77	26.26	24.28	-145.05	403.63	378.22	977.50	929.01	48.49	20.160		
5,600.00	5,528.85	5,513.43	5,489.30	26.75	24.67	-145.59	406.17	377.03	994.40	945.10	49.30	20.169		
5,700.00	5,627.42	5,655.41	5,631.24	27.23	25.26	-146.37	408.82	376.26	1,010.73	960.29	50.44	20.039		
5,800.00	5,725.99	5,743.43	5,719.25	27.72	25.61	-146.79	408.51	377.04	1,024.27	973.04	51.23	19.995		
5,900.00	5,824.56	5,834.19	5,810.01	28.20	25.98	-147.23	408.97	377.40	1,038.82	986.79	52.04	19.963		
6,000.00	5,923.13	5,926.61	5,902.43	28.69	26.36	-147.69	409.91	377.23	1,054.10	1,001.24	52.86	19.940		
6,100.00	6,021.70	6,020.18	5,995.98	29.17	26.76	-148.16	411.19	376.54	1,069.96	1,016.26	53.70	19.924		
6,200.00	6,120.27	6,111.79	6,087.57	29.66	27.15	-148.63	412.77	375.39	1,086.39	1,031.87	54.52	19.925		
6,238.51	6,158.23	6,147.23	6,123.01	29.84	27.30	-148.81	413.52	374.85	1,092.90	1,038.06	54.84	19.929		
6,250.00	6,169.57	6,157.98	6,133.74	29.90	27.35	-153.44	413.75	374.67	1,094.84	1,039.90	54.94	19.929		
6,300.00	6,219.12	6,204.93	6,180.68	30.13	27.55	176.82	414.79	373.74	1,102.61	1,047.27	55.35	19.922		
6,350.00	6,268.78	6,270.87	6,246.59	30.33	27.83	138.68	416.01	372.41	1,109.11	1,053.23	55.88	19.848		
6,400.00	6,318.25	6,400.00	6,440.75	30.52	28.35	115.72	412.71	389.58	1,112.04	1,055.52	56.53	19.673		
6,450.00	6,367.22	6,574.21	6,542.34	30.69	28.91	105.88	407.33	422.81	1,107.79	1,050.64	57.14	19.386		
6,500.00	6,415.39	6,620.02	6,584.46	30.86	29.04	100.76	405.14	440.68	1,102.52	1,044.95	57.57	19.151		
6,550.00	6,462.47	6,678.21	6,636.24	31.02	29.20	99.12	402.66	467.07	1,096.85	1,038.86	58.00	18.912		
6,600.00	6,508.16	6,721.81	6,673.31	31.18	29.33	98.62	401.00	489.94	1,091.36	1,032.90	58.46	18.669		
6,650.00	6,552.18	6,738.17	6,687.15	31.34	29.36	97.75	400.48	498.64	1,087.08	1,028.12	58.95	18.440		
6,700.00	6,594.26	6,756.94	6,702.82	31.51	29.41	97.42	399.94	508.96	1,084.24	1,024.83	59.41	18.250		
6,750.00	6,634.14	6,771.67	6,715.05	31.68	29.45	97.13	399.56	517.17	1,083.15	1,023.30	59.84	18.100		
6,754.35	6,637.50	6,772.76	6,715.95	31.70	29.45	97.10	399.53	517.79	1,083.14	1,023.26	59.88	18.089		
6,800.00	6,671.58	6,782.52	6,724.01	31.86	29.48	96.74	399.31	523.29	1,083.96	1,023.71	60.25	17.992		
6,850.00	6,706.34	6,789.68	6,729.90	32.06	29.50	96.16	399.16	527.35	1,086.80	1,026.18	60.62	17.928		
6,900.00	6,738.21	6,793.36	6,732.92	32.27	29.51	95.36	399.08	529.45	1,091.71	1,030.74	60.97	17.906 SF		
6,950.00	6,766.99	6,793.77	6,733.26	32.52	29.51	94.31	399.07	529.69	1,098.67	1,037.38	61.29	17.925		
7,000.00	6,792.51	6,791.13	6,731.09	32.80	29.50	93.01	399.13	528.18	1,107.61	1,046.01	61.60	17.981		
7,050.00	6,814.61	6,785.64	6,726.58	33.12	29.49	91.45	399.24	525.06	1,118.41	1,056.51	61.89	18.070		
7,100.00	6,833.15	6,777.53	6,719.89	33.48	29.47	89.66	399.42	520.47	1,130.88	1,068.69	62.18	18.187		
7,150.00	6,848.02	6,766.98	6,711.16	33.89	29.44	87.67	399.68	514.55	1,144.82	1,082.35	62.47	18.326		
7,200.00	6,859.13	6,754.19	6,700.54	34.35	29.41	85.52	400.01	507.44	1,160.00	1,097.24	62.76	18.484		
7,250.00	6,866.40	6,739.35	6,688.14	34.86	29.37	83.25	400.45	499.28	1,176.17	1,113.12	63.05	18.654		
7,300.00	6,869.79	6,722.61	6,674.09	35.40	29.32	80.92	400.99	490.22	1,193.08	1,129.72	63.35	18.832		
7,327.68	6,870.00	6,712.60	6,665.64	35.71	29.30	79.61	401.34	484.85	1,202.66	1,139.14	63.52	18.932		
7,400.00	6,868.97	6,703.00	6,657.51	36.61	29.27	79.21	401.69	479.76	1,229.47	1,165.29	64.18	19.156		
7,500.00	6,867.54	6,664.13	6,623.93	38.01	29.16	77.58	403.23	460.25	1,271.12	1,206.29	64.82	19.609		
7,600.00	6,866.12	6,641.73	6,604.06	39.58	29.10	76.63	404.18	449.97	1,318.28	1,252.66	65.62	20.088		
7,700.00	6,864.69	6,607.00	6,572.56	41.29	29.01	75.14	405.73	435.44	1,370.63	1,304.38	66.25	20.689		
7,800.00	6,863.27	6,607.00	6,572.56	43.12	29.01	75.14	405.73	435.44	1,427.15	1,359.97	67.18	21.244		
7,900.00	6,861.85	6,579.22	6,546.97	45.06	28.92	73.95	407.08	424.71	1,487.82	1,420.05	67.76	21.956		
8,000.00	6,860.42	6,556.22	6,525.68	47.10	28.85	72.97	408.28	416.10	1,551.97	1,483.64	68.34	22.711		
8,100.00	6,859.00	6,534.46	6,505.45	49.21	28.79	72.06	409.49	408.18	1,619.24	1,550.38	68.86	23.514		
8,200.00	6,857.57	6,512.00	6,484.48	51.40	28.72	71.12	410.81	400.24	1,689.29	1,619.96	69.33	24.366		
8,300.00	6,856.15	6,512.00	6,484.48	53.65	28.72	71.12	410.81	400.24	1,761.98	1,692.07	69.91	25.205		
8,400.00	6,854.72	6,512.00	6,484.48	55.96	28.72	71.12	410.81	400.24	1,837.24	1,766.82	70.41	26.092		
8,500.00	6,853.30	6,512.00	6,484.48	58.31	28.72	71.12	410.81	400.24	1,914.76	1,843.91	70.85	27.024		
8,600.00	6,851.88	6,512.00	6,484.48	60.70	28.72	71.12	410.81	400.24	1,994.29	1,923.04	71.24	27.993		
8,700.00	6,850.45	6,474.78	6,449.10	63.14	28.60	69.56	412.80	388.89	2,074.00	2,002.61	71.39	29.052		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,849.03	6,469.30	6,443.81	65.60	28.58	69.33	413.05	387.50	2,156.35	2,084.67	71.68	30.084		
8,900.00	6,847.60	6,464.31	6,438.97	68.10	28.56	69.12	413.27	386.29	2,240.08	2,168.14	71.93	31.141		
9,000.00	6,846.18	6,459.76	6,434.55	70.62	28.54	68.93	413.45	385.24	2,325.04	2,252.87	72.16	32.220		
9,100.00	6,844.75	6,455.59	6,430.48	73.17	28.53	68.75	413.62	384.32	2,411.11	2,338.74	72.37	33.318		
9,200.00	6,843.33	6,417.00	6,392.48	75.73	28.40	67.12	414.80	377.82	2,499.61	2,427.24	72.37	34.537		
9,300.00	6,841.91	6,417.00	6,392.48	78.32	28.40	67.12	414.80	377.82	2,587.32	2,514.75	72.57	35.655		
9,400.00	6,840.48	6,417.00	6,392.48	80.92	28.40	67.12	414.80	377.82	2,675.89	2,603.15	72.74	36.788		
9,500.00	6,839.06	6,417.00	6,392.48	83.54	28.40	67.12	414.80	377.82	2,765.24	2,692.34	72.89	37.936		
9,600.00	6,837.63	6,417.00	6,392.48	86.18	28.40	67.12	414.80	377.82	2,855.29	2,782.26	73.03	39.096		
9,700.00	6,836.21	6,417.00	6,392.48	88.82	28.40	67.12	414.80	377.82	2,945.99	2,872.83	73.16	40.269		
9,800.00	6,834.78	6,417.00	6,392.48	91.48	28.40	67.12	414.80	377.82	3,037.27	2,963.99	73.27	41.452		
9,900.00	6,833.36	6,417.00	6,392.48	94.15	28.40	67.12	414.80	377.82	3,129.08	3,055.70	73.38	42.644		
10,000.00	6,831.94	6,417.00	6,392.48	96.83	28.40	67.12	414.80	377.82	3,221.38	3,147.91	73.47	43.845		
10,100.00	6,830.51	6,417.00	6,392.48	99.52	28.40	67.12	414.80	377.82	3,314.13	3,240.57	73.56	45.053		
10,200.00	6,829.09	6,417.00	6,392.48	102.22	28.40	67.12	414.80	377.82	3,407.29	3,333.64	73.64	46.268		
10,300.00	6,827.66	6,417.00	6,392.48	104.92	28.40	67.12	414.80	377.82	3,500.82	3,427.10	73.72	47.489		
10,400.00	6,826.24	6,417.00	6,392.48	107.63	28.40	67.12	414.80	377.82	3,594.71	3,520.92	73.79	48.716		
10,500.00	6,824.81	6,417.00	6,392.48	110.35	28.40	67.12	414.80	377.82	3,688.91	3,615.06	73.85	49.948		
10,600.00	6,823.39	6,417.00	6,392.48	113.08	28.40	67.12	414.80	377.82	3,783.41	3,709.49	73.92	51.184		
10,700.00	6,821.96	6,417.00	6,392.48	115.81	28.40	67.12	414.80	377.82	3,878.19	3,804.21	73.98	52.425		
10,800.00	6,820.54	6,417.00	6,392.48	118.54	28.40	67.12	414.80	377.82	3,973.22	3,899.19	74.03	53.668		
10,900.00	6,819.12	6,417.00	6,392.48	121.29	28.40	67.12	414.80	377.82	4,068.50	3,994.41	74.09	54.915		
11,000.00	6,817.69	6,417.00	6,392.48	124.03	28.40	67.12	414.80	377.82	4,163.99	4,089.85	74.14	56.165		
11,100.00	6,816.27	6,417.00	6,392.48	126.78	28.40	67.12	414.80	377.82	4,259.69	4,185.50	74.19	57.417		
11,200.00	6,814.84	6,417.00	6,392.48	129.54	28.40	67.12	414.80	377.82	4,355.59	4,281.35	74.24	58.672		
11,300.00	6,813.42	6,417.00	6,392.48	132.29	28.40	67.12	414.80	377.82	4,451.66	4,377.38	74.28	59.928		
11,400.00	6,811.99	6,417.00	6,392.48	135.05	28.40	67.12	414.80	377.82	4,547.90	4,473.58	74.33	61.186		
11,500.00	6,810.57	6,417.00	6,392.48	137.82	28.40	67.12	414.80	377.82	4,644.31	4,569.93	74.37	62.446		
11,534.42	6,810.08	6,417.00	6,392.48	138.77	28.40	67.12	414.80	377.82	4,677.53	4,603.14	74.39	62.880		
11,600.00	6,809.15	6,417.00	6,392.48	140.59	28.40	68.89	414.80	377.82	4,740.67	4,666.26	74.42	63.704		
11,645.35	6,808.50	6,417.00	6,392.48	141.85	28.40	69.98	414.80	377.82	4,784.16	4,709.73	74.44	64.271		
11,700.00	6,807.72	6,417.00	6,392.48	143.37	28.40	69.98	414.80	377.82	4,836.49	4,762.03	74.46	64.952		
11,800.00	6,806.30	6,417.00	6,392.48	146.16	28.40	69.98	414.80	377.82	4,932.39	4,857.88	74.51	66.200		
11,900.00	6,804.88	6,417.00	6,392.48	148.94	28.40	69.98	414.80	377.82	5,028.44	4,953.88	74.55	67.448		
12,000.00	6,803.45	6,417.00	6,392.48	151.74	28.40	69.98	414.80	377.82	5,124.64	5,050.04	74.60	68.698		
12,100.00	6,802.03	6,417.00	6,392.48	154.53	28.40	69.98	414.80	377.82	5,220.99	5,146.34	74.64	69.948		
12,200.00	6,800.61	6,417.00	6,392.48	157.32	28.40	69.98	414.80	377.82	5,317.47	5,242.78	74.68	71.199		
12,300.00	6,799.18	6,417.00	6,392.48	160.12	28.40	69.98	414.80	377.82	5,414.08	5,339.35	74.73	72.450		
12,400.00	6,797.76	6,417.00	6,392.48	162.92	28.40	69.98	414.80	377.82	5,510.80	5,436.03	74.77	73.702		
12,500.00	6,796.34	6,417.00	6,392.48	165.72	28.40	69.98	414.80	377.82	5,607.65	5,532.83	74.81	74.954		
12,600.00	6,794.92	6,417.00	6,392.48	168.53	28.40	69.98	414.80	377.82	5,704.60	5,629.74	74.86	76.206		
12,700.00	6,793.49	6,417.00	6,392.48	171.33	28.40	69.98	414.80	377.82	5,801.66	5,726.76	74.90	77.458		
12,800.00	6,792.07	6,417.00	6,392.48	174.14	28.40	69.98	414.80	377.82	5,898.81	5,823.87	74.94	78.710		
12,900.00	6,790.65	6,417.00	6,392.48	176.95	28.40	69.98	414.80	377.82	5,996.06	5,921.07	74.99	79.961		
13,000.00	6,789.22	6,417.00	6,392.48	179.76	28.40	69.98	414.80	377.82	6,093.40	6,018.37	75.03	81.212		
13,100.00	6,787.80	6,417.00	6,392.48	182.57	28.40	69.98	414.80	377.82	6,190.82	6,115.75	75.07	82.463		
13,200.00	6,786.38	6,417.00	6,392.48	185.38	28.40	69.98	414.80	377.82	6,288.32	6,213.21	75.12	83.712		
13,300.00	6,784.95	6,417.00	6,392.48	188.20	28.40	69.98	414.80	377.82	6,385.90	6,310.74	75.16	84.961		
13,400.00	6,783.53	6,417.00	6,392.48	191.01	28.40	69.98	414.80	377.82	6,483.56	6,408.35	75.21	86.209		
13,500.00	6,782.11	6,375.64	6,351.31	193.83	28.24	68.42	415.58	373.89	6,580.10	6,504.93	75.17	87.535		
13,600.00	6,780.68	6,374.74	6,350.41	196.65	28.24	68.38	415.60	373.83	6,677.84	6,602.63	75.22	88.783		
13,700.00	6,779.26	6,373.86	6,349.54	199.47	28.24	68.35	415.61	373.77	6,775.65	6,700.39	75.26	90.030		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	
13,800.00	6,777.84	6,373.01	6,348.69	202.29	28.23	68.32	415.62	373.71	6,873.52	6,798.21	75.30	91.276	
13,900.00	6,776.42	6,372.19	6,347.87	205.11	28.23	68.29	415.63	373.66	6,971.44	6,896.09	75.35	92.520	
14,000.00	6,774.99	6,371.38	6,347.07	207.93	28.23	68.25	415.64	373.61	7,069.43	6,994.03	75.40	93.763	
14,100.00	6,773.57	6,370.60	6,346.28	210.76	28.22	68.23	415.66	373.56	7,167.47	7,092.02	75.44	95.004	
14,200.00	6,772.15	6,369.83	6,345.52	213.58	28.22	68.20	415.67	373.51	7,265.56	7,190.07	75.49	96.244	
14,300.00	6,770.72	6,369.09	6,344.78	216.40	28.22	68.17	415.68	373.47	7,363.70	7,288.16	75.54	97.483	
14,400.00	6,769.30	6,368.36	6,344.05	219.23	28.22	68.14	415.69	373.42	7,461.89	7,386.31	75.59	98.719	
14,500.00	6,767.88	6,367.65	6,343.34	222.06	28.21	68.11	415.70	373.38	7,560.13	7,484.50	75.64	99.954	
14,600.00	6,766.45	6,366.96	6,342.65	224.89	28.21	68.09	415.71	373.34	7,658.41	7,582.73	75.69	101.188	
14,700.00	6,765.03	6,366.29	6,341.98	227.71	28.21	68.06	415.72	373.31	7,756.74	7,681.01	75.74	102.419	
14,800.00	6,763.61	6,365.63	6,341.33	230.54	28.21	68.04	415.72	373.27	7,855.11	7,779.32	75.79	103.649	
14,900.00	6,762.19	6,364.99	6,340.68	233.37	28.20	68.01	415.73	373.23	7,953.52	7,877.68	75.84	104.876	
15,000.00	6,760.76	6,364.36	6,340.06	236.20	28.20	67.99	415.74	373.20	8,051.96	7,976.07	75.89	106.102	
15,100.00	6,759.34	6,322.00	6,297.72	239.03	28.04	66.42	416.13	372.07	8,151.64	8,075.79	75.85	107.468	
15,200.00	6,757.92	6,322.00	6,297.72	241.86	28.04	66.42	416.13	372.07	8,250.12	8,174.22	75.91	108.688	
15,300.00	6,756.49	6,322.00	6,297.72	244.70	28.04	66.42	416.13	372.07	8,348.65	8,272.68	75.96	109.906	
15,334.64	6,756.00	6,322.00	6,297.72	245.68	28.04	66.42	416.13	372.07	8,382.78	8,306.80	75.98	110.327	
15,335.52	6,755.99	6,322.00	6,297.72	245.70	28.04	66.42	416.13	372.07	8,383.65	8,307.67	75.98	110.338	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	84.06	53.93	518.05	520.90				
100.00	100.00	99.87	99.86	3.28	3.30	84.10	53.40	516.95	519.75	513.16	6.58	78.930	
200.00	200.00	200.97	200.95	3.34	3.38	84.17	52.62	515.67	518.41	511.69	6.71	77.214	
300.00	300.00	303.35	303.31	3.44	3.51	84.23	51.97	513.92	516.64	509.68	6.96	74.271	
400.00	399.98	403.64	403.58	3.60	3.69	-46.03	51.47	511.88	513.36	506.07	7.29	70.439	
500.00	499.84	510.48	510.39	3.79	3.93	-46.54	50.85	509.08	507.07	499.35	7.72	65.656	
600.00	599.45	614.72	614.54	4.03	4.20	-47.44	50.27	504.99	497.16	488.93	8.23	60.402	
700.00	698.70	708.11	707.86	4.30	4.47	-48.59	49.59	501.57	485.24	476.47	8.76	55.365	
785.00	782.69	794.11	793.81	4.56	4.74	-49.97	49.07	498.53	473.60	464.32	9.29	50.996	
800.00	797.47	807.87	807.56	4.60	4.79	-50.19	49.01	498.02	471.41	462.03	9.38	50.260	
900.00	896.04	899.92	899.57	4.94	5.09	-51.65	48.23	495.44	457.78	447.77	10.01	45.750	
1,000.00	994.61	997.69	997.31	5.30	5.43	-53.24	47.17	493.53	445.26	434.57	10.69	41.638	
1,100.00	1,093.18	1,101.77	1,101.34	5.69	5.80	-54.96	45.40	490.89	432.43	420.99	11.44	37.811	
1,200.00	1,191.75	1,203.48	1,202.96	6.08	6.18	-56.70	42.98	487.29	418.82	406.62	12.20	34.337	
1,300.00	1,290.32	1,302.03	1,301.40	6.49	6.56	-58.47	40.34	483.56	405.27	392.30	12.97	31.246	
1,400.00	1,388.89	1,399.37	1,398.65	6.91	6.94	-60.31	37.59	480.00	392.21	378.45	13.76	28.505	
1,500.00	1,487.46	1,494.23	1,493.43	7.34	7.32	-62.21	35.13	477.04	380.17	365.61	14.56	26.116	
1,600.00	1,586.03	1,589.42	1,588.57	7.77	7.70	-64.32	33.46	474.76	369.58	354.21	15.37	24.045	
1,700.00	1,684.61	1,696.76	1,695.82	8.22	8.14	-66.88	31.46	471.10	358.62	342.40	16.23	22.097	
1,800.00	1,783.18	1,802.90	1,801.74	8.66	8.58	-69.27	26.66	466.24	346.07	328.98	17.09	20.253	
1,900.00	1,881.75	1,904.64	1,903.02	9.11	9.01	-71.29	18.64	460.87	331.77	313.83	17.94	18.493	
2,000.00	1,980.32	1,998.20	1,996.18	9.57	9.42	-73.18	11.00	456.94	318.65	299.86	18.79	16.955	
2,100.00	2,078.89	2,100.22	2,097.82	10.02	9.86	-75.31	2.79	453.70	306.87	287.21	19.66	15.610	
2,200.00	2,177.46	2,202.35	2,199.34	10.49	10.31	-77.69	-6.75	448.05	292.84	272.32	20.53	14.267	
2,300.00	2,276.03	2,296.28	2,292.80	10.95	10.73	-80.05	-15.12	443.64	280.26	258.85	21.40	13.093	
2,400.00	2,374.60	2,390.85	2,386.97	11.41	11.14	-82.42	-23.33	440.92	269.73	247.45	22.28	12.105	
2,500.00	2,473.17	2,492.97	2,488.70	11.88	11.60	-85.16	-31.82	438.55	260.43	237.26	23.16	11.244	
2,600.00	2,571.74	2,593.42	2,588.68	12.35	12.05	-88.48	-40.26	433.54	249.85	225.81	24.04	10.392	
2,700.00	2,670.31	2,691.60	2,686.38	12.82	12.50	-91.94	-48.61	428.85	240.20	215.27	24.93	9.636	
2,800.00	2,768.88	2,788.61	2,782.95	13.29	12.94	-95.56	-56.82	424.55	231.75	205.94	25.81	8.978	
2,900.00	2,867.45	2,884.49	2,878.46	13.76	13.38	-99.20	-64.58	421.36	225.23	198.53	26.70	8.436	
3,000.00	2,966.02	2,987.60	2,981.17	14.24	13.85	-103.28	-73.05	418.08	219.72	192.15	27.57	7.969	
3,100.00	3,064.59	3,083.94	3,077.04	14.71	14.29	-107.54	-81.43	413.67	214.30	185.84	28.46	7.530	
3,200.00	3,163.16	3,178.96	3,171.71	15.19	14.73	-112.13	-88.10	409.05	211.68	182.35	29.34	7.216	
3,231.55	3,194.26	3,208.99	3,201.62	15.34	14.87	-113.77	-89.69	407.07	211.53	181.92	29.61	7.144 CC, ES	
3,300.00	3,261.73	3,274.60	3,267.03	15.66	15.17	-117.30	-92.88	402.99	212.21	182.00	30.21	7.026	
3,400.00	3,360.30	3,370.82	3,363.02	16.14	15.60	-122.26	-96.93	397.70	215.48	184.42	31.07	6.936	
3,500.00	3,458.87	3,472.47	3,464.45	16.62	16.06	-127.16	-101.54	392.69	220.15	188.19	31.96	6.889 SF	
3,600.00	3,557.44	3,566.34	3,558.10	17.10	16.48	-131.43	-105.81	388.25	226.28	193.48	32.80	6.899	
3,700.00	3,656.01	3,670.29	3,661.74	17.58	16.96	-136.23	-110.79	381.90	233.66	199.94	33.72	6.929	
3,800.00	3,754.58	3,768.95	3,759.92	18.06	17.42	-140.88	-117.10	374.51	241.13	206.52	34.61	6.967	
3,900.00	3,853.15	3,867.56	3,858.01	18.54	17.89	-145.27	-123.84	367.00	249.72	214.21	35.51	7.033	
4,000.00	3,951.72	3,965.24	3,955.18	19.02	18.35	-149.31	-130.63	359.66	259.56	223.16	36.40	7.131	
4,100.00	4,050.29	4,063.31	4,052.77	19.50	18.82	-152.97	-137.11	352.58	270.83	233.53	37.30	7.261	
4,200.00	4,148.86	4,166.41	4,155.33	19.98	19.31	-156.50	-145.21	345.85	281.71	243.46	38.25	7.365	
4,300.00	4,247.43	4,262.46	4,250.92	20.46	19.76	-159.41	-152.80	340.30	293.11	253.97	39.14	7.489	
4,400.00	4,346.00	4,358.58	4,346.73	20.94	20.21	-161.85	-158.77	335.36	306.32	266.31	40.01	7.655	
4,500.00	4,444.58	4,459.56	4,447.40	21.43	20.68	-164.10	-165.33	330.96	319.40	278.46	40.94	7.801	
4,600.00	4,543.15	4,559.32	4,546.90	21.91	21.13	-166.03	-171.32	327.18	332.98	291.13	41.85	7.956	
4,700.00	4,641.72	4,657.15	4,644.60	22.39	21.55	-167.21	-176.20	326.93	345.58	302.87	42.71	8.091	
4,800.00	4,740.29	4,746.71	4,734.15	22.87	21.89	-167.70	-176.85	327.78	360.87	317.43	43.44	8.307	
4,900.00	4,838.86	4,842.63	4,830.07	23.36	22.25	-168.04	-176.03	328.68	377.44	333.22	44.22	8.535	

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 34N-6A-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 34N-6A-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	4,937.43	4,938.01	4,925.43	23.84	22.61	-168.39	-174.77	328.91	394.82	349.82	45.00	8.773		
5,100.00	5,036.00	5,033.95	5,021.36	24.32	22.98	-168.79	-173.31	328.30	412.92	367.11	45.80	9.015		
5,200.00	5,134.57	5,130.67	5,118.06	24.81	23.36	-169.23	-171.83	326.99	431.47	384.85	46.62	9.254		
5,300.00	5,233.14	5,236.78	5,224.15	25.29	23.79	-169.72	-170.56	325.38	449.95	402.37	47.58	9.457		
5,400.00	5,331.71	5,340.36	5,327.72	25.78	24.21	-170.12	-171.23	325.84	465.74	417.25	48.49	9.605		
5,500.00	5,430.28	5,433.31	5,420.67	26.26	24.58	-170.45	-171.28	325.84	482.31	433.04	49.27	9.788		
5,600.00	5,528.85	5,531.45	5,518.81	26.75	24.98	-170.80	-170.86	325.11	499.74	449.61	50.13	9.969		
5,700.00	5,627.42	5,627.83	5,615.17	27.23	25.39	-171.28	-171.54	323.45	516.99	466.02	50.97	10.143		
5,800.00	5,725.99	5,720.15	5,707.47	27.72	25.78	-171.67	-171.24	321.61	535.20	483.44	51.76	10.340		
5,900.00	5,824.56	5,822.43	5,809.73	28.20	26.21	-172.05	-170.37	319.26	554.03	501.35	52.68	10.517		
6,000.00	5,923.13	5,923.31	5,910.59	28.69	26.62	-172.40	-170.33	317.85	571.68	518.11	53.57	10.672		
6,100.00	6,021.70	6,014.66	6,001.92	29.17	26.99	-172.49	-168.66	317.75	589.80	535.48	54.32	10.858		
6,200.00	6,120.27	6,120.76	6,108.00	29.66	27.41	-172.66	-166.75	316.79	608.45	553.18	55.27	11.009		
6,238.51	6,158.23	6,157.70	6,144.94	29.84	27.56	-172.74	-166.60	316.57	615.16	559.57	55.59	11.067		
6,250.00	6,169.57	6,167.34	6,154.58	29.90	27.60	-177.31	-166.52	316.49	617.15	561.48	55.66	11.087		
6,300.00	6,219.12	6,209.42	6,196.65	30.13	27.78	153.31	-165.95	315.94	624.59	568.60	55.99	11.155		
6,350.00	6,268.78	6,259.19	6,246.40	30.33	27.98	115.63	-164.88	315.04	629.95	573.54	56.40	11.168		
6,400.00	6,318.25	6,318.58	6,305.78	30.52	28.22	91.46	-164.05	314.49	632.23	575.31	56.92	11.107		
6,450.00	6,367.22	6,363.29	6,350.49	30.69	28.40	79.59	-163.61	314.32	631.77	574.52	57.25	11.036		
6,500.00	6,415.39	6,404.66	6,391.85	30.86	28.56	73.73	-162.84	313.89	629.55	572.02	57.53	10.944		
6,550.00	6,462.47	6,468.79	6,455.96	31.02	28.82	71.71	-161.47	313.65	625.26	567.18	58.09	10.765		
6,600.00	6,508.16	6,708.00	6,688.82	31.18	29.67	81.96	-168.90	358.90	615.62	557.88	57.73	10.663		
6,650.00	6,552.18	6,734.70	6,713.16	31.34	29.75	83.77	-170.98	369.69	595.90	537.60	58.30	10.221		
6,700.00	6,594.26	6,759.92	6,736.10	31.51	29.83	86.13	-172.72	380.03	577.24	518.38	58.86	9.807		
6,750.00	6,634.14	6,781.69	6,755.86	31.68	29.89	88.58	-174.04	389.05	560.33	500.88	59.44	9.426		
6,800.00	6,671.58	6,799.93	6,772.40	31.86	29.95	90.82	-175.03	396.69	545.87	485.83	60.04	9.092		
6,850.00	6,706.34	6,815.12	6,786.14	32.06	29.99	92.73	-175.76	403.12	534.53	473.90	60.63	8.816		
6,900.00	6,738.21	6,826.34	6,796.25	32.27	30.02	94.05	-176.24	407.96	526.93	465.73	61.20	8.609		
6,950.00	6,766.99	6,833.59	6,802.76	32.52	30.05	94.70	-176.53	411.14	523.53	461.80	61.73	8.482		
6,963.15	6,774.03	6,834.88	6,803.92	32.59	30.05	94.75	-176.58	411.70	523.37	461.52	61.85	8.461		
7,000.00	6,792.51	6,837.17	6,805.97	32.80	30.06	94.64	-176.66	412.71	524.61	462.44	62.17	8.438		
7,050.00	6,814.61	6,837.36	6,806.14	33.12	30.06	93.87	-176.67	412.80	530.22	467.69	62.53	8.480		
7,100.00	6,833.15	6,834.44	6,803.53	33.48	30.05	92.42	-176.56	411.51	540.18	477.39	62.79	8.603		
7,150.00	6,848.02	6,828.68	6,798.35	33.89	30.03	90.33	-176.34	408.98	554.15	491.18	62.98	8.799		
7,200.00	6,859.13	6,820.32	6,790.82	34.35	30.01	87.66	-175.99	405.36	571.64	508.55	63.10	9.060		
7,250.00	6,866.40	6,804.00	6,776.08	34.86	29.96	83.94	-175.23	398.40	592.13	529.07	63.06	9.390		
7,300.00	6,869.79	6,795.84	6,768.69	35.40	29.94	80.89	-174.82	394.97	614.89	551.67	63.22	9.726		
7,327.68	6,870.00	6,786.77	6,760.47	35.71	29.91	78.72	-174.33	391.17	628.30	565.07	63.23	9.937		
7,400.00	6,868.97	6,762.35	6,738.31	36.61	29.83	76.52	-172.87	381.03	666.33	603.09	63.24	10.537		
7,500.00	6,867.54	6,729.56	6,708.47	38.01	29.74	73.65	-170.60	367.60	725.86	662.64	63.22	11.481		
7,600.00	6,866.12	6,708.00	6,688.82	39.58	29.67	71.83	-168.90	358.90	791.97	728.58	63.39	12.494		
7,700.00	6,864.69	6,680.74	6,663.67	41.29	29.58	69.56	-166.82	348.61	863.40	800.00	63.41	13.617		
7,800.00	6,863.27	6,664.03	6,647.98	43.12	29.53	68.18	-165.72	342.96	939.40	875.84	63.56	14.779		
7,900.00	6,861.85	6,649.86	6,634.53	45.06	29.48	67.01	-164.88	338.57	1,019.04	955.34	63.71	15.996		
8,000.00	6,860.42	6,613.00	6,599.02	47.10	29.36	64.03	-163.15	328.88	1,102.35	1,038.86	63.49	17.363		
8,100.00	6,859.00	6,613.00	6,599.02	49.21	29.36	64.03	-163.15	328.88	1,186.88	1,123.11	63.77	18.611		
8,200.00	6,857.57	6,613.00	6,599.02	51.40	29.36	64.03	-163.15	328.88	1,273.65	1,209.66	63.99	19.904		
8,300.00	6,856.15	6,613.00	6,599.02	53.65	29.36	64.03	-163.15	328.88	1,362.24	1,298.08	64.16	21.233		
8,400.00	6,854.72	6,613.00	6,599.02	55.96	29.36	64.03	-163.15	328.88	1,452.31	1,388.03	64.29	22.591		
8,500.00	6,853.30	6,613.00	6,599.02	58.31	29.36	64.03	-163.15	328.88	1,543.61	1,479.22	64.39	23.973		
8,600.00	6,851.88	6,613.00	6,599.02	60.70	29.36	64.03	-163.15	328.88	1,635.92	1,571.45	64.47	25.375		
8,700.00	6,850.45	6,613.00	6,599.02	63.14	29.36	64.03	-163.15	328.88	1,729.09	1,664.56	64.53	26.793		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,849.03	6,613.00	6,599.02	65.60	29.36	64.03	-163.15	328.88	1,822.98	1,758.40	64.59	28.225		
8,900.00	6,847.60	6,575.82	6,562.59	68.10	29.22	61.11	-161.99	321.64	1,916.00	1,851.57	64.42	29.741		
9,000.00	6,846.18	6,571.81	6,558.62	70.62	29.21	60.80	-161.89	321.01	2,010.71	1,946.25	64.45	31.197		
9,100.00	6,844.75	6,568.12	6,554.97	73.17	29.20	60.52	-161.81	320.45	2,105.87	2,041.39	64.48	32.659		
9,200.00	6,843.33	6,564.71	6,551.60	75.73	29.18	60.26	-161.74	319.96	2,201.45	2,136.94	64.51	34.128		
9,300.00	6,841.91	6,561.56	6,548.48	78.32	29.17	60.02	-161.68	319.53	2,297.37	2,232.84	64.53	35.602		
9,400.00	6,840.48	6,558.63	6,545.58	80.92	29.16	59.80	-161.63	319.14	2,393.61	2,329.06	64.55	37.080		
9,500.00	6,839.06	6,555.91	6,542.89	83.54	29.15	59.59	-161.58	318.80	2,490.13	2,425.56	64.58	38.562		
9,600.00	6,837.63	6,518.00	6,505.13	86.18	29.01	56.78	-161.22	315.42	2,588.22	2,523.78	64.44	40.166		
9,700.00	6,836.21	6,518.00	6,505.13	88.82	29.01	56.78	-161.22	315.42	2,685.04	2,620.56	64.48	41.643		
9,800.00	6,834.78	6,518.00	6,505.13	91.48	29.01	56.78	-161.22	315.42	2,782.09	2,717.57	64.51	43.124		
9,900.00	6,833.36	6,518.00	6,505.13	94.15	29.01	56.78	-161.22	315.42	2,879.34	2,814.79	64.55	44.607		
10,000.00	6,831.94	6,518.00	6,505.13	96.83	29.01	56.78	-161.22	315.42	2,976.77	2,912.18	64.58	46.092		
10,100.00	6,830.51	6,518.00	6,505.13	99.52	29.01	56.78	-161.22	315.42	3,074.36	3,009.75	64.62	47.579		
10,200.00	6,829.09	6,518.00	6,505.13	102.22	29.01	56.78	-161.22	315.42	3,172.11	3,107.46	64.65	49.067		
10,300.00	6,827.66	6,518.00	6,505.13	104.92	29.01	56.78	-161.22	315.42	3,269.99	3,205.31	64.68	50.557		
10,400.00	6,826.24	6,518.00	6,505.13	107.63	29.01	56.78	-161.22	315.42	3,368.00	3,303.29	64.71	52.046		
10,500.00	6,824.81	6,518.00	6,505.13	110.35	29.01	56.78	-161.22	315.42	3,466.12	3,401.37	64.74	53.536		
10,600.00	6,823.39	6,518.00	6,505.13	113.08	29.01	56.78	-161.22	315.42	3,564.34	3,499.57	64.78	55.026		
10,700.00	6,821.96	6,518.00	6,505.13	115.81	29.01	56.78	-161.22	315.42	3,662.66	3,597.86	64.81	56.516		
10,800.00	6,820.54	6,518.00	6,505.13	118.54	29.01	56.78	-161.22	315.42	3,761.07	3,696.23	64.84	58.006		
10,900.00	6,819.12	6,518.00	6,505.13	121.29	29.01	56.78	-161.22	315.42	3,859.56	3,794.69	64.87	59.495		
11,000.00	6,817.69	6,518.00	6,505.13	124.03	29.01	56.78	-161.22	315.42	3,958.13	3,893.23	64.91	60.983		
11,100.00	6,816.27	6,518.00	6,505.13	126.78	29.01	56.78	-161.22	315.42	4,056.77	3,991.83	64.94	62.469		
11,200.00	6,814.84	6,518.00	6,505.13	129.54	29.01	56.78	-161.22	315.42	4,155.47	4,090.50	64.97	63.955		
11,300.00	6,813.42	6,518.00	6,505.13	132.29	29.01	56.78	-161.22	315.42	4,254.23	4,189.22	65.01	65.440		
11,400.00	6,811.99	6,518.00	6,505.13	135.05	29.01	56.78	-161.22	315.42	4,353.05	4,288.01	65.05	66.923		
11,500.00	6,810.57	6,518.00	6,505.13	137.82	29.01	56.78	-161.22	315.42	4,451.92	4,386.84	65.08	68.404		
11,534.42	6,810.08	6,518.00	6,505.13	138.77	29.01	56.78	-161.22	315.42	4,485.97	4,420.88	65.10	68.913		
11,600.00	6,809.15	6,518.00	6,505.13	140.59	29.01	61.10	-161.22	315.42	4,550.75	4,485.63	65.12	69.883		
11,645.35	6,808.50	6,518.00	6,505.13	141.85	29.01	63.55	-161.22	315.42	4,595.44	4,530.31	65.14	70.551		
11,700.00	6,807.72	6,518.00	6,505.13	143.37	29.01	63.55	-161.22	315.42	4,649.24	4,584.09	65.16	71.355		
11,800.00	6,806.30	6,518.00	6,505.13	146.16	29.01	63.55	-161.22	315.42	4,747.74	4,682.55	65.19	72.825		
11,900.00	6,804.88	6,518.00	6,505.13	148.94	29.01	63.55	-161.22	315.42	4,846.31	4,781.07	65.23	74.292		
12,000.00	6,803.45	6,518.00	6,505.13	151.74	29.01	63.55	-161.22	315.42	4,944.93	4,879.66	65.27	75.758		
12,100.00	6,802.03	6,518.00	6,505.13	154.53	29.01	63.55	-161.22	315.42	5,043.60	4,978.29	65.31	77.222		
12,200.00	6,800.61	6,518.00	6,505.13	157.32	29.01	63.55	-161.22	315.42	5,142.33	5,076.98	65.35	78.683		
12,300.00	6,799.18	6,518.00	6,505.13	160.12	29.01	63.55	-161.22	315.42	5,241.11	5,175.71	65.40	80.143		
12,400.00	6,797.76	6,518.00	6,505.13	162.92	29.01	63.55	-161.22	315.42	5,339.93	5,274.49	65.44	81.600		
12,500.00	6,796.34	6,518.00	6,505.13	165.72	29.01	63.55	-161.22	315.42	5,438.79	5,373.31	65.48	83.055		
12,600.00	6,794.92	6,518.00	6,505.13	168.53	29.01	63.55	-161.22	315.42	5,537.70	5,472.17	65.53	84.507		
12,700.00	6,793.49	6,518.00	6,505.13	171.33	29.01	63.55	-161.22	315.42	5,636.64	5,571.06	65.58	85.957		
12,800.00	6,792.07	6,518.00	6,505.13	174.14	29.01	63.55	-161.22	315.42	5,735.62	5,670.00	65.62	87.404		
12,900.00	6,790.65	6,518.00	6,505.13	176.95	29.01	63.55	-161.22	315.42	5,834.63	5,768.96	65.67	88.848		
13,000.00	6,789.22	6,518.00	6,505.13	179.76	29.01	63.55	-161.22	315.42	5,933.68	5,867.96	65.72	90.289		
13,100.00	6,787.80	6,518.00	6,505.13	182.57	29.01	63.55	-161.22	315.42	6,032.76	5,966.99	65.77	91.728		
13,200.00	6,786.38	6,518.00	6,505.13	185.38	29.01	63.55	-161.22	315.42	6,131.87	6,066.05	65.82	93.163		
13,300.00	6,784.95	6,518.00	6,505.13	188.20	29.01	63.55	-161.22	315.42	6,231.01	6,165.14	65.87	94.595		
13,400.00	6,783.53	6,518.00	6,505.13	191.01	29.01	63.55	-161.22	315.42	6,330.17	6,264.25	65.92	96.025		
13,500.00	6,782.11	6,518.00	6,505.13	193.83	29.01	63.55	-161.22	315.42	6,429.36	6,363.39	65.98	97.451		
13,600.00	6,780.68	6,518.00	6,505.13	196.65	29.01	63.55	-161.22	315.42	6,528.58	6,462.55	66.03	98.873		
13,700.00	6,779.26	6,518.00	6,505.13	199.47	29.01	63.55	-161.22	315.42	6,627.82	6,561.73	66.08	100.293		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
13,800.00	6,777.84	6,518.00	6,505.13	202.29	29.01	63.55	-161.22	315.42	6,727.08	6,660.94	66.14	101.709	
13,900.00	6,776.42	6,518.00	6,505.13	205.11	29.01	63.55	-161.22	315.42	6,826.36	6,760.16	66.20	103.122	
14,000.00	6,774.99	6,518.00	6,505.13	207.93	29.01	63.55	-161.22	315.42	6,925.66	6,859.41	66.25	104.531	
14,100.00	6,773.57	6,518.00	6,505.13	210.76	29.01	63.55	-161.22	315.42	7,024.99	6,958.67	66.31	105.936	
14,200.00	6,772.15	6,518.00	6,505.13	213.58	29.01	63.55	-161.22	315.42	7,124.33	7,057.96	66.37	107.338	
14,300.00	6,770.72	6,518.00	6,505.13	216.40	29.01	63.55	-161.22	315.42	7,223.69	7,157.26	66.43	108.737	
14,400.00	6,769.30	6,518.00	6,505.13	219.23	29.01	63.55	-161.22	315.42	7,323.07	7,256.57	66.49	110.132	
14,500.00	6,767.88	6,518.00	6,505.13	222.06	29.01	63.55	-161.22	315.42	7,422.46	7,355.91	66.56	111.523	
14,600.00	6,766.45	6,518.00	6,505.13	224.89	29.01	63.55	-161.22	315.42	7,521.87	7,455.25	66.62	112.910	
14,700.00	6,765.03	6,518.00	6,505.13	227.71	29.01	63.55	-161.22	315.42	7,621.30	7,554.62	66.68	114.293	
14,800.00	6,763.61	6,518.00	6,505.13	230.54	29.01	63.55	-161.22	315.42	7,720.74	7,653.99	66.75	115.673	
14,900.00	6,762.19	6,518.00	6,505.13	233.37	29.01	63.55	-161.22	315.42	7,820.19	7,753.38	66.81	117.048	
15,000.00	6,760.76	6,518.00	6,505.13	236.20	29.01	63.55	-161.22	315.42	7,919.66	7,852.79	66.88	118.420	
15,100.00	6,759.34	6,518.00	6,505.13	239.03	29.01	63.55	-161.22	315.42	8,019.14	7,952.20	66.94	119.788	
15,200.00	6,757.92	6,518.00	6,505.13	241.86	29.01	63.55	-161.22	315.42	8,118.64	8,051.63	67.01	121.151	
15,300.00	6,756.49	6,518.00	6,505.13	244.70	29.01	63.55	-161.22	315.42	8,218.15	8,151.07	67.08	122.511	
15,334.64	6,756.00	6,518.00	6,505.13	245.68	29.01	63.55	-161.22	315.42	8,252.62	8,185.51	67.10	122.981	
15,335.52	6,755.99	6,518.00	6,505.13	245.70	29.01	63.55	-161.22	315.42	8,253.50	8,186.39	67.11	122.993	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	85.68	38.99	516.66	518.18					
100.00	100.00	97.13	97.12	3.28	3.30	85.72	38.59	516.15	517.61	511.03	6.58	78.630		
200.00	200.00	199.76	199.74	3.34	3.37	85.84	37.50	515.20	516.61	509.89	6.71	76.962		
300.00	300.00	303.83	303.79	3.44	3.51	85.97	36.17	513.54	514.93	507.97	6.96	74.003		
400.00	399.98	406.60	406.53	3.60	3.70	-44.20	34.94	511.15	511.26	503.97	7.30	70.061		
500.00	499.84	510.96	510.84	3.79	3.93	-44.67	34.18	507.99	504.46	496.73	7.73	65.291		
600.00	599.45	605.43	605.26	4.03	4.18	-45.41	33.41	505.06	495.14	486.94	8.20	60.391		
700.00	698.70	701.18	700.98	4.30	4.45	-46.43	32.12	503.04	484.40	475.66	8.74	55.420		
785.00	782.69	782.01	781.79	4.56	4.70	-47.51	30.60	501.91	474.06	464.81	9.24	51.288		
800.00	797.47	796.25	796.03	4.60	4.74	-47.69	30.31	501.77	472.16	462.82	9.34	50.570		
900.00	896.04	888.98	888.72	4.94	5.04	-48.84	27.85	501.57	460.28	450.32	9.96	46.202		
1,000.00	994.61	987.05	986.73	5.30	5.37	-50.00	24.51	502.28	449.42	438.78	10.64	42.225		
1,100.00	1,093.18	1,089.71	1,089.31	5.69	5.73	-51.23	20.63	502.76	438.43	427.05	11.38	38.540		
1,200.00	1,191.75	1,195.14	1,194.64	6.08	6.11	-52.57	16.33	501.37	425.81	413.66	12.15	35.053		
1,300.00	1,290.32	1,275.24	1,274.70	6.49	6.41	-53.69	13.67	501.86	415.48	402.63	12.85	32.330		
1,400.00	1,388.89	1,393.78	1,393.14	6.91	6.85	-55.42	10.13	503.84	406.73	393.04	13.70	29.691		
1,500.00	1,487.46	1,507.79	1,506.96	7.34	7.31	-57.23	5.23	499.47	392.43	377.88	14.55	26.978		
1,600.00	1,586.03	1,617.18	1,615.93	7.77	7.76	-59.22	0.09	491.57	375.15	359.77	15.38	24.392		
1,700.00	1,684.61	1,720.36	1,718.42	8.22	8.19	-61.12	-6.71	481.85	355.59	339.38	16.21	21.938		
1,800.00	1,783.18	1,817.96	1,815.24	8.66	8.62	-62.73	-15.40	473.18	336.07	319.02	17.05	19.713		
1,900.00	1,881.75	1,913.93	1,910.27	9.11	9.06	-63.99	-26.55	465.66	316.74	298.84	17.90	17.692		
2,000.00	1,980.32	2,006.80	2,002.04	9.57	9.49	-64.71	-39.95	460.83	298.83	280.05	18.78	15.915		
2,100.00	2,078.89	2,099.32	2,093.60	10.02	9.92	-65.44	-52.81	457.83	282.94	263.28	19.66	14.391		
2,200.00	2,177.46	2,195.57	2,189.08	10.49	10.36	-66.42	-64.90	456.08	268.95	248.40	20.55	13.088		
2,300.00	2,276.03	2,295.26	2,288.13	10.95	10.82	-67.96	-75.76	453.41	255.05	233.61	21.44	11.897		
2,400.00	2,374.60	2,399.31	2,391.49	11.41	11.30	-69.87	-87.14	449.63	240.52	218.21	22.32	10.778		
2,500.00	2,473.17	2,501.01	2,492.35	11.88	11.79	-72.34	-98.38	443.04	223.77	200.58	23.19	9.650		
2,600.00	2,571.74	2,603.53	2,593.89	12.35	12.29	-75.39	-110.00	434.97	206.17	182.13	24.04	8.577		
2,700.00	2,670.31	2,702.39	2,691.54	12.82	12.78	-78.82	-122.45	425.94	187.44	162.53	24.91	7.525		
2,800.00	2,768.88	2,797.46	2,785.52	13.29	13.26	-82.76	-134.25	417.65	169.92	144.10	25.82	6.581		
2,900.00	2,867.45	2,892.30	2,879.48	13.76	13.73	-87.44	-144.96	410.71	155.17	128.44	26.73	5.805		
3,000.00	2,966.02	2,988.43	2,974.93	14.24	14.20	-92.81	-155.01	405.19	143.37	115.75	27.63	5.190		
3,100.00	3,064.59	3,087.04	3,072.91	14.71	14.67	-99.18	-164.82	399.92	133.76	105.27	28.49	4.694		
3,200.00	3,163.16	3,187.47	3,172.58	15.19	15.17	-106.69	-175.52	393.86	125.13	95.78	29.35	4.264		
3,300.00	3,261.73	3,287.01	3,271.17	15.66	15.67	-115.24	-187.49	387.08	117.38	87.16	30.22	3.884		
3,400.00	3,360.30	3,383.32	3,366.56	16.14	16.15	-124.55	-198.82	380.29	112.78	81.62	31.16	3.620		
3,437.31	3,397.07	3,418.76	3,401.73	16.32	16.33	-128.00	-202.57	378.03	112.37	80.87	31.51	3.567 CC, ES		
3,500.00	3,458.87	3,478.71	3,461.34	16.62	16.62	-133.51	-208.15	374.87	113.46	81.36	32.09	3.535 SF		
3,600.00	3,557.44	3,577.91	3,560.04	17.10	17.09	-141.88	-216.93	370.35	117.78	84.74	33.04	3.565		
3,700.00	3,656.01	3,679.69	3,661.13	17.58	17.59	-150.01	-227.75	365.64	122.80	88.79	34.02	3.610		
3,800.00	3,754.58	3,781.75	3,761.97	18.06	18.12	-158.56	-242.38	359.94	127.17	92.13	35.04	3.629		
3,900.00	3,853.15	3,881.16	3,859.83	18.54	18.66	-166.82	-258.87	354.19	132.34	96.24	36.10	3.666		
4,000.00	3,951.72	3,979.07	3,956.18	19.02	19.19	-174.24	-275.41	348.72	139.68	102.52	37.16	3.759		
4,100.00	4,050.29	4,076.36	4,052.21	19.50	19.70	-179.84	-290.36	344.17	149.47	111.29	38.19	3.914		
4,200.00	4,148.86	4,173.93	4,148.90	19.98	20.19	-175.60	-302.86	340.59	161.36	122.19	39.17	4.119		
4,300.00	4,247.43	4,272.58	4,246.85	20.46	20.68	-172.39	-314.24	337.71	174.09	133.94	40.15	4.337		
4,400.00	4,346.00	4,369.52	4,343.10	20.94	21.17	-169.64	-325.34	334.49	187.67	146.58	41.09	4.567		
4,500.00	4,444.58	4,465.32	4,438.07	21.43	21.65	-166.89	-336.82	329.40	203.13	161.11	42.02	4.834		
4,600.00	4,543.15	4,562.38	4,534.38	21.91	22.14	-164.68	-347.51	323.89	219.73	176.77	42.97	5.114		
4,700.00	4,641.72	4,660.55	4,631.73	22.39	22.64	-162.64	-358.57	317.65	237.14	193.21	43.93	5.398		
4,800.00	4,740.29	4,763.82	4,734.19	22.87	23.16	-160.89	-370.20	312.14	253.88	208.90	44.98	5.644		
4,900.00	4,838.86	4,865.96	4,835.58	23.36	23.67	-159.44	-382.18	308.98	268.53	222.54	45.99	5.839		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	4,937.43	4,963.54	4,932.64	23.84	24.14	158.60	-391.88	306.79	283.13	236.21	46.92	6.034		
5,100.00	5,036.00	5,060.17	5,028.97	24.32	24.59	158.27	-399.22	304.68	298.45	250.64	47.81	6.243		
5,200.00	5,134.57	5,161.51	5,130.18	24.81	25.03	158.54	-403.86	303.27	314.00	265.27	48.73	6.444		
5,300.00	5,233.14	5,257.60	5,226.26	25.29	25.42	159.33	-405.49	303.47	329.01	279.46	49.55	6.641		
5,400.00	5,331.71	5,351.01	5,319.66	25.78	25.78	160.24	-405.37	302.79	345.56	295.27	50.30	6.871		
5,500.00	5,430.28	5,445.87	5,414.50	26.26	26.13	161.32	-403.45	301.49	363.48	312.45	51.04	7.122		
5,600.00	5,528.85	5,539.48	5,508.05	26.75	26.46	162.39	-400.67	299.65	382.42	330.68	51.75	7.390		
5,700.00	5,627.42	5,642.38	5,610.87	27.23	26.83	163.44	-397.48	297.25	401.89	349.28	52.62	7.638		
5,800.00	5,725.99	5,759.34	5,727.81	27.72	27.26	164.45	-395.81	297.62	418.43	364.79	53.65	7.800		
5,900.00	5,824.56	5,848.31	5,816.76	28.20	27.57	165.18	-394.85	298.96	433.80	379.47	54.33	7.984		
6,000.00	5,923.13	5,946.65	5,915.09	28.69	27.95	165.77	-394.42	298.88	450.39	395.24	55.15	8.166		
6,100.00	6,021.70	6,039.43	6,007.87	29.17	28.32	166.23	-394.21	298.12	467.58	411.67	55.91	8.363		
6,200.00	6,120.27	6,145.42	6,113.85	29.66	28.72	166.81	-393.33	297.70	484.69	427.86	56.83	8.529		
6,238.51	6,158.23	6,178.00	6,146.43	29.84	28.84	166.98	-393.12	297.59	491.24	434.16	57.08	8.607		
6,250.00	6,169.57	6,188.10	6,156.52	29.90	28.88	162.53	-393.00	297.52	493.16	436.01	57.15	8.629		
6,300.00	6,219.12	6,232.13	6,200.55	30.13	29.05	133.68	-392.19	297.07	499.79	442.31	57.48	8.695		
6,350.00	6,268.78	6,285.58	6,253.98	30.33	29.25	96.55	-390.96	296.55	503.15	445.24	57.91	8.689		
6,400.00	6,318.25	6,339.05	6,307.44	30.52	29.44	72.75	-389.88	296.44	502.80	444.48	58.32	8.622		
6,450.00	6,367.22	6,391.85	6,360.23	30.69	29.64	61.47	-388.73	296.87	498.85	440.16	58.70	8.499		
6,500.00	6,415.39	6,449.99	6,418.33	30.86	29.84	56.63	-387.20	298.27	491.38	432.27	59.11	8.313		
6,550.00	6,462.47	6,514.91	6,483.03	31.02	30.07	55.70	-384.79	302.88	479.56	420.03	59.53	8.056		
6,600.00	6,508.16	6,640.24	6,605.80	31.18	30.48	61.77	-382.44	326.89	460.58	401.21	59.37	7.758		
6,650.00	6,552.18	6,753.91	6,710.69	31.34	30.80	73.14	-385.49	370.03	433.43	375.82	57.62	7.523		
6,700.00	6,594.26	6,799.56	6,750.60	31.51	30.93	80.72	-388.45	391.98	404.12	346.72	57.41	7.040		
6,750.00	6,634.14	6,822.48	6,770.19	31.68	30.98	86.12	-390.07	403.76	375.91	317.84	58.07	6.473		
6,800.00	6,671.58	6,837.85	6,783.18	31.86	31.02	90.44	-390.98	411.92	350.80	291.77	59.02	5.943		
6,850.00	6,706.34	6,848.00	6,791.69	32.06	31.04	93.59	-391.52	417.42	330.30	270.20	60.10	5.496		
6,900.00	6,738.21	6,853.57	6,796.35	32.27	31.05	95.42	-391.78	420.48	315.88	254.75	61.13	5.168		
6,950.00	6,766.99	6,855.18	6,797.68	32.52	31.06	95.93	-391.85	421.37	308.72	246.80	61.92	4.986		
6,970.48	6,777.85	6,854.81	6,797.38	32.63	31.06	95.77	-391.84	421.16	308.05	245.91	62.15	4.957		
7,000.00	6,792.51	6,853.32	6,796.14	32.80	31.05	95.17	-391.77	420.34	309.44	247.10	62.34	4.964		
7,050.00	6,814.61	6,848.46	6,792.08	33.12	31.04	93.22	-391.54	417.68	317.90	255.54	62.37	5.097		
7,100.00	6,833.15	6,840.98	6,785.81	33.48	31.02	90.18	-391.15	413.61	333.33	271.23	62.10	5.367		
7,150.00	6,848.02	6,831.20	6,777.58	33.89	31.00	86.21	-390.60	408.37	354.50	292.79	61.71	5.745		
7,200.00	6,859.13	6,819.43	6,767.60	34.35	30.97	81.49	-389.87	402.17	380.08	318.77	61.31	6.199		
7,250.00	6,866.40	6,804.00	6,754.42	34.86	30.94	75.99	-388.78	394.22	408.85	347.94	60.90	6.713		
7,300.00	6,869.79	6,787.87	6,740.50	35.40	30.89	70.44	-387.62	386.16	439.66	379.01	60.65	7.249		
7,327.68	6,870.00	6,777.08	6,731.10	35.71	30.87	67.22	-386.89	380.91	457.24	396.73	60.51	7.556		
7,400.00	6,868.97	6,749.97	6,707.19	36.61	30.79	63.89	-385.27	368.23	505.61	445.32	60.28	8.388		
7,500.00	6,867.54	6,717.09	6,677.65	38.01	30.70	60.04	-383.66	353.87	578.34	518.14	60.19	9.608		
7,600.00	6,866.12	6,693.02	6,655.63	39.58	30.64	57.34	-382.81	344.20	656.35	595.95	60.41	10.866		
7,700.00	6,864.69	6,674.67	6,638.52	41.29	30.58	55.34	-382.49	337.59	738.58	677.87	60.72	12.164		
7,800.00	6,863.27	6,664.00	6,628.45	43.12	30.55	54.19	-382.44	334.07	824.06	762.94	61.12	13.482		
7,900.00	6,861.85	6,644.62	6,609.99	45.06	30.49	52.16	-382.44	328.15	911.90	850.65	61.25	14.889		
8,000.00	6,860.42	6,631.91	6,597.80	47.10	30.45	50.88	-382.45	324.57	1,001.63	940.17	61.46	16.298		
8,100.00	6,859.00	6,614.00	6,580.51	49.21	30.39	49.13	-382.46	319.91	1,092.88	1,031.34	61.54	17.759		
8,200.00	6,857.57	6,614.00	6,580.51	51.40	30.39	49.13	-382.46	319.91	1,185.22	1,123.38	61.84	19.164		
8,300.00	6,856.15	6,614.00	6,580.51	53.65	30.39	49.13	-382.46	319.91	1,278.71	1,216.63	62.08	20.597		
8,400.00	6,854.72	6,614.00	6,580.51	55.96	30.39	49.13	-382.46	319.91	1,373.12	1,310.85	62.27	22.051		
8,500.00	6,853.30	6,585.10	6,552.35	58.31	30.30	46.46	-382.68	313.40	1,467.41	1,405.26	62.15	23.609		
8,600.00	6,851.88	6,578.24	6,545.63	60.70	30.28	45.85	-382.78	312.04	1,562.73	1,500.48	62.25	25.105		
8,700.00	6,850.45	6,572.00	6,539.51	63.14	30.25	45.31	-382.90	310.87	1,658.52	1,596.19	62.33	26.609		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,849.03	6,566.30	6,533.90	65.60	30.24	44.81	-383.02	309.85	1,754.71	1,692.31	62.40	28.119		
8,900.00	6,847.60	6,561.08	6,528.76	68.10	30.22	44.36	-383.15	308.95	1,851.25	1,788.78	62.47	29.634		
9,000.00	6,846.18	6,556.27	6,524.01	70.62	30.20	43.96	-383.27	308.17	1,948.09	1,885.56	62.53	31.153		
9,100.00	6,844.75	6,519.00	6,487.09	73.17	30.08	40.94	-384.61	303.29	2,046.23	1,983.84	62.38	32.801		
9,200.00	6,843.33	6,519.00	6,487.09	75.73	30.08	40.94	-384.61	303.29	2,143.32	2,080.84	62.47	34.307		
9,300.00	6,841.91	6,519.00	6,487.09	78.32	30.08	40.94	-384.61	303.29	2,240.66	2,178.11	62.56	35.819		
9,400.00	6,840.48	6,519.00	6,487.09	80.92	30.08	40.94	-384.61	303.29	2,338.23	2,275.60	62.63	37.335		
9,500.00	6,839.06	6,519.00	6,487.09	83.54	30.08	40.94	-384.61	303.29	2,436.00	2,373.30	62.70	38.854		
9,600.00	6,837.63	6,519.00	6,487.09	86.18	30.08	40.94	-384.61	303.29	2,533.94	2,471.18	62.76	40.376		
9,700.00	6,836.21	6,519.00	6,487.09	88.82	30.08	40.94	-384.61	303.29	2,632.03	2,569.22	62.82	41.901		
9,800.00	6,834.78	6,519.00	6,487.09	91.48	30.08	40.94	-384.61	303.29	2,730.27	2,667.40	62.87	43.427		
9,900.00	6,833.36	6,519.00	6,487.09	94.15	30.08	40.94	-384.61	303.29	2,828.62	2,765.70	62.92	44.954		
10,000.00	6,831.94	6,519.00	6,487.09	96.83	30.08	40.94	-384.61	303.29	2,927.09	2,864.12	62.97	46.482		
10,100.00	6,830.51	6,519.00	6,487.09	99.52	30.08	40.94	-384.61	303.29	3,025.66	2,962.64	63.02	48.011		
10,200.00	6,829.09	6,519.00	6,487.09	102.22	30.08	40.94	-384.61	303.29	3,124.32	3,061.25	63.07	49.540		
10,300.00	6,827.66	6,519.00	6,487.09	104.92	30.08	40.94	-384.61	303.29	3,223.06	3,159.95	63.11	51.068		
10,400.00	6,826.24	6,519.00	6,487.09	107.63	30.08	40.94	-384.61	303.29	3,321.88	3,258.72	63.16	52.597		
10,500.00	6,824.81	6,519.00	6,487.09	110.35	30.08	40.94	-384.61	303.29	3,420.77	3,357.57	63.20	54.124		
10,600.00	6,823.39	6,519.00	6,487.09	113.08	30.08	40.94	-384.61	303.29	3,519.72	3,456.47	63.25	55.651		
10,700.00	6,821.96	6,519.00	6,487.09	115.81	30.08	40.94	-384.61	303.29	3,618.73	3,555.44	63.29	57.177		
10,800.00	6,820.54	6,519.00	6,487.09	118.54	30.08	40.94	-384.61	303.29	3,717.79	3,654.45	63.33	58.701		
10,900.00	6,819.12	6,519.00	6,487.09	121.29	30.08	40.94	-384.61	303.29	3,816.90	3,753.52	63.38	60.224		
11,000.00	6,817.69	6,519.00	6,487.09	124.03	30.08	40.94	-384.61	303.29	3,916.05	3,852.63	63.42	61.746		
11,100.00	6,816.27	6,519.00	6,487.09	126.78	30.08	40.94	-384.61	303.29	4,015.25	3,951.78	63.47	63.266		
11,200.00	6,814.84	6,519.00	6,487.09	129.54	30.08	40.94	-384.61	303.29	4,114.48	4,050.97	63.51	64.783		
11,300.00	6,813.42	6,519.00	6,487.09	132.29	30.08	40.94	-384.61	303.29	4,213.75	4,150.20	63.56	66.299		
11,400.00	6,811.99	6,519.00	6,487.09	135.05	30.08	40.94	-384.61	303.29	4,313.06	4,249.46	63.60	67.813		
11,500.00	6,810.57	6,519.00	6,487.09	137.82	30.08	40.94	-384.61	303.29	4,412.40	4,348.75	63.65	69.325		
11,534.42	6,810.08	6,519.00	6,487.09	138.77	30.08	40.94	-384.61	303.29	4,446.60	4,382.93	63.66	69.844		
11,600.00	6,809.15	6,519.00	6,487.09	140.59	30.08	48.66	-384.61	303.29	4,511.70	4,448.01	63.69	70.833		
11,645.35	6,808.50	6,519.00	6,487.09	141.85	30.08	52.96	-384.61	303.29	4,556.66	4,492.94	63.72	71.516		
11,700.00	6,807.72	6,519.00	6,487.09	143.37	30.08	52.96	-384.61	303.29	4,610.79	4,547.04	63.74	72.337		
11,800.00	6,806.30	6,482.15	6,450.41	146.16	29.95	50.30	-386.11	300.10	4,709.13	4,645.43	63.70	73.924		
11,900.00	6,804.88	6,480.52	6,448.79	148.94	29.95	50.19	-386.17	299.98	4,808.19	4,744.45	63.75	75.425		
12,000.00	6,803.45	6,478.95	6,447.23	151.74	29.94	50.08	-386.23	299.88	4,907.29	4,843.50	63.79	76.923		
12,100.00	6,802.03	6,477.43	6,445.71	154.53	29.94	49.98	-386.28	299.77	5,006.42	4,942.58	63.84	78.419		
12,200.00	6,800.61	6,475.95	6,444.23	157.32	29.93	49.87	-386.33	299.68	5,105.58	5,041.69	63.89	79.912		
12,300.00	6,799.18	6,474.52	6,442.81	160.12	29.93	49.78	-386.39	299.58	5,204.77	5,140.83	63.94	81.402		
12,400.00	6,797.76	6,473.13	6,441.42	162.92	29.92	49.68	-386.43	299.49	5,303.99	5,240.00	63.99	82.889		
12,500.00	6,796.34	6,471.79	6,440.08	165.72	29.92	49.59	-386.48	299.41	5,403.24	5,339.20	64.04	84.373		
12,600.00	6,794.92	6,470.48	6,438.78	168.53	29.91	49.50	-386.53	299.33	5,502.51	5,438.42	64.09	85.854		
12,700.00	6,793.49	6,469.22	6,437.52	171.33	29.91	49.41	-386.57	299.25	5,601.80	5,537.66	64.14	87.332		
12,800.00	6,792.07	6,467.98	6,436.29	174.14	29.90	49.33	-386.61	299.18	5,701.12	5,636.93	64.20	88.807		
12,900.00	6,790.65	6,466.79	6,435.09	176.95	29.90	49.25	-386.65	299.11	5,800.46	5,736.21	64.25	90.278		
13,000.00	6,789.22	6,465.62	6,433.93	179.76	29.90	49.17	-386.69	299.05	5,899.82	5,835.52	64.31	91.746		
13,100.00	6,787.80	6,464.49	6,432.80	182.57	29.89	49.09	-386.73	298.98	5,999.21	5,934.84	64.36	93.210		
13,200.00	6,786.38	6,463.39	6,431.70	185.38	29.89	49.02	-386.77	298.92	6,098.61	6,034.19	64.42	94.671		
13,300.00	6,784.95	6,424.00	6,392.36	188.20	29.75	46.48	-387.94	297.43	6,198.78	6,134.38	64.41	96.245		
13,400.00	6,783.53	6,424.00	6,392.36	191.01	29.75	46.48	-387.94	297.43	6,298.18	6,233.71	64.47	97.695		
13,500.00	6,782.11	6,424.00	6,392.36	193.83	29.75	46.48	-387.94	297.43	6,397.59	6,333.06	64.53	99.142		
13,600.00	6,780.68	6,424.00	6,392.36	196.65	29.75	46.48	-387.94	297.43	6,497.02	6,432.43	64.59	100.586		
13,700.00	6,779.26	6,424.00	6,392.36	199.47	29.75	46.48	-387.94	297.43	6,596.46	6,531.81	64.66	102.026		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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							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)						
13,800.00	6,777.84	6,424.00	6,392.36	202.29	29.75	46.48	-387.94	297.43	6,695.93	6,631.21	64.72	103.461					
13,900.00	6,776.42	6,424.00	6,392.36	205.11	29.75	46.48	-387.94	297.43	6,795.41	6,730.62	64.78	104.894					
14,000.00	6,774.99	6,424.00	6,392.36	207.93	29.75	46.48	-387.94	297.43	6,894.90	6,830.05	64.85	106.322					
14,100.00	6,773.57	6,424.00	6,392.36	210.76	29.75	46.48	-387.94	297.43	6,994.41	6,929.50	64.92	107.746					
14,200.00	6,772.15	6,424.00	6,392.36	213.58	29.75	46.48	-387.94	297.43	7,093.93	7,028.95	64.98	109.167					
14,300.00	6,770.72	6,424.00	6,392.36	216.40	29.75	46.48	-387.94	297.43	7,193.47	7,128.42	65.05	110.583					
14,400.00	6,769.30	6,424.00	6,392.36	219.23	29.75	46.48	-387.94	297.43	7,293.02	7,227.90	65.12	111.995					
14,500.00	6,767.88	6,424.00	6,392.36	222.06	29.75	46.48	-387.94	297.43	7,392.58	7,327.39	65.19	113.404					
14,600.00	6,766.45	6,424.00	6,392.36	224.89	29.75	46.48	-387.94	297.43	7,492.15	7,426.89	65.26	114.808					
14,700.00	6,765.03	6,424.00	6,392.36	227.71	29.75	46.48	-387.94	297.43	7,591.74	7,526.41	65.33	116.208					
14,800.00	6,763.61	6,424.00	6,392.36	230.54	29.75	46.48	-387.94	297.43	7,691.33	7,625.93	65.40	117.603					
14,900.00	6,762.19	6,424.00	6,392.36	233.37	29.75	46.48	-387.94	297.43	7,790.94	7,725.46	65.47	118.995					
15,000.00	6,760.76	6,424.00	6,392.36	236.20	29.75	46.48	-387.94	297.43	7,890.55	7,825.00	65.55	120.382					
15,100.00	6,759.34	6,424.00	6,392.36	239.03	29.75	46.48	-387.94	297.43	7,990.18	7,924.56	65.62	121.765					
15,200.00	6,757.92	6,424.00	6,392.36	241.86	29.75	46.48	-387.94	297.43	8,089.81	8,024.11	65.69	123.143					
15,300.00	6,756.49	6,424.00	6,392.36	244.70	29.75	46.48	-387.94	297.43	8,189.45	8,123.68	65.77	124.517					
15,334.64	6,756.00	6,424.00	6,392.36	245.68	29.75	46.48	-387.94	297.43	8,223.97	8,158.17	65.80	124.992					
15,335.52	6,755.99	6,424.00	6,392.36	245.70	29.75	46.48	-387.94	297.43	8,224.85	8,159.05	65.80	125.004					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
0.00	0.00	0.00	0.00	3.28	3.28	77.76	113.67	524.18	536.41					
100.00	100.00	99.56	99.55	3.28	3.29	77.78	113.44	523.60	535.79	529.22	6.57	81.519		
200.00	200.00	202.73	202.71	3.34	3.32	77.80	112.82	521.90	534.04	527.38	6.66	80.188		
300.00	300.00	298.36	298.32	3.44	3.41	77.74	113.07	520.42	532.59	525.73	6.86	77.676		
400.00	399.98	393.35	393.30	3.60	3.55	-52.71	114.67	519.59	531.03	523.89	7.14	74.343		
500.00	499.84	487.17	487.04	3.79	3.72	-53.57	118.31	519.13	528.30	520.79	7.51	70.350		
600.00	599.45	580.16	579.77	4.03	3.93	-55.07	125.23	519.22	525.11	517.15	7.96	66.001		
700.00	698.70	676.90	676.15	4.30	4.18	-57.08	133.67	519.49	520.96	512.48	8.48	61.405		
785.00	782.69	758.66	757.59	4.56	4.42	-59.05	140.75	520.01	516.78	507.80	8.98	57.523		
800.00	797.47	773.18	772.05	4.60	4.47	-59.42	142.08	520.09	516.01	506.94	9.08	56.846		
900.00	896.04	867.36	865.71	4.94	4.78	-61.97	151.96	520.30	511.64	501.92	9.72	52.620		
1,000.00	994.61	959.76	957.18	5.30	5.12	-64.87	165.01	520.01	509.44	499.02	10.42	48.894		
1,062.81	1,056.52	1,019.30	1,015.88	5.54	5.35	-66.91	174.93	519.27	509.05	498.17	10.88	46.768 CC		
1,100.00	1,093.18	1,053.37	1,049.41	5.69	5.49	-68.13	180.99	518.71	509.23	498.06	11.17	45.600 ES		
1,200.00	1,191.75	1,146.74	1,141.12	6.08	5.90	-71.53	198.41	517.09	511.44	499.49	11.95	42.796		
1,300.00	1,290.32	1,241.27	1,234.01	6.49	6.33	-74.91	215.86	515.46	515.59	502.83	12.76	40.404		
1,400.00	1,388.89	1,335.85	1,326.93	6.91	6.77	-78.23	233.42	514.09	521.98	508.40	13.58	38.426		
1,500.00	1,487.46	1,438.62	1,428.02	7.34	7.27	-81.72	251.83	512.19	529.57	515.11	14.45	36.639		
1,600.00	1,586.03	1,536.30	1,524.34	7.77	7.74	-84.90	267.91	509.54	537.35	522.04	15.30	35.112		
1,700.00	1,684.61	1,634.81	1,621.41	8.22	8.23	-88.02	284.47	506.99	547.14	530.98	16.16	33.858		
1,800.00	1,783.18	1,729.19	1,714.55	8.66	8.69	-90.91	299.39	503.80	557.28	540.28	16.99	32.791		
1,900.00	1,881.75	1,816.42	1,800.51	9.11	9.13	-93.46	314.05	501.83	570.29	552.51	17.78	32.070		
2,000.00	1,980.32	1,906.73	1,889.54	9.57	9.59	-95.87	329.23	501.26	585.51	566.93	18.58	31.512		
2,100.00	2,078.89	1,994.43	1,975.88	10.02	10.05	-98.09	344.60	501.31	602.82	583.47	19.36	31.145		
2,200.00	2,177.46	2,085.84	2,065.60	10.49	10.54	-100.35	362.05	501.40	622.52	602.36	20.15	30.888		
2,300.00	2,276.03	2,197.34	2,175.16	10.95	11.14	-103.06	382.66	499.47	641.98	620.88	21.11	30.417		
2,400.00	2,374.60	2,289.57	2,265.92	11.41	11.63	-105.29	398.63	495.92	660.64	638.72	21.92	30.144		
2,500.00	2,473.17	2,374.68	2,349.35	11.88	12.10	-107.29	415.20	492.75	682.24	659.57	22.67	30.098		
2,600.00	2,571.74	2,473.49	2,446.36	12.35	12.64	-109.38	433.79	490.10	704.57	681.04	23.53	29.947		
2,700.00	2,670.31	2,560.59	2,531.94	12.82	13.12	-111.05	449.91	488.61	727.72	703.44	24.29	29.963		
2,800.00	2,768.88	2,642.28	2,611.98	13.29	13.58	-112.44	466.22	488.74	753.32	728.32	25.00	30.138		
2,900.00	2,867.45	2,737.58	2,705.24	13.76	14.13	-113.98	485.82	488.79	780.03	754.20	25.83	30.199		
3,000.00	2,966.02	2,834.86	2,800.46	14.24	14.68	-115.51	505.73	488.06	806.99	780.30	26.69	30.241		
3,100.00	3,064.59	2,932.55	2,896.09	14.71	15.24	-117.02	525.55	486.15	834.06	806.51	27.55	30.279		
3,200.00	3,163.16	3,030.96	2,992.55	15.19	15.81	-118.43	545.03	484.49	861.19	832.77	28.42	30.306		
3,300.00	3,261.73	3,131.64	3,091.30	15.66	16.38	-119.81	564.49	482.16	888.22	858.91	29.31	30.307		
3,400.00	3,360.30	3,231.41	3,189.34	16.14	16.94	-121.05	582.89	480.51	914.90	884.71	30.19	30.303		
3,500.00	3,458.87	3,329.49	3,285.78	16.62	17.48	-122.21	600.68	478.69	941.62	910.56	31.06	30.316		
3,600.00	3,557.44	3,426.56	3,381.34	17.10	18.02	-123.19	617.76	478.54	968.27	936.35	31.92	30.332		
3,700.00	3,656.01	3,524.02	3,477.29	17.58	18.55	-124.13	634.78	478.38	995.06	962.27	32.79	30.346		
3,800.00	3,754.58	3,627.37	3,579.14	18.06	19.11	-125.07	652.36	477.95	1,021.60	987.89	33.71	30.305		
3,900.00	3,853.15	3,708.39	3,658.99	18.54	19.55	-125.80	666.03	477.32	1,048.28	1,013.85	34.43	30.443		
4,000.00	3,951.72	3,787.38	3,736.57	19.02	20.00	-126.46	680.91	476.96	1,076.98	1,041.85	35.14	30.652		
4,100.00	4,050.29	3,876.89	3,824.34	19.50	20.51	-127.20	698.49	476.34	1,106.66	1,070.72	35.94	30.792		
4,200.00	4,148.86	3,974.02	3,919.53	19.98	21.07	-127.98	717.73	475.16	1,136.69	1,099.87	36.82	30.871		
4,300.00	4,247.43	4,076.22	4,019.83	20.46	21.66	-128.79	737.28	473.18	1,166.25	1,128.49	37.75	30.892		
4,400.00	4,346.00	4,178.42	4,120.20	20.94	22.24	-129.58	756.38	470.89	1,195.58	1,156.90	38.68	30.908		
4,500.00	4,444.58	4,270.79	4,211.01	21.43	22.76	-130.29	773.02	468.17	1,224.46	1,184.94	39.52	30.986		
4,600.00	4,543.15	4,360.86	4,299.45	21.91	23.27	-130.85	790.09	467.71	1,254.29	1,213.95	40.33	31.097		
4,700.00	4,641.72	4,462.88	4,399.70	22.39	23.85	-131.46	808.96	467.09	1,283.80	1,242.53	41.27	31.108		
4,800.00	4,740.29	4,562.84	4,498.01	22.87	24.41	-132.06	827.06	465.78	1,313.11	1,270.92	42.18	31.130		
4,900.00	4,838.86	4,654.85	4,588.54	23.36	24.93	-132.60	843.43	464.17	1,342.24	1,299.22	43.02	31.200		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	4,937.43	4,750.45	4,682.51	23.84	25.46	-133.09	860.95	463.87	1,371.91	1,328.02	43.90	31.254		
5,100.00	5,036.00	4,850.65	4,781.11	24.32	26.02	-133.59	878.78	463.29	1,401.16	1,356.34	44.82	31.265		
5,200.00	5,134.57	4,951.88	4,880.76	24.81	26.59	-134.10	896.52	462.10	1,430.30	1,384.56	45.74	31.268		
5,300.00	5,233.14	5,063.42	4,990.73	25.29	27.20	-134.65	915.13	460.48	1,458.76	1,412.00	46.76	31.195		
5,400.00	5,331.71	5,141.25	5,067.49	25.78	27.62	-135.00	927.98	459.83	1,487.10	1,439.62	47.48	31.322		
5,500.00	5,430.28	5,234.63	5,159.39	26.26	28.14	-135.43	944.45	458.42	1,516.64	1,468.30	48.33	31.378		
5,600.00	5,528.85	5,321.08	5,244.53	26.75	28.62	-135.83	959.35	456.55	1,545.97	1,496.84	49.13	31.469		
5,700.00	5,627.42	5,406.28	5,328.26	27.23	29.10	-136.23	974.93	454.26	1,576.41	1,526.50	49.91	31.587		
5,800.00	5,725.99	5,518.24	5,438.35	27.72	29.73	-136.66	995.29	453.31	1,606.63	1,555.68	50.95	31.535		
5,900.00	5,824.56	5,635.35	5,553.79	28.20	30.37	-137.11	1,014.89	451.79	1,635.56	1,583.53	52.03	31.438		
6,000.00	5,923.13	5,812.34	5,729.14	28.69	31.27	-137.82	1,038.61	449.07	1,661.24	1,607.68	53.56	31.019		
6,100.00	6,021.70	6,122.51	6,038.70	29.17	32.51	-139.07	1,053.47	445.39	1,678.86	1,623.38	55.48	30.259		
6,200.00	6,120.27	6,206.53	6,122.71	29.66	32.78	-139.38	1,052.64	445.67	1,690.68	1,634.41	56.27	30.046		
6,238.51	6,158.23	6,246.19	6,162.37	29.84	32.91	-139.53	1,052.43	445.65	1,695.44	1,638.84	56.59	29.959		
6,250.00	6,169.57	6,259.54	6,175.72	29.90	32.95	-144.12	1,052.34	445.71	1,696.82	1,640.13	56.69	29.930		
6,300.00	6,219.12	6,317.96	6,234.14	30.13	33.14	-173.65	1,051.84	446.36	1,702.39	1,645.27	57.12	29.802		
6,350.00	6,268.78	6,359.67	6,275.84	30.33	33.28	148.25	1,051.54	447.15	1,707.42	1,649.92	57.50	29.695		
6,400.00	6,318.25	6,401.88	6,318.04	30.52	33.42	123.22	1,051.45	448.13	1,712.10	1,654.24	57.86	29.590		
6,450.00	6,367.22	6,451.95	6,368.03	30.69	33.59	110.52	1,051.67	450.65	1,716.35	1,658.09	58.25	29.464		
6,500.00	6,415.39	6,500.80	6,416.53	30.86	33.76	103.77	1,052.34	456.40	1,720.06	1,661.42	58.64	29.332		
6,550.00	6,462.47	6,532.57	6,447.71	31.02	33.87	99.69	1,053.18	462.38	1,723.58	1,664.60	58.98	29.223		
6,600.00	6,508.16	6,558.50	6,472.69	31.18	33.96	97.04	1,054.33	469.21	1,727.32	1,668.02	59.30	29.130		
6,650.00	6,552.18	6,579.80	6,492.80	31.34	34.04	95.18	1,055.58	476.11	1,731.46	1,671.87	59.59	29.054		
6,700.00	6,594.26	6,600.00	6,511.46	31.51	34.11	93.82	1,057.02	483.70	1,736.17	1,676.28	59.89	28.989		
6,750.00	6,634.14	6,640.42	6,548.45	31.68	34.25	93.40	1,059.88	499.74	1,741.37	1,681.05	60.32	28.870		
6,800.00	6,671.58	6,688.06	6,592.28	31.86	34.41	93.45	1,062.58	518.22	1,746.88	1,686.08	60.81	28.728		
6,850.00	6,706.34	6,709.74	6,612.31	32.06	34.49	92.88	1,063.60	526.45	1,752.97	1,691.79	61.19	28.650		
6,900.00	6,738.21	6,903.97	6,781.96	32.27	35.04	97.97	1,062.29	618.58	1,759.50	1,697.11	62.39	28.201		
6,950.00	6,766.99	6,902.47	6,780.79	32.52	35.03	96.81	1,062.39	617.66	1,766.79	1,704.01	62.78	28.142		
7,000.00	6,792.51	6,898.58	6,777.73	32.80	35.02	95.55	1,062.65	615.27	1,775.39	1,712.21	63.18	28.102		
7,050.00	6,814.61	6,892.60	6,773.01	33.12	35.01	94.18	1,063.06	611.62	1,785.20	1,721.62	63.59	28.075		
7,100.00	6,833.15	6,884.18	6,766.32	33.48	35.00	92.69	1,063.65	606.55	1,796.11	1,732.10	64.01	28.060		
7,150.00	6,848.02	6,749.21	6,648.98	33.89	34.62	87.17	1,065.47	540.93	1,807.52	1,743.83	63.69	28.379		
7,200.00	6,859.13	6,738.03	6,638.58	34.35	34.58	85.61	1,064.95	536.87	1,819.32	1,755.18	64.13	28.367		
7,250.00	6,866.40	6,724.69	6,626.17	34.86	34.54	84.00	1,064.31	532.00	1,831.62	1,767.03	64.59	28.357		
7,300.00	6,869.79	7,300.00	6,577.27	35.40	36.66	81.23	1,061.46	511.75	1,844.14	1,777.04	67.10	27.484 SF		
7,327.68	6,870.00	6,690.50	6,594.53	35.71	34.42	81.16	1,062.70	519.15	1,851.33	1,786.07	65.26	28.370		
7,400.00	6,868.97	6,600.00	6,511.46	36.61	34.11	78.54	1,057.02	483.70	1,870.33	1,804.90	65.44	28.583		
7,500.00	6,867.54	6,600.00	6,511.46	38.01	34.11	78.54	1,057.02	483.70	1,899.90	1,833.07	66.83	28.429		
7,600.00	6,866.12	6,600.00	6,511.46	39.58	34.11	78.54	1,057.02	483.70	1,934.20	1,865.93	68.27	28.332		
7,700.00	6,864.69	6,600.00	6,511.46	41.29	34.11	78.54	1,057.02	483.70	1,972.97	1,903.25	69.72	28.298		
7,800.00	6,863.27	6,563.22	6,477.18	43.12	33.98	77.46	1,054.58	470.64	2,014.42	1,943.55	70.87	28.423		
7,900.00	6,861.85	6,556.52	6,470.80	45.06	33.95	77.26	1,054.22	468.63	2,060.69	1,988.45	72.24	28.525		
8,000.00	6,860.42	6,550.50	6,465.04	47.10	33.93	77.09	1,053.93	466.92	2,110.59	2,037.03	73.57	28.690		
8,100.00	6,859.00	6,545.06	6,459.80	49.21	33.91	76.92	1,053.68	465.45	2,163.89	2,089.05	74.84	28.914		
8,200.00	6,857.57	6,505.00	6,420.68	51.40	33.77	75.72	1,052.42	457.05	2,221.91	2,146.11	75.80	29.313		
8,300.00	6,856.15	6,505.00	6,420.68	53.65	33.77	75.72	1,052.42	457.05	2,280.95	2,203.97	76.99	29.628		
8,400.00	6,854.72	6,505.00	6,420.68	55.96	33.77	75.72	1,052.42	457.05	2,342.78	2,264.68	78.10	29.997		
8,500.00	6,853.30	6,505.00	6,420.68	58.31	33.77	75.72	1,052.42	457.05	2,407.17	2,328.03	79.14	30.417		
8,600.00	6,851.88	6,505.00	6,420.68	60.70	33.77	75.72	1,052.42	457.05	2,473.94	2,393.83	80.11	30.883		
8,700.00	6,850.45	6,505.00	6,420.68	63.14	33.77	75.72	1,052.42	457.05	2,542.88	2,461.87	81.01	31.392		
8,800.00	6,849.03	6,505.00	6,420.68	65.60	33.77	75.72	1,052.42	457.05	2,613.83	2,531.99	81.84	31.939		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,505.00	6,420.68	68.10	33.77	75.72	1,052.42	457.05	2,686.63	2,604.02	82.61	32.522		
9,000.00	6,846.18	6,505.00	6,420.68	70.62	33.77	75.72	1,052.42	457.05	2,761.13	2,677.81	83.32	33.138		
9,100.00	6,844.75	6,505.00	6,420.68	73.17	33.77	75.72	1,052.42	457.05	2,837.20	2,753.22	83.98	33.784		
9,200.00	6,843.33	6,505.00	6,420.68	75.73	33.77	75.72	1,052.42	457.05	2,914.72	2,830.13	84.59	34.456		
9,300.00	6,841.91	6,505.00	6,420.68	78.32	33.77	75.72	1,052.42	457.05	2,993.57	2,908.41	85.16	35.154		
9,400.00	6,840.48	6,505.00	6,420.68	80.92	33.77	75.72	1,052.42	457.05	3,073.65	2,987.97	85.68	35.874		
9,500.00	6,839.06	6,505.00	6,420.68	83.54	33.77	75.72	1,052.42	457.05	3,154.87	3,068.71	86.16	36.615		
9,600.00	6,837.63	6,505.00	6,420.68	86.18	33.77	75.72	1,052.42	457.05	3,237.14	3,150.53	86.61	37.375		
9,700.00	6,836.21	6,505.00	6,420.68	88.82	33.77	75.72	1,052.42	457.05	3,320.38	3,233.35	87.03	38.153		
9,800.00	6,834.78	6,505.00	6,420.68	91.48	33.77	75.72	1,052.42	457.05	3,404.53	3,317.11	87.42	38.946		
9,900.00	6,833.36	6,505.00	6,420.68	94.15	33.77	75.72	1,052.42	457.05	3,489.51	3,401.74	87.78	39.755		
10,000.00	6,831.94	6,505.00	6,420.68	96.83	33.77	75.72	1,052.42	457.05	3,575.27	3,487.16	88.11	40.577		
10,100.00	6,830.51	6,505.00	6,420.68	99.52	33.77	75.72	1,052.42	457.05	3,661.75	3,573.33	88.42	41.412		
10,200.00	6,829.09	6,505.00	6,420.68	102.22	33.77	75.72	1,052.42	457.05	3,748.91	3,660.19	88.72	42.258		
10,300.00	6,827.66	6,505.00	6,420.68	104.92	33.77	75.72	1,052.42	457.05	3,836.69	3,747.70	88.99	43.115		
10,400.00	6,826.24	6,505.00	6,420.68	107.63	33.77	75.72	1,052.42	457.05	3,925.05	3,835.81	89.24	43.981		
10,500.00	6,824.81	6,505.00	6,420.68	110.35	33.77	75.72	1,052.42	457.05	4,013.97	3,924.48	89.48	44.857		
10,600.00	6,823.39	6,505.00	6,420.68	113.08	33.77	75.72	1,052.42	457.05	4,103.39	4,013.68	89.71	45.742		
10,700.00	6,821.96	6,505.00	6,420.68	115.81	33.77	75.72	1,052.42	457.05	4,193.29	4,103.37	89.92	46.634		
10,800.00	6,820.54	6,505.00	6,420.68	118.54	33.77	75.72	1,052.42	457.05	4,283.64	4,193.52	90.12	47.533		
10,900.00	6,819.12	6,505.00	6,420.68	121.29	33.77	75.72	1,052.42	457.05	4,374.40	4,284.10	90.31	48.439		
11,000.00	6,817.69	6,464.22	6,380.25	124.03	33.63	74.49	1,051.80	451.78	4,464.27	4,373.91	90.36	49.403		
11,100.00	6,816.27	6,462.59	6,378.63	126.78	33.63	74.44	1,051.78	451.62	4,555.70	4,465.17	90.53	50.323		
11,200.00	6,814.84	6,461.03	6,377.07	129.54	33.62	74.39	1,051.76	451.47	4,647.48	4,556.79	90.69	51.248		
11,300.00	6,813.42	6,459.52	6,375.57	132.29	33.62	74.35	1,051.75	451.33	4,739.58	4,648.75	90.84	52.177		
11,400.00	6,811.99	6,458.07	6,374.13	135.05	33.61	74.30	1,051.73	451.19	4,832.00	4,741.02	90.98	53.112		
11,500.00	6,810.57	6,456.67	6,372.73	137.82	33.61	74.26	1,051.72	451.06	4,924.71	4,833.60	91.11	54.050		
11,534.42	6,810.08	6,456.20	6,372.27	138.77	33.60	74.25	1,051.71	451.02	4,956.69	4,865.53	91.16	54.374		
11,600.00	6,809.15	6,455.32	6,371.39	140.59	33.60	75.09	1,051.70	450.94	5,017.43	4,926.18	91.25	54.988		
11,645.35	6,808.50	6,454.73	6,370.80	141.85	33.60	75.63	1,051.70	450.89	5,059.19	4,967.88	91.31	55.409		
11,700.00	6,807.72	6,454.02	6,370.10	143.37	33.60	75.61	1,051.69	450.83	5,109.42	5,018.04	91.38	55.913		
11,800.00	6,806.30	6,452.77	6,368.85	146.16	33.59	75.58	1,051.68	450.72	5,201.57	5,110.05	91.51	56.840		
11,900.00	6,804.88	6,451.56	6,367.64	148.94	33.59	75.54	1,051.67	450.62	5,294.00	5,202.36	91.64	57.770		
12,000.00	6,803.45	6,410.00	6,326.15	151.74	33.45	74.40	1,051.46	448.34	5,387.96	5,296.32	91.64	58.794		
12,100.00	6,802.03	6,410.00	6,326.15	154.53	33.45	74.40	1,051.46	448.34	5,480.84	5,389.08	91.76	59.729		
12,200.00	6,800.61	6,410.00	6,326.15	157.32	33.45	74.40	1,051.46	448.34	5,573.97	5,482.09	91.88	60.667		
12,300.00	6,799.18	6,410.00	6,326.15	160.12	33.45	74.40	1,051.46	448.34	5,667.34	5,575.35	91.99	61.608		
12,400.00	6,797.76	6,410.00	6,326.15	162.92	33.45	74.40	1,051.46	448.34	5,760.92	5,668.83	92.10	62.552		
12,500.00	6,796.34	6,410.00	6,326.15	165.72	33.45	74.40	1,051.46	448.34	5,854.72	5,762.52	92.20	63.498		
12,600.00	6,794.92	6,410.00	6,326.15	168.53	33.45	74.40	1,051.46	448.34	5,948.72	5,856.42	92.30	64.448		
12,700.00	6,793.49	6,410.00	6,326.15	171.33	33.45	74.40	1,051.46	448.34	6,042.92	5,950.52	92.40	65.399		
12,800.00	6,792.07	6,410.00	6,326.15	174.14	33.45	74.40	1,051.46	448.34	6,137.29	6,044.80	92.50	66.353		
12,900.00	6,790.65	6,410.00	6,326.15	176.95	33.45	74.40	1,051.46	448.34	6,231.85	6,139.26	92.59	67.308		
13,000.00	6,789.22	6,410.00	6,326.15	179.76	33.45	74.40	1,051.46	448.34	6,326.57	6,233.89	92.68	68.266		
13,100.00	6,787.80	6,410.00	6,326.15	182.57	33.45	74.40	1,051.46	448.34	6,421.45	6,328.68	92.76	69.225		
13,200.00	6,786.38	6,410.00	6,326.15	185.38	33.45	74.40	1,051.46	448.34	6,516.48	6,423.63	92.85	70.185		
13,300.00	6,784.95	6,410.00	6,326.15	188.20	33.45	74.40	1,051.46	448.34	6,611.66	6,518.73	92.93	71.147		
13,400.00	6,783.53	6,410.00	6,326.15	191.01	33.45	74.40	1,051.46	448.34	6,706.98	6,613.97	93.01	72.111		
13,500.00	6,782.11	6,410.00	6,326.15	193.83	33.45	74.40	1,051.46	448.34	6,802.44	6,709.35	93.09	73.075		
13,600.00	6,780.68	6,410.00	6,326.15	196.65	33.45	74.40	1,051.46	448.34	6,898.02	6,804.85	93.17	74.041		
13,700.00	6,779.26	6,410.00	6,326.15	199.47	33.45	74.40	1,051.46	448.34	6,993.73	6,900.48	93.24	75.007		
13,800.00	6,777.84	6,410.00	6,326.15	202.29	33.45	74.40	1,051.46	448.34	7,089.55	6,996.24	93.31	75.975		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	6,410.00	6,326.15	205.11	33.45	74.40	1,051.46	448.34	7,185.49	7,092.10	93.39	76.943		
14,000.00	6,774.99	6,410.00	6,326.15	207.93	33.45	74.40	1,051.46	448.34	7,281.54	7,188.08	93.46	77.911		
14,100.00	6,773.57	6,410.00	6,326.15	210.76	33.45	74.40	1,051.46	448.34	7,377.69	7,284.16	93.53	78.880		
14,200.00	6,772.15	6,410.00	6,326.15	213.58	33.45	74.40	1,051.46	448.34	7,473.95	7,380.35	93.60	79.850		
14,300.00	6,770.72	6,410.00	6,326.15	216.40	33.45	74.40	1,051.46	448.34	7,570.30	7,476.63	93.67	80.820		
14,400.00	6,769.30	6,410.00	6,326.15	219.23	33.45	74.40	1,051.46	448.34	7,666.74	7,573.01	93.74	81.791		
14,500.00	6,767.88	6,410.00	6,326.15	222.06	33.45	74.40	1,051.46	448.34	7,763.28	7,669.47	93.80	82.761		
14,600.00	6,766.45	6,410.00	6,326.15	224.89	33.45	74.40	1,051.46	448.34	7,859.90	7,766.03	93.87	83.732		
14,700.00	6,765.03	6,410.00	6,326.15	227.71	33.45	74.40	1,051.46	448.34	7,956.60	7,862.67	93.94	84.703		
14,800.00	6,763.61	6,410.00	6,326.15	230.54	33.45	74.40	1,051.46	448.34	8,053.39	7,959.39	94.00	85.674		
14,900.00	6,762.19	6,410.00	6,326.15	233.37	33.45	74.40	1,051.46	448.34	8,150.25	8,056.19	94.07	86.645		
15,000.00	6,760.76	6,410.00	6,326.15	236.20	33.45	74.40	1,051.46	448.34	8,247.19	8,153.06	94.13	87.616		
15,100.00	6,759.34	6,410.00	6,326.15	239.03	33.45	74.40	1,051.46	448.34	8,344.20	8,250.01	94.19	88.586		
15,200.00	6,757.92	6,410.00	6,326.15	241.86	33.45	74.40	1,051.46	448.34	8,441.28	8,347.02	94.26	89.557		
15,300.00	6,756.49	6,410.00	6,326.15	244.70	33.45	74.40	1,051.46	448.34	8,538.43	8,444.11	94.32	90.527		
15,334.64	6,756.00	6,410.00	6,326.15	245.68	33.45	74.40	1,051.46	448.34	8,572.09	8,477.75	94.34	90.863		
15,335.52	6,755.99	6,410.00	6,326.15	245.70	33.45	74.40	1,051.46	448.34	8,572.95	8,478.61	94.34	90.871		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	93.64	93.64	3.28	3.29	79.31	98.60	522.48	531.70	525.13	6.57	80.914	
200.00	200.00	195.33	195.33	3.34	3.32	79.36	98.14	522.34	531.49	524.83	6.65	79.870	
300.00	300.00	299.21	299.20	3.44	3.41	79.44	97.27	521.64	530.67	523.81	6.86	77.347	
400.00	399.98	398.59	398.57	3.60	3.56	-50.79	96.62	520.55	528.37	521.21	7.16	73.814	
500.00	499.84	502.14	502.11	3.79	3.76	-51.28	95.97	519.28	523.76	516.20	7.55	69.355	
600.00	599.45	602.35	602.31	4.03	3.99	-52.12	95.25	517.51	516.46	508.44	8.02	64.403	
700.00	698.70	695.96	695.91	4.30	4.24	-53.30	95.18	516.19	507.65	499.12	8.53	59.499	
785.00	782.69	781.86	781.80	4.56	4.48	-54.75	95.73	515.19	499.07	490.03	9.03	55.250	
800.00	797.47	797.05	796.98	4.60	4.52	-55.01	95.85	514.96	497.41	488.28	9.13	54.502	
900.00	896.04	891.76	891.67	4.94	4.81	-56.79	97.52	513.59	486.94	477.19	9.74	49.971	
1,000.00	994.61	986.22	986.06	5.30	5.11	-58.81	100.88	512.42	477.74	467.34	10.40	45.932	
1,100.00	1,093.18	1,079.06	1,078.79	5.69	5.42	-61.00	105.43	511.74	470.15	459.06	11.09	42.400	
1,200.00	1,191.75	1,171.15	1,170.72	6.08	5.73	-63.29	110.87	511.82	464.50	452.70	11.80	39.354	
1,300.00	1,290.32	1,271.38	1,270.73	6.49	6.09	-65.90	117.45	512.01	460.11	447.54	12.57	36.596	
1,400.00	1,388.89	1,365.30	1,364.36	6.91	6.44	-68.55	124.75	511.50	456.62	443.28	13.34	34.218	
1,488.11	1,475.75	1,445.43	1,443.97	7.29	6.76	-71.17	133.76	510.57	455.58	441.54	14.03	32.463 CC	
1,500.00	1,487.46	1,456.18	1,454.63	7.34	6.80	-71.54	135.15	510.41	455.60	441.47	14.13	32.250 ES	
1,600.00	1,586.03	1,552.11	1,549.56	7.77	7.19	-75.02	148.85	508.49	457.02	442.07	14.95	30.570	
1,700.00	1,684.61	1,652.49	1,648.80	8.22	7.62	-78.74	163.56	505.32	459.65	443.84	15.81	29.072	
1,800.00	1,783.18	1,753.45	1,748.66	8.66	8.06	-82.48	177.79	501.05	463.05	446.37	16.69	27.751	
1,900.00	1,881.75	1,852.34	1,846.56	9.11	8.50	-86.05	190.93	496.31	467.41	449.85	17.56	26.622	
2,000.00	1,980.32	1,937.44	1,930.84	9.57	8.89	-88.99	202.22	493.05	474.18	455.83	18.35	25.844	
2,100.00	2,078.89	2,036.42	2,028.83	10.02	9.34	-92.25	215.96	490.39	483.71	464.50	19.22	25.171	
2,200.00	2,177.46	2,136.61	2,128.16	10.49	9.80	-95.36	228.69	487.48	493.69	473.60	20.09	24.571	
2,300.00	2,276.03	2,237.26	2,228.08	10.95	10.26	-98.30	240.44	484.59	504.19	483.23	20.97	24.045	
2,400.00	2,374.60	2,324.54	2,314.63	11.41	10.67	-100.83	251.32	481.59	516.35	494.59	21.75	23.737	
2,500.00	2,473.17	2,408.12	2,397.24	11.88	11.08	-103.25	263.64	478.60	531.65	509.15	22.49	23.634	
2,600.00	2,571.74	2,512.79	2,500.61	12.35	11.59	-106.13	279.65	475.07	548.77	525.36	23.41	23.444	
2,700.00	2,670.31	2,591.71	2,578.55	12.82	11.98	-108.17	291.79	472.47	567.13	543.03	24.09	23.540	
2,800.00	2,768.88	2,681.06	2,666.50	13.29	12.44	-110.33	307.44	470.50	588.71	563.85	24.86	23.679	
2,900.00	2,867.45	2,780.18	2,763.99	13.76	12.95	-112.66	325.03	467.30	611.15	585.42	25.73	23.753	
3,000.00	2,966.02	2,871.49	2,853.88	14.24	13.42	-114.61	340.83	464.69	634.12	607.60	26.52	23.915	
3,100.00	3,064.59	2,966.94	2,947.88	14.71	13.91	-116.34	357.34	464.05	658.23	630.89	27.35	24.071	
3,200.00	3,163.16	3,068.30	3,047.77	15.19	14.43	-118.11	374.48	462.62	682.40	654.16	28.24	24.166	
3,300.00	3,261.73	3,170.39	3,148.51	15.66	14.96	-119.83	390.86	460.14	706.12	676.98	29.14	24.235	
3,400.00	3,360.30	3,271.34	3,248.21	16.14	15.48	-121.49	406.30	456.76	729.52	699.50	30.02	24.298	
3,500.00	3,458.87	3,364.03	3,339.81	16.62	15.95	-122.89	420.25	453.91	753.22	722.39	30.83	24.430	
3,600.00	3,557.44	3,465.23	3,439.84	17.10	16.47	-124.31	435.28	451.10	777.20	745.47	31.72	24.498	
3,700.00	3,656.01	3,546.97	3,520.59	17.58	16.89	-125.36	447.81	449.22	802.02	769.60	32.42	24.736	
3,800.00	3,754.58	3,646.67	3,619.00	18.06	17.41	-126.50	463.75	448.02	827.87	794.56	33.31	24.854	
3,900.00	3,853.15	3,740.69	3,711.84	18.54	17.90	-127.57	478.46	446.04	853.64	819.50	34.14	25.007	
4,000.00	3,951.72	3,830.48	3,800.43	19.02	18.37	-128.58	492.88	443.44	880.09	845.16	34.92	25.202	
4,100.00	4,050.29	3,924.55	3,893.14	19.50	18.87	-129.64	508.36	439.84	907.22	871.46	35.75	25.374	
4,200.00	4,148.86	4,022.93	3,990.11	19.98	19.40	-130.72	524.38	435.43	934.49	897.86	36.63	25.510	
4,300.00	4,247.43	4,132.17	4,097.93	20.46	19.97	-131.86	541.17	430.38	961.18	923.56	37.62	25.548	
4,400.00	4,346.00	4,241.01	4,205.59	20.94	20.53	-132.94	556.28	425.19	986.71	948.11	38.60	25.562	
4,500.00	4,444.58	4,341.56	4,305.17	21.43	21.04	-133.92	569.22	419.94	1,011.55	972.06	39.50	25.612	
4,600.00	4,543.15	4,447.05	4,409.75	21.91	21.57	-134.75	582.75	417.09	1,036.37	995.93	40.44	25.629	
4,700.00	4,641.72	4,579.18	4,541.16	22.39	22.20	-135.70	596.17	414.49	1,058.59	1,017.00	41.59	25.452	
4,800.00	4,740.29	4,701.43	4,663.05	22.87	22.75	-136.49	605.47	413.23	1,078.45	1,035.81	42.63	25.295	
4,900.00	4,838.86	4,854.46	4,815.92	23.36	23.38	-137.51	611.38	410.87	1,094.91	1,051.10	43.81	24.992	

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	4,937.43	4,961.66	4,923.11	23.84	23.80	-138.22	611.79	409.41	1,108.02	1,063.32	44.70	24.786		
5,100.00	5,036.00	5,057.48	5,018.92	24.32	24.17	-138.83	612.39	408.16	1,121.54	1,075.99	45.55	24.623		
5,200.00	5,134.57	5,158.88	5,120.31	24.81	24.56	-139.48	612.96	406.58	1,135.18	1,088.76	46.42	24.456		
5,300.00	5,233.14	5,255.50	5,216.91	25.29	24.94	-140.10	613.29	404.70	1,148.80	1,101.54	47.26	24.306		
5,400.00	5,331.71	5,360.52	5,321.91	25.78	25.34	-140.77	613.52	402.62	1,162.45	1,114.30	48.15	24.142		
5,500.00	5,430.28	5,454.48	5,415.85	26.26	25.71	-141.34	613.55	400.83	1,176.04	1,127.05	48.98	24.009		
5,600.00	5,528.85	5,539.55	5,500.90	26.75	26.05	-141.85	614.23	399.23	1,190.49	1,140.71	49.78	23.917		
5,700.00	5,627.42	5,653.57	5,614.91	27.23	26.50	-142.43	615.66	398.78	1,205.19	1,154.48	50.72	23.763		
5,800.00	5,725.99	5,738.36	5,699.66	27.72	26.83	-142.74	617.04	400.67	1,219.72	1,168.22	51.50	23.683		
5,900.00	5,824.56	5,825.77	5,787.00	28.20	27.18	-143.02	619.46	403.16	1,235.25	1,182.94	52.30	23.617		
6,000.00	5,923.13	5,954.15	5,915.35	28.69	27.69	-143.56	621.22	404.05	1,249.96	1,196.64	53.32	23.441		
6,100.00	6,021.70	6,042.15	6,003.35	29.17	28.04	-144.00	621.43	403.16	1,264.10	1,209.97	54.13	23.353		
6,200.00	6,120.27	6,141.94	6,103.12	29.66	28.44	-144.50	622.36	401.72	1,279.10	1,224.10	55.00	23.256		
6,238.51	6,158.23	6,239.71	6,200.87	29.84	28.81	-144.96	620.73	401.42	1,283.83	1,228.25	55.58	23.098		
6,250.00	6,169.57	6,233.97	6,195.13	29.90	28.79	-149.46	621.02	401.40	1,285.14	1,229.52	55.62	23.107		
6,300.00	6,219.12	6,270.46	6,231.61	30.13	28.92	-178.93	620.38	401.85	1,290.43	1,234.45	55.98	23.051		
6,350.00	6,268.78	6,306.89	6,268.03	30.33	29.06	143.02	620.23	402.69	1,295.34	1,239.01	56.33	22.996		
6,400.00	6,318.25	6,373.41	6,334.43	30.52	29.31	118.38	620.59	406.53	1,299.40	1,242.60	56.81	22.874		
6,450.00	6,367.22	6,450.69	6,410.91	30.69	29.59	106.56	621.11	417.30	1,301.72	1,244.40	57.32	22.711		
6,500.00	6,415.39	6,541.78	6,498.55	30.86	29.90	101.53	622.05	441.84	1,302.33	1,244.49	57.85	22.513		
6,550.00	6,462.47	6,621.28	6,572.54	31.02	30.15	99.59	621.40	470.85	1,300.98	1,242.65	58.33	22.305		
6,600.00	6,508.16	6,655.91	6,603.86	31.18	30.25	97.99	621.14	485.62	1,299.69	1,240.95	58.74	22.127		
6,650.00	6,552.18	6,684.21	6,628.96	31.34	30.34	97.05	621.09	498.69	1,299.10	1,239.97	59.13	21.970		
6,656.37	6,557.65	6,687.38	6,631.74	31.37	30.35	96.96	621.10	500.21	1,299.09	1,239.91	59.18	21.951		
6,700.00	6,594.26	6,716.90	6,657.33	31.51	30.43	96.81	621.15	514.94	1,299.47	1,239.91	59.56	21.819		
6,750.00	6,634.14	6,745.98	6,681.86	31.68	30.51	96.75	621.07	530.54	1,300.90	1,240.92	59.98	21.689		
6,800.00	6,671.58	6,764.15	6,696.84	31.86	30.56	96.40	620.95	540.82	1,303.73	1,243.36	60.37	21.595		
6,850.00	6,706.34	6,774.13	6,704.95	32.06	30.58	95.75	620.86	546.65	1,308.15	1,247.42	60.73	21.541		
6,900.00	6,738.21	6,777.91	6,707.99	32.27	30.60	94.81	620.82	548.89	1,314.22	1,253.16	61.06	21.524 SF		
6,950.00	6,766.99	6,776.92	6,707.20	32.52	30.59	93.63	620.83	548.30	1,321.92	1,260.55	61.37	21.540		
7,000.00	6,792.51	6,772.22	6,703.40	32.80	30.58	92.23	620.88	545.52	1,331.16	1,269.49	61.67	21.586		
7,050.00	6,814.61	6,764.57	6,697.19	33.12	30.56	90.64	620.95	541.07	1,341.83	1,279.86	61.97	21.654		
7,100.00	6,833.15	6,754.57	6,688.98	33.48	30.53	88.89	621.02	535.35	1,353.77	1,291.50	62.27	21.741		
7,150.00	6,848.02	6,742.67	6,679.10	33.89	30.50	87.03	621.09	528.71	1,366.80	1,304.21	62.59	21.839		
7,200.00	6,859.13	6,729.20	6,667.79	34.35	30.46	85.08	621.14	521.41	1,380.74	1,317.82	62.92	21.945		
7,250.00	6,866.40	6,714.44	6,655.22	34.86	30.42	83.08	621.15	513.67	1,395.41	1,332.13	63.27	22.053		
7,300.00	6,869.79	6,695.00	6,638.41	35.40	30.37	80.92	621.12	503.91	1,410.61	1,346.99	63.61	22.175		
7,327.68	6,870.00	6,695.00	6,638.41	35.71	30.37	80.13	621.12	503.91	1,419.18	1,355.26	63.92	22.202		
7,400.00	6,868.97	6,671.93	6,618.12	36.61	30.30	79.30	621.09	492.91	1,443.09	1,378.57	64.53	22.365		
7,500.00	6,867.54	6,648.56	6,597.27	38.01	30.23	78.44	621.17	482.38	1,480.69	1,415.21	65.48	22.613		
7,600.00	6,866.12	6,627.64	6,578.34	39.58	30.17	77.67	621.34	473.46	1,523.27	1,456.81	66.47	22.918		
7,700.00	6,864.69	6,600.00	6,553.00	41.29	30.09	76.64	621.69	462.45	1,570.59	1,503.23	67.37	23.313		
7,800.00	6,863.27	6,587.11	6,541.05	43.12	30.05	76.16	621.86	457.60	1,622.12	1,553.76	68.36	23.727		
7,900.00	6,861.85	6,563.33	6,518.85	45.06	29.97	75.27	622.04	449.08	1,677.54	1,608.33	69.21	24.240		
8,000.00	6,860.42	6,542.24	6,499.00	47.10	29.90	74.48	622.06	441.99	1,736.48	1,666.47	70.01	24.803		
8,100.00	6,859.00	6,523.44	6,481.16	49.21	29.84	73.78	621.95	436.04	1,798.68	1,727.91	70.77	25.416		
8,200.00	6,857.57	6,505.00	6,463.56	51.40	29.78	73.08	621.74	430.55	1,863.86	1,792.40	71.47	26.081		
8,300.00	6,856.15	6,505.00	6,463.56	53.65	29.78	73.08	621.74	430.55	1,931.87	1,859.63	72.24	26.743		
8,400.00	6,854.72	6,505.00	6,463.56	55.96	29.78	73.08	621.74	430.55	2,002.56	1,929.62	72.94	27.457		
8,500.00	6,853.30	6,505.00	6,463.56	58.31	29.78	73.08	621.74	430.55	2,075.66	2,002.10	73.56	28.217		
8,600.00	6,851.88	6,505.00	6,463.56	60.70	29.78	73.08	621.74	430.55	2,150.93	2,076.81	74.12	29.018		
8,700.00	6,850.45	6,468.83	6,428.63	63.14	29.66	71.72	621.29	421.18	2,226.94	2,152.53	74.41	29.929		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
8,800.00	6,849.03	6,463.13	6,423.08	65.60	29.64	71.51	621.23	419.90	2,305.49	2,230.65	74.84	30.805		
8,900.00	6,847.60	6,457.86	6,417.93	68.10	29.62	71.31	621.18	418.77	2,385.59	2,310.36	75.23	31.709		
9,000.00	6,846.18	6,452.97	6,413.15	70.62	29.60	71.12	621.13	417.76	2,467.10	2,391.51	75.59	32.638		
9,100.00	6,844.75	6,448.42	6,408.69	73.17	29.58	70.95	621.09	416.85	2,549.88	2,473.97	75.91	33.590		
9,200.00	6,843.33	6,410.00	6,370.79	75.73	29.45	69.51	620.80	410.60	2,634.92	2,558.91	76.01	34.664		
9,300.00	6,841.91	6,410.00	6,370.79	78.32	29.45	69.51	620.80	410.60	2,719.68	2,643.37	76.31	35.640		
9,400.00	6,840.48	6,410.00	6,370.79	80.92	29.45	69.51	620.80	410.60	2,805.45	2,728.87	76.58	36.635		
9,500.00	6,839.06	6,410.00	6,370.79	83.54	29.45	69.51	620.80	410.60	2,892.13	2,815.31	76.82	37.646		
9,600.00	6,837.63	6,410.00	6,370.79	86.18	29.45	69.51	620.80	410.60	2,979.65	2,902.60	77.05	38.673		
9,700.00	6,836.21	6,410.00	6,370.79	88.82	29.45	69.51	620.80	410.60	3,067.93	2,990.68	77.25	39.714		
9,800.00	6,834.78	6,410.00	6,370.79	91.48	29.45	69.51	620.80	410.60	3,156.90	3,079.47	77.44	40.767		
9,900.00	6,833.36	6,410.00	6,370.79	94.15	29.45	69.51	620.80	410.60	3,246.52	3,168.92	77.61	41.832		
10,000.00	6,831.94	6,410.00	6,370.79	96.83	29.45	69.51	620.80	410.60	3,336.73	3,258.97	77.77	42.908		
10,100.00	6,830.51	6,410.00	6,370.79	99.52	29.45	69.51	620.80	410.60	3,427.49	3,349.57	77.91	43.992		
10,200.00	6,829.09	6,410.00	6,370.79	102.22	29.45	69.51	620.80	410.60	3,518.74	3,440.69	78.05	45.086		
10,300.00	6,827.66	6,410.00	6,370.79	104.92	29.45	69.51	620.80	410.60	3,610.46	3,532.29	78.17	46.187		
10,400.00	6,826.24	6,410.00	6,370.79	107.63	29.45	69.51	620.80	410.60	3,702.60	3,624.32	78.29	47.295		
10,500.00	6,824.81	6,410.00	6,370.79	110.35	29.45	69.51	620.80	410.60	3,795.15	3,716.75	78.40	48.410		
10,600.00	6,823.39	6,410.00	6,370.79	113.08	29.45	69.51	620.80	410.60	3,888.06	3,809.56	78.50	49.530		
10,700.00	6,821.96	6,410.00	6,370.79	115.81	29.45	69.51	620.80	410.60	3,981.32	3,902.72	78.59	50.656		
10,800.00	6,820.54	6,410.00	6,370.79	118.54	29.45	69.51	620.80	410.60	4,074.89	3,996.21	78.69	51.787		
10,900.00	6,819.12	6,410.00	6,370.79	121.29	29.45	69.51	620.80	410.60	4,168.77	4,090.00	78.77	52.923		
11,000.00	6,817.69	6,410.00	6,370.79	124.03	29.45	69.51	620.80	410.60	4,262.92	4,184.07	78.85	54.062		
11,100.00	6,816.27	6,410.00	6,370.79	126.78	29.45	69.51	620.80	410.60	4,357.34	4,278.41	78.93	55.205		
11,200.00	6,814.84	6,410.00	6,370.79	129.54	29.45	69.51	620.80	410.60	4,451.99	4,372.99	79.00	56.352		
11,300.00	6,813.42	6,410.00	6,370.79	132.29	29.45	69.51	620.80	410.60	4,546.88	4,467.81	79.07	57.501		
11,400.00	6,811.99	6,410.00	6,370.79	135.05	29.45	69.51	620.80	410.60	4,641.98	4,562.84	79.14	58.654		
11,500.00	6,810.57	6,410.00	6,370.79	137.82	29.45	69.51	620.80	410.60	4,737.28	4,658.08	79.21	59.808		
11,534.42	6,810.08	6,410.00	6,370.79	138.77	29.45	69.51	620.80	410.60	4,770.13	4,690.90	79.23	60.206		
11,600.00	6,809.15	6,410.00	6,370.79	140.59	29.45	70.91	620.80	410.60	4,832.56	4,753.29	79.27	60.962		
11,645.35	6,808.50	6,410.00	6,370.79	141.85	29.45	71.78	620.80	410.60	4,875.53	4,796.23	79.30	61.481		
11,700.00	6,807.72	6,410.00	6,370.79	143.37	29.45	71.78	620.80	410.60	4,927.23	4,847.90	79.34	62.105		
11,800.00	6,806.30	6,410.00	6,370.79	146.16	29.45	71.78	620.80	410.60	5,022.00	4,942.60	79.40	63.247		
11,900.00	6,804.88	6,410.00	6,370.79	148.94	29.45	71.78	620.80	410.60	5,116.97	5,037.50	79.47	64.391		
12,000.00	6,803.45	6,410.00	6,370.79	151.74	29.45	71.78	620.80	410.60	5,212.13	5,132.60	79.53	65.538		
12,100.00	6,802.03	6,370.59	6,331.62	154.53	29.30	70.45	620.58	406.27	5,306.53	5,227.05	79.48	66.766		
12,200.00	6,800.61	6,368.99	6,330.03	157.32	29.29	70.40	620.57	406.13	5,401.96	5,322.42	79.53	67.920		
12,300.00	6,799.18	6,367.44	6,328.49	160.12	29.29	70.34	620.56	406.00	5,497.55	5,417.96	79.59	69.074		
12,400.00	6,797.76	6,365.95	6,326.99	162.92	29.28	70.29	620.55	405.87	5,593.29	5,513.64	79.64	70.230		
12,500.00	6,796.34	6,364.49	6,325.55	165.72	29.28	70.24	620.54	405.75	5,689.17	5,609.47	79.70	71.386		
12,600.00	6,794.92	6,363.08	6,324.14	168.53	29.27	70.20	620.53	405.63	5,785.19	5,705.44	79.75	72.544		
12,700.00	6,793.49	6,361.72	6,322.78	171.33	29.27	70.15	620.53	405.52	5,881.34	5,801.54	79.80	73.702		
12,800.00	6,792.07	6,360.39	6,321.46	174.14	29.26	70.11	620.52	405.42	5,977.61	5,897.77	79.85	74.861		
12,900.00	6,790.65	6,359.11	6,320.18	176.95	29.26	70.06	620.51	405.32	6,074.01	5,994.11	79.90	76.021		
13,000.00	6,789.22	6,357.86	6,318.93	179.76	29.25	70.02	620.50	405.22	6,170.51	6,090.56	79.95	77.180		
13,100.00	6,787.80	6,356.64	6,317.72	182.57	29.25	69.98	620.50	405.13	6,267.13	6,187.13	80.00	78.340		
13,200.00	6,786.38	6,355.46	6,316.54	185.38	29.24	69.94	620.49	405.04	6,363.84	6,283.80	80.05	79.500		
13,300.00	6,784.95	6,315.00	6,276.14	188.20	29.09	68.60	620.26	402.93	6,461.57	6,381.58	79.99	80.779		
13,400.00	6,783.53	6,315.00	6,276.14	191.01	29.09	68.60	620.26	402.93	6,558.43	6,478.39	80.04	81.936		
13,500.00	6,782.11	6,315.00	6,276.14	193.83	29.09	68.60	620.26	402.93	6,655.38	6,575.28	80.10	83.093		
13,600.00	6,780.68	6,315.00	6,276.14	196.65	29.09	68.60	620.26	402.93	6,752.42	6,672.27	80.15	84.249		
13,700.00	6,779.26	6,315.00	6,276.14	199.47	29.09	68.60	620.26	402.93	6,849.54	6,769.34	80.20	85.405		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
13,800.00	6,777.84	6,315.00	6,276.14	202.29	29.09	68.60	620.26	402.93	6,946.75	6,866.49	80.25	86.560	
13,900.00	6,776.42	6,315.00	6,276.14	205.11	29.09	68.60	620.26	402.93	7,044.03	6,963.73	80.31	87.715	
14,000.00	6,774.99	6,315.00	6,276.14	207.93	29.09	68.60	620.26	402.93	7,141.39	7,061.03	80.36	88.870	
14,100.00	6,773.57	6,315.00	6,276.14	210.76	29.09	68.60	620.26	402.93	7,238.82	7,158.41	80.41	90.024	
14,200.00	6,772.15	6,315.00	6,276.14	213.58	29.09	68.60	620.26	402.93	7,336.32	7,255.86	80.46	91.177	
14,300.00	6,770.72	6,315.00	6,276.14	216.40	29.09	68.60	620.26	402.93	7,433.89	7,353.37	80.51	92.329	
14,400.00	6,769.30	6,315.00	6,276.14	219.23	29.09	68.60	620.26	402.93	7,531.52	7,450.95	80.57	93.481	
14,500.00	6,767.88	6,315.00	6,276.14	222.06	29.09	68.60	620.26	402.93	7,629.21	7,548.59	80.62	94.631	
14,600.00	6,766.45	6,315.00	6,276.14	224.89	29.09	68.60	620.26	402.93	7,726.96	7,646.29	80.67	95.781	
14,700.00	6,765.03	6,315.00	6,276.14	227.71	29.09	68.60	620.26	402.93	7,824.77	7,744.04	80.73	96.929	
14,800.00	6,763.61	6,315.00	6,276.14	230.54	29.09	68.60	620.26	402.93	7,922.63	7,841.85	80.78	98.077	
14,900.00	6,762.19	6,315.00	6,276.14	233.37	29.09	68.60	620.26	402.93	8,020.55	7,939.71	80.83	99.223	
15,000.00	6,760.76	6,315.00	6,276.14	236.20	29.09	68.60	620.26	402.93	8,118.51	8,037.63	80.89	100.368	
15,100.00	6,759.34	6,315.00	6,276.14	239.03	29.09	68.60	620.26	402.93	8,216.53	8,135.59	80.94	101.511	
15,200.00	6,757.92	6,315.00	6,276.14	241.86	29.09	68.60	620.26	402.93	8,314.59	8,233.60	81.00	102.653	
15,300.00	6,756.49	6,315.00	6,276.14	244.70	29.09	68.60	620.26	402.93	8,412.70	8,331.65	81.05	103.794	
15,334.64	6,756.00	6,315.00	6,276.14	245.68	29.09	68.60	620.26	402.93	8,446.69	8,365.62	81.07	104.189	
15,335.52	6,755.99	6,315.00	6,276.14	245.70	29.09	68.60	620.26	402.93	8,447.56	8,366.49	81.07	104.199	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	88.98	9.12	513.88	514.01					
100.00	100.00	101.28	101.27	3.28	3.30	89.03	8.67	512.89	513.03	506.44	6.59	77.891		
200.00	200.00	206.02	205.98	3.34	3.38	89.16	7.50	510.71	510.93	504.20	6.72	75.993		
300.00	300.00	305.37	305.29	3.44	3.52	89.35	5.74	508.13	508.31	501.35	6.96	73.007		
400.00	399.98	397.92	397.78	3.60	3.68	-40.60	3.03	506.48	505.18	497.90	7.28	69.425		
500.00	499.84	492.24	492.02	3.79	3.89	-40.60	-0.69	506.23	500.91	493.24	7.67	65.274		
600.00	599.45	590.92	590.57	4.03	4.14	-40.74	-5.79	506.63	494.65	486.49	8.16	60.622		
700.00	698.70	705.59	704.91	4.30	4.48	-40.95	-14.29	505.71	484.58	475.81	8.77	55.232		
785.00	782.69	805.12	803.82	4.56	4.81	-41.13	-24.41	501.46	470.98	461.61	9.37	50.247		
800.00	797.47	822.52	821.06	4.60	4.87	-41.10	-26.59	500.39	468.13	458.65	9.49	49.355		
900.00	896.04	914.83	912.36	4.94	5.23	-40.79	-39.20	495.53	449.98	439.83	10.15	44.322		
1,000.00	994.61	1,014.09	1,010.20	5.30	5.64	-40.12	-55.10	490.39	431.98	421.07	10.90	39.615		
1,100.00	1,093.18	1,113.27	1,107.79	5.69	6.09	-39.25	-71.92	484.69	413.49	401.79	11.70	35.327		
1,200.00	1,191.75	1,205.52	1,198.49	6.08	6.52	-38.30	-88.06	480.21	395.98	383.47	12.51	31.644		
1,300.00	1,290.32	1,301.37	1,292.63	6.49	6.99	-37.10	-105.73	476.53	379.66	366.29	13.37	28.387		
1,400.00	1,388.89	1,393.46	1,383.07	6.91	7.46	-35.83	-122.88	474.05	364.67	350.43	14.25	25.598		
1,500.00	1,487.46	1,493.05	1,481.39	7.34	7.94	-34.82	-138.66	472.38	350.63	335.48	15.14	23.153		
1,600.00	1,586.03	1,596.35	1,583.73	7.77	8.44	-34.12	-152.48	469.94	335.72	319.67	16.05	20.920		
1,700.00	1,684.61	1,696.34	1,682.86	8.22	8.92	-33.46	-165.32	467.28	320.53	303.58	16.95	18.913		
1,800.00	1,783.18	1,801.62	1,786.94	8.66	9.44	-32.39	-180.04	461.67	302.86	284.99	17.87	16.944		
1,900.00	1,881.75	1,896.41	1,880.66	9.11	9.93	-31.27	-193.65	457.56	286.35	267.55	18.80	15.234		
2,000.00	1,980.32	1,998.37	1,981.18	9.57	10.46	-29.57	-209.58	451.53	268.67	248.93	19.75	13.606		
2,100.00	2,078.89	2,092.27	2,073.54	10.02	10.97	-27.48	-225.73	446.42	252.06	231.36	20.70	12.174		
2,200.00	2,177.46	2,188.12	2,167.95	10.49	11.49	-25.24	-241.87	442.71	237.25	215.59	21.67	10.950		
2,300.00	2,276.03	2,285.31	2,263.41	10.95	12.03	-22.32	-259.75	439.13	223.52	200.87	22.64	9.872		
2,400.00	2,374.60	2,381.01	2,356.88	11.41	12.59	-18.43	-279.90	435.50	211.34	187.73	23.61	8.951		
2,500.00	2,473.17	2,478.90	2,452.71	11.88	13.16	-14.39	-299.76	433.29	201.32	176.75	24.57	8.193		
2,600.00	2,571.74	2,582.92	2,554.33	12.35	13.77	-9.19	-321.57	429.02	191.25	165.72	25.52	7.493		
2,700.00	2,670.31	2,681.35	2,650.23	12.82	14.37	-3.06	-342.39	421.47	180.05	153.62	26.43	6.813		
2,800.00	2,768.88	2,780.94	2,747.16	13.29	14.98	3.96	-363.98	413.90	171.62	144.35	27.27	6.293		
2,900.00	2,867.45	2,879.89	2,844.02	13.76	15.57	10.92	-382.74	406.43	163.90	135.85	28.05	5.843		
3,000.00	2,966.02	2,978.15	2,940.63	14.24	16.13	17.52	-399.77	400.81	158.38	129.59	28.79	5.501		
3,100.00	3,064.59	3,077.67	3,038.71	14.71	16.68	24.05	-415.94	396.16	154.62	125.12	29.50	5.241		
3,200.00	3,163.16	3,178.91	3,138.88	15.19	17.21	30.11	-430.30	393.03	151.52	121.29	30.22	5.013		
3,300.00	3,261.73	3,277.12	3,236.20	15.66	17.72	36.04	-443.17	390.09	149.11	118.17	30.94	4.819		
3,331.27	3,292.55	3,307.05	3,265.80	15.81	17.88	38.07	-447.38	388.73	148.90	117.74	31.16	4.779 CC		
3,400.00	3,360.30	3,372.23	3,330.11	16.14	18.23	42.69	-457.36	385.36	149.96	118.32	31.64	4.740		
3,500.00	3,458.87	3,469.66	3,426.09	16.62	18.78	49.37	-473.44	380.40	154.57	122.17	32.41	4.770		
3,600.00	3,557.44	3,569.32	3,524.33	17.10	19.33	55.39	-489.69	376.37	160.93	127.66	33.27	4.838		
3,700.00	3,656.01	3,668.08	3,621.77	17.58	19.88	61.12	-505.10	371.71	168.38	134.20	34.17	4.927		
3,800.00	3,754.58	3,762.49	3,714.73	18.06	20.41	66.24	-520.69	366.54	178.46	143.41	35.05	5.091		
3,900.00	3,853.15	3,858.60	3,809.10	18.54	20.97	70.72	-538.11	361.28	191.43	155.43	36.00	5.317		
4,000.00	3,951.72	3,955.05	3,903.63	19.02	21.54	74.53	-556.53	355.98	206.35	169.37	36.98	5.579		
4,100.00	4,050.29	4,054.28	4,000.85	19.50	22.14	77.84	-575.68	350.77	222.13	184.08	38.04	5.839		
4,200.00	4,148.86	4,150.81	4,095.40	19.98	22.72	80.64	-594.43	345.58	238.71	199.65	39.05	6.112		
4,300.00	4,247.43	4,251.20	4,193.86	20.46	23.31	83.16	-613.41	340.60	255.12	214.96	40.15	6.354		
4,400.00	4,346.00	4,340.88	4,281.51	20.94	23.86	85.13	-631.59	335.32	273.56	232.55	41.01	6.670		
4,500.00	4,444.58	4,443.24	4,381.53	21.43	24.49	87.10	-652.46	329.21	292.50	250.33	42.17	6.936		
4,600.00	4,543.15	4,537.13	4,473.22	21.91	25.07	88.75	-671.69	323.03	312.16	269.03	43.13	7.237		
4,700.00	4,641.72	4,641.44	4,575.39	22.39	25.70	90.52	-691.60	316.37	330.86	286.54	44.32	7.465		
4,800.00	4,740.29	4,736.86	4,668.85	22.87	26.27	92.02	-709.72	309.80	350.10	304.78	45.32	7.725		
4,900.00	4,838.86	4,839.13	4,769.37	23.36	26.87	93.73	-727.07	302.50	368.29	321.83	46.46	7.927		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	4,937.43	4,933.67	4,862.01	23.84	27.43	94.89	-744.91	296.46	387.53	340.09	47.44	8.169		
5,100.00	5,036.00	5,037.82	4,964.18	24.32	28.05	95.98	-764.26	290.75	406.09	357.49	48.59	8.357		
5,200.00	5,134.57	5,138.09	5,062.72	24.81	28.64	96.93	-782.24	286.11	423.69	374.02	49.67	8.531		
5,300.00	5,233.14	5,236.40	5,159.33	25.29	29.21	97.77	-799.91	281.68	441.33	390.62	50.70	8.704		
5,400.00	5,331.71	5,334.24	5,255.47	25.78	29.79	98.53	-817.50	277.38	458.98	407.24	51.74	8.872		
5,500.00	5,430.28	5,440.41	5,359.76	26.26	30.41	99.19	-837.03	273.50	476.43	423.55	52.88	9.009		
5,600.00	5,528.85	5,555.35	5,473.10	26.75	31.04	99.86	-856.03	271.85	491.03	436.93	54.10	9.076		
5,700.00	5,627.42	5,664.13	5,581.04	27.23	31.59	100.87	-869.38	270.29	503.01	447.79	55.22	9.109		
5,800.00	5,725.99	5,777.17	5,693.66	27.72	32.10	102.26	-878.82	268.56	512.81	456.47	56.34	9.102		
5,900.00	5,824.56	5,885.55	5,801.92	28.20	32.54	103.94	-883.58	266.78	520.65	463.25	57.41	9.070		
6,000.00	5,923.13	5,988.36	5,904.69	28.69	32.92	105.77	-885.00	264.81	527.42	468.99	58.43	9.026		
6,100.00	6,021.70	6,085.49	6,001.79	29.17	33.26	107.60	-885.17	262.26	534.65	475.22	59.43	8.996		
6,200.00	6,120.27	6,186.58	6,102.85	29.66	33.61	109.43	-885.52	259.71	542.44	482.01	60.43	8.977		
6,238.51	6,158.23	6,227.11	6,143.37	29.84	33.75	110.18	-885.27	258.78	545.32	484.51	60.81	8.967		
6,250.00	6,169.57	6,239.72	6,155.97	29.90	33.79	106.02	-885.14	258.52	546.06	485.14	60.93	8.963		
6,300.00	6,219.12	6,297.08	6,213.33	30.13	33.98	77.96	-884.70	257.95	546.80	485.39	61.40	8.905		
6,350.00	6,268.78	6,351.34	6,267.58	30.33	34.15	40.68	-884.47	258.32	543.43	481.60	61.83	8.790		
6,400.00	6,318.25	6,401.37	6,317.61	30.52	34.30	16.00	-883.80	258.60	536.42	474.22	62.21	8.623		
6,450.00	6,367.22	6,455.49	6,371.72	30.69	34.46	3.15	-882.51	258.86	525.78	463.22	62.56	8.405		
6,500.00	6,415.39	6,511.85	6,428.04	30.86	34.63	-4.41	-880.98	259.98	510.99	448.13	62.86	8.129		
6,550.00	6,462.47	6,584.16	6,500.19	31.02	34.82	-9.89	-878.26	263.74	491.37	428.40	62.97	7.804		
6,600.00	6,508.16	6,646.32	6,561.95	31.18	34.99	-14.74	-875.04	269.95	466.39	403.43	62.96	7.408		
6,650.00	6,552.18	6,698.55	6,613.60	31.34	35.13	-19.87	-873.13	277.43	437.34	374.43	62.91	6.952		
6,700.00	6,594.26	6,780.13	6,692.92	31.51	35.34	-28.77	-872.15	296.13	403.63	342.07	61.56	6.557		
6,750.00	6,634.14	6,828.26	6,738.11	31.68	35.46	-39.46	-872.82	312.65	365.34	304.66	60.68	6.021		
6,800.00	6,671.58	6,857.84	6,765.30	31.86	35.54	-50.70	-873.80	324.25	325.74	265.37	60.38	5.395		
6,850.00	6,706.34	6,878.97	6,784.43	32.06	35.59	-61.99	-874.77	333.15	286.32	225.99	60.33	4.746		
6,900.00	6,738.21	6,893.02	6,797.02	32.27	35.63	-71.75	-875.54	339.35	248.73	188.13	60.61	4.104		
6,950.00	6,766.99	6,901.36	6,804.43	32.52	35.65	-78.99	-876.05	343.14	215.16	153.89	61.27	3.512		
7,000.00	6,792.51	6,905.05	6,807.71	32.80	35.66	-83.42	-876.27	344.83	188.59	126.27	62.32	3.026		
7,050.00	6,814.61	6,904.29	6,807.03	33.12	35.66	-84.96	-876.23	344.48	172.75	109.16	63.59	2.717		
7,081.96	6,826.88	6,901.69	6,804.73	33.35	35.65	-84.51	-876.07	343.29	169.77	105.49	64.27	2.641 ES, SF		
7,100.00	6,833.15	6,899.54	6,802.82	33.48	35.64	-83.77	-875.94	342.31	170.71	106.18	64.53	2.646		
7,150.00	6,848.02	6,892.43	6,796.49	33.89	35.63	-80.46	-875.51	339.09	182.69	117.90	64.79	2.820		
7,200.00	6,859.13	6,882.98	6,788.04	34.35	35.60	-75.17	-874.98	334.90	205.85	141.22	64.63	3.185		
7,250.00	6,866.40	6,871.49	6,777.69	34.86	35.57	-68.32	-874.40	329.94	236.43	172.02	64.41	3.671		
7,300.00	6,869.79	6,858.27	6,765.69	35.40	35.54	-60.56	-873.81	324.42	271.40	207.10	64.30	4.221		
7,327.68	6,870.00	6,850.29	6,758.41	35.71	35.52	-56.14	-873.50	321.19	291.87	227.56	64.31	4.539		
7,400.00	6,868.97	6,830.10	6,739.81	36.61	35.47	-51.68	-872.86	313.34	348.48	284.06	64.42	5.409		
7,500.00	6,867.54	6,803.00	6,714.55	38.01	35.40	-46.39	-872.33	303.55	432.52	367.97	64.55	6.701		
7,600.00	6,866.12	6,803.00	6,714.55	39.58	35.40	-46.39	-872.33	303.55	521.18	455.75	65.43	7.966		
7,700.00	6,864.69	6,772.23	6,685.37	41.29	35.32	-41.28	-872.13	293.79	611.64	546.38	65.26	9.372		
7,800.00	6,863.27	6,759.45	6,673.10	43.12	35.29	-39.42	-872.15	290.24	704.44	638.94	65.50	10.755		
7,900.00	6,861.85	6,748.50	6,662.51	45.06	35.26	-37.92	-872.22	287.43	798.56	732.88	65.68	12.157		
8,000.00	6,860.42	6,739.01	6,653.29	47.10	35.23	-36.71	-872.32	285.19	893.66	827.82	65.84	13.573		
8,100.00	6,859.00	6,708.00	6,622.92	49.21	35.15	-33.19	-872.88	279.01	990.28	924.57	65.70	15.072		
8,200.00	6,857.57	6,708.00	6,622.92	51.40	35.15	-33.19	-872.88	279.01	1,086.29	1,020.37	65.92	16.478		
8,300.00	6,856.15	6,708.00	6,622.92	53.65	35.15	-33.19	-872.88	279.01	1,182.97	1,116.88	66.09	17.900		
8,400.00	6,854.72	6,708.00	6,622.92	55.96	35.15	-33.19	-872.88	279.01	1,280.15	1,213.93	66.22	19.333		
8,500.00	6,853.30	6,708.00	6,622.92	58.31	35.15	-33.19	-872.88	279.01	1,377.74	1,311.42	66.32	20.775		
8,600.00	6,851.88	6,708.00	6,622.92	60.70	35.15	-33.19	-872.88	279.01	1,475.65	1,409.25	66.40	22.224		
8,700.00	6,850.45	6,708.00	6,622.92	63.14	35.15	-33.19	-872.88	279.01	1,573.83	1,507.36	66.47	23.678		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,849.03	6,680.78	6,596.06	65.60	35.08	-30.60	-873.67	274.65	1,671.70	1,605.29	66.41	25.172		
8,900.00	6,847.60	6,673.90	6,589.26	68.10	35.06	-30.01	-873.91	273.64	1,770.00	1,703.55	66.45	26.637		
9,000.00	6,846.18	6,667.44	6,582.87	70.62	35.05	-29.48	-874.15	272.73	1,868.42	1,801.94	66.48	28.103		
9,100.00	6,844.75	6,661.36	6,576.85	73.17	35.03	-29.00	-874.39	271.89	1,966.96	1,900.44	66.52	29.570		
9,200.00	6,843.33	6,655.63	6,571.17	75.73	35.02	-28.56	-874.63	271.13	2,065.59	1,999.03	66.55	31.036		
9,300.00	6,841.91	6,650.22	6,565.81	78.32	35.00	-28.16	-874.86	270.44	2,164.31	2,097.72	66.59	32.503		
9,400.00	6,840.48	6,645.10	6,560.74	80.92	34.99	-27.80	-875.09	269.80	2,263.10	2,196.48	66.62	33.969		
9,500.00	6,839.06	6,613.00	6,528.88	83.54	34.90	-25.73	-876.74	266.27	2,362.42	2,295.83	66.59	35.477		
9,600.00	6,837.63	6,613.00	6,528.88	86.18	34.90	-25.73	-876.74	266.27	2,461.21	2,394.57	66.64	36.933		
9,700.00	6,836.21	6,613.00	6,528.88	88.82	34.90	-25.73	-876.74	266.27	2,560.10	2,493.41	66.69	38.390		
9,800.00	6,834.78	6,613.00	6,528.88	91.48	34.90	-25.73	-876.74	266.27	2,659.07	2,592.34	66.73	39.847		
9,900.00	6,833.36	6,613.00	6,528.88	94.15	34.90	-25.73	-876.74	266.27	2,758.12	2,691.34	66.78	41.304		
10,000.00	6,831.94	6,613.00	6,528.88	96.83	34.90	-25.73	-876.74	266.27	2,857.23	2,790.41	66.82	42.761		
10,100.00	6,830.51	6,613.00	6,528.88	99.52	34.90	-25.73	-876.74	266.27	2,956.40	2,889.54	66.86	44.217		
10,200.00	6,829.09	6,613.00	6,528.88	102.22	34.90	-25.73	-876.74	266.27	3,055.62	2,988.72	66.90	45.673		
10,300.00	6,827.66	6,613.00	6,528.88	104.92	34.90	-25.73	-876.74	266.27	3,154.90	3,087.95	66.94	47.128		
10,400.00	6,826.24	6,613.00	6,528.88	107.63	34.90	-25.73	-876.74	266.27	3,254.22	3,187.23	66.98	48.581		
10,500.00	6,824.81	6,613.00	6,528.88	110.35	34.90	-25.73	-876.74	266.27	3,353.57	3,286.55	67.03	50.034		
10,600.00	6,823.39	6,613.00	6,528.88	113.08	34.90	-25.73	-876.74	266.27	3,452.97	3,385.90	67.07	51.485		
10,700.00	6,821.96	6,613.00	6,528.88	115.81	34.90	-25.73	-876.74	266.27	3,552.40	3,485.29	67.11	52.935		
10,800.00	6,820.54	6,613.00	6,528.88	118.54	34.90	-25.73	-876.74	266.27	3,651.86	3,584.71	67.15	54.383		
10,900.00	6,819.12	6,613.00	6,528.88	121.29	34.90	-25.73	-876.74	266.27	3,751.35	3,684.16	67.19	55.830		
11,000.00	6,817.69	6,613.00	6,528.88	124.03	34.90	-25.73	-876.74	266.27	3,850.87	3,783.63	67.24	57.274		
11,100.00	6,816.27	6,613.00	6,528.88	126.78	34.90	-25.73	-876.74	266.27	3,950.41	3,883.13	67.28	58.717		
11,200.00	6,814.84	6,613.00	6,528.88	129.54	34.90	-25.73	-876.74	266.27	4,049.97	3,982.65	67.32	60.157		
11,300.00	6,813.42	6,613.00	6,528.88	132.29	34.90	-25.73	-876.74	266.27	4,149.55	4,082.19	67.37	61.596		
11,400.00	6,811.99	6,578.45	6,494.50	135.05	34.81	-23.84	-878.53	263.31	4,248.60	4,181.21	67.39	63.049		
11,500.00	6,810.57	6,576.27	6,492.33	137.82	34.80	-23.73	-878.63	263.15	4,348.15	4,280.72	67.43	64.483		
11,534.42	6,810.08	6,575.53	6,491.60	138.77	34.80	-23.69	-878.67	263.10	4,382.42	4,314.97	67.45	64.976		
11,600.00	6,809.15	6,574.17	6,490.24	140.59	34.80	-9.57	-878.73	263.00	4,447.74	4,380.26	67.48	65.914		
11,645.35	6,808.50	6,573.25	6,489.33	141.85	34.79	1.12	-878.77	262.94	4,492.93	4,425.43	67.50	66.562		
11,700.00	6,807.72	6,572.17	6,488.25	143.37	34.79	1.10	-878.82	262.86	4,547.39	4,479.86	67.53	67.341		
11,800.00	6,806.30	6,570.24	6,486.33	146.16	34.79	1.09	-878.91	262.73	4,647.05	4,579.47	67.58	68.766		
11,900.00	6,804.88	6,568.38	6,484.47	148.94	34.78	1.07	-878.99	262.60	4,746.72	4,679.09	67.63	70.188		
12,000.00	6,803.45	6,566.57	6,482.67	151.74	34.78	1.05	-879.07	262.49	4,846.40	4,778.72	67.68	71.607		
12,100.00	6,802.03	6,564.82	6,480.92	154.53	34.77	1.03	-879.14	262.37	4,946.10	4,878.36	67.73	73.023		
12,200.00	6,800.61	6,563.13	6,479.23	157.32	34.77	1.02	-879.21	262.27	5,045.80	4,978.01	67.79	74.437		
12,300.00	6,799.18	6,561.48	6,477.59	160.12	34.76	1.01	-879.28	262.16	5,145.51	5,077.67	67.84	75.847		
12,400.00	6,797.76	6,559.89	6,476.00	162.92	34.76	0.99	-879.35	262.07	5,245.23	5,177.33	67.90	77.255		
12,500.00	6,796.34	6,558.34	6,474.45	165.72	34.75	0.98	-879.41	261.97	5,344.96	5,277.01	67.95	78.659		
12,600.00	6,794.92	6,556.83	6,472.95	168.53	34.75	0.97	-879.47	261.89	5,444.69	5,376.69	68.01	80.060		
12,700.00	6,793.49	6,555.37	6,471.50	171.33	34.75	0.95	-879.53	261.80	5,544.44	5,476.37	68.06	81.458		
12,800.00	6,792.07	6,518.00	6,434.18	174.14	34.64	0.70	-880.81	260.16	5,644.76	5,576.66	68.10	82.886		
12,900.00	6,790.65	6,518.00	6,434.18	176.95	34.64	0.70	-880.81	260.16	5,744.47	5,676.31	68.16	84.276		
13,000.00	6,789.22	6,518.00	6,434.18	179.76	34.64	0.70	-880.81	260.16	5,844.20	5,775.97	68.22	85.662		
13,100.00	6,787.80	6,518.00	6,434.18	182.57	34.64	0.70	-880.81	260.16	5,943.93	5,875.64	68.29	87.046		
13,200.00	6,786.38	6,518.00	6,434.18	185.38	34.64	0.70	-880.81	260.16	6,043.67	5,975.32	68.35	88.426		
13,300.00	6,784.95	6,518.00	6,434.18	188.20	34.64	0.70	-880.81	260.16	6,143.42	6,075.01	68.41	89.803		
13,400.00	6,783.53	6,518.00	6,434.18	191.01	34.64	0.70	-880.81	260.16	6,243.18	6,174.70	68.47	91.176		
13,500.00	6,782.11	6,518.00	6,434.18	193.83	34.64	0.70	-880.81	260.16	6,342.94	6,274.40	68.54	92.546		
13,600.00	6,780.68	6,518.00	6,434.18	196.65	34.64	0.70	-880.81	260.16	6,442.71	6,374.11	68.60	93.913		
13,700.00	6,779.26	6,518.00	6,434.18	199.47	34.64	0.70	-880.81	260.16	6,542.49	6,473.82	68.67	95.276		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	
13,800.00	6,777.84	6,518.00	6,434.18	202.29	34.64	0.70	-880.81	260.16	6,642.28	6,573.54	68.74	96.635	
13,900.00	6,776.42	6,518.00	6,434.18	205.11	34.64	0.70	-880.81	260.16	6,742.07	6,673.27	68.80	97.991	
14,000.00	6,774.99	6,518.00	6,434.18	207.93	34.64	0.70	-880.81	260.16	6,841.87	6,773.00	68.87	99.343	
14,100.00	6,773.57	6,518.00	6,434.18	210.76	34.64	0.70	-880.81	260.16	6,941.67	6,872.73	68.94	100.692	
14,200.00	6,772.15	6,518.00	6,434.18	213.58	34.64	0.70	-880.81	260.16	7,041.48	6,972.47	69.01	102.036	
14,300.00	6,770.72	6,518.00	6,434.18	216.40	34.64	0.70	-880.81	260.16	7,141.30	7,072.22	69.08	103.377	
14,400.00	6,769.30	6,518.00	6,434.18	219.23	34.64	0.70	-880.81	260.16	7,241.12	7,171.97	69.15	104.714	
14,500.00	6,767.88	6,518.00	6,434.18	222.06	34.64	0.70	-880.81	260.16	7,340.94	7,271.72	69.22	106.048	
14,600.00	6,766.45	6,518.00	6,434.18	224.89	34.64	0.70	-880.81	260.16	7,440.77	7,371.48	69.30	107.377	
14,700.00	6,765.03	6,518.00	6,434.18	227.71	34.64	0.70	-880.81	260.16	7,540.61	7,471.24	69.37	108.703	
14,800.00	6,763.61	6,518.00	6,434.18	230.54	34.64	0.70	-880.81	260.16	7,640.45	7,571.00	69.44	110.024	
14,900.00	6,762.19	6,518.00	6,434.18	233.37	34.64	0.70	-880.81	260.16	7,740.29	7,670.77	69.52	111.342	
15,000.00	6,760.76	6,518.00	6,434.18	236.20	34.64	0.70	-880.81	260.16	7,840.14	7,770.54	69.59	112.656	
15,100.00	6,759.34	6,518.00	6,434.18	239.03	34.64	0.70	-880.81	260.16	7,939.99	7,870.32	69.67	113.965	
15,200.00	6,757.92	6,518.00	6,434.18	241.86	34.64	0.70	-880.81	260.16	8,039.84	7,970.09	69.75	115.271	
15,300.00	6,756.49	6,518.00	6,434.18	244.70	34.64	0.70	-880.81	260.16	8,139.70	8,069.87	69.83	116.572	
15,334.64	6,756.00	6,518.00	6,434.18	245.68	34.64	0.70	-880.81	260.16	8,174.29	8,104.44	69.85	117.022	
15,335.52	6,755.99	6,518.00	6,434.18	245.70	34.64	0.70	-880.81	260.16	8,175.17	8,105.32	69.85	117.034	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	519.72	524.31					
100.00	100.00	97.40	97.39	3.28	3.30	82.46	68.69	518.99	523.53	516.95	6.58	79.529		
200.00	200.00	197.30	197.29	3.34	3.37	82.50	68.24	518.27	522.76	516.05	6.71	77.925		
300.00	300.00	300.36	300.35	3.44	3.50	82.50	68.07	517.20	521.71	514.76	6.95	75.076		
400.00	399.98	405.35	405.32	3.60	3.69	-47.82	68.05	515.21	518.66	511.37	7.29	71.141		
500.00	499.84	501.47	501.41	3.79	3.90	-48.37	68.25	513.13	513.04	505.35	7.69	66.696		
600.00	599.45	596.38	596.31	4.03	4.14	-49.16	67.91	512.01	506.07	497.91	8.16	61.984		
700.00	698.70	697.36	697.29	4.30	4.42	-50.25	66.70	511.31	497.28	488.56	8.72	57.041		
785.00	782.69	786.83	786.72	4.56	4.70	-51.44	64.66	510.16	487.53	478.29	9.25	52.719		
800.00	797.47	802.59	802.48	4.60	4.75	-51.64	64.23	509.86	485.59	476.24	9.35	51.954		
900.00	896.04	892.72	892.59	4.94	5.04	-52.91	62.50	508.85	473.68	463.72	9.97	47.531		
1,000.00	994.61	985.68	985.54	5.30	5.34	-54.37	61.72	508.89	463.45	452.82	10.63	43.614		
1,100.00	1,093.18	1,080.77	1,080.62	5.69	5.65	-55.98	61.61	509.74	454.57	443.26	11.32	40.173		
1,200.00	1,191.75	1,176.88	1,176.73	6.08	5.98	-57.66	61.66	511.24	446.78	434.75	12.03	37.126		
1,300.00	1,290.32	1,276.61	1,276.44	6.49	6.33	-59.49	61.97	512.90	439.60	426.81	12.79	34.370		
1,400.00	1,388.89	1,376.62	1,376.43	6.91	6.68	-61.48	62.91	514.07	432.64	419.07	13.57	31.889		
1,500.00	1,487.46	1,476.53	1,476.33	7.34	7.05	-63.61	64.23	514.73	425.90	411.54	14.36	29.654		
1,600.00	1,586.03	1,575.03	1,574.82	7.77	7.42	-65.84	65.92	515.02	419.60	404.43	15.17	27.660		
1,700.00	1,684.61	1,673.97	1,673.74	8.22	7.80	-68.16	67.71	515.19	413.92	397.92	15.99	25.882		
1,800.00	1,783.18	1,773.61	1,773.36	8.66	8.19	-70.59	69.61	515.06	408.72	391.90	16.83	24.286		
1,900.00	1,881.75	1,870.93	1,870.67	9.11	8.57	-73.02	71.47	514.91	404.27	386.60	17.67	22.881		
2,000.00	1,980.32	1,969.72	1,969.44	9.57	8.96	-75.58	73.66	514.61	400.65	382.13	18.52	21.633		
2,100.00	2,078.89	2,069.88	2,069.41	10.02	9.37	-78.75	78.78	511.89	397.77	378.39	19.39	20.518		
2,200.00	2,177.46	2,180.45	2,179.43	10.49	9.82	-82.95	86.53	504.22	394.33	374.04	20.29	19.430		
2,300.00	2,276.03	2,286.49	2,284.76	10.95	10.26	-87.22	92.05	493.29	389.08	367.89	21.19	18.361		
2,400.00	2,374.60	2,381.12	2,378.85	11.41	10.67	-90.97	95.85	483.89	385.19	363.13	22.06	17.459		
2,500.00	2,473.17	2,474.85	2,472.14	11.88	11.07	-94.60	99.56	475.68	383.79	360.86	22.93	16.739		
2,509.05	2,482.09	2,483.38	2,480.64	11.92	11.10	-94.92	99.90	474.98	383.78	360.77	23.01	16.682 CC, ES		
2,600.00	2,571.74	2,570.98	2,567.90	12.35	11.48	-98.22	103.36	468.15	384.61	360.81	23.80	16.162		
2,700.00	2,670.31	2,669.30	2,665.81	12.82	11.91	-101.94	107.20	460.07	386.87	362.20	24.67	15.681		
2,800.00	2,768.88	2,764.11	2,760.20	13.29	12.32	-105.51	110.80	451.98	390.58	365.05	25.53	15.300		
2,900.00	2,867.45	2,859.03	2,854.49	13.76	12.75	-109.28	116.03	442.37	396.93	370.55	26.38	15.048		
3,000.00	2,966.02	2,951.76	2,946.63	14.24	13.16	-112.83	120.94	433.11	404.97	377.77	27.20	14.887		
3,100.00	3,064.59	3,044.21	3,038.45	14.71	13.58	-116.19	127.32	424.50	416.33	388.32	28.01	14.861		
3,200.00	3,163.16	3,144.45	3,138.11	15.19	14.03	-119.56	133.54	415.71	428.69	399.80	28.89	14.840		
3,300.00	3,261.73	3,238.44	3,231.61	15.66	14.46	-122.50	138.90	407.68	441.94	412.24	29.70	14.879		
3,400.00	3,360.30	3,331.43	3,324.12	16.14	14.88	-125.13	145.19	400.77	457.46	426.96	30.50	14.999		
3,500.00	3,458.87	3,429.24	3,421.48	16.62	15.33	-127.65	151.79	394.08	473.97	442.63	31.34	15.122		
3,600.00	3,557.44	3,527.57	3,519.39	17.10	15.77	-129.99	158.09	387.58	491.00	458.81	32.19	15.252		
3,700.00	3,656.01	3,624.93	3,616.38	17.58	16.21	-132.11	164.04	381.46	508.47	475.44	33.03	15.393		
3,800.00	3,754.58	3,727.99	3,719.05	18.06	16.68	-134.20	170.29	375.10	526.57	492.63	33.93	15.519		
3,900.00	3,853.15	3,842.12	3,833.00	18.54	17.18	-136.26	172.73	369.35	541.07	506.15	34.92	15.494		
4,000.00	3,951.72	3,937.92	3,928.66	19.02	17.60	-137.91	174.65	364.41	556.15	520.40	35.75	15.556		
4,100.00	4,050.29	4,041.70	4,032.35	19.50	18.05	-139.38	176.79	361.23	571.40	534.76	36.64	15.594		
4,200.00	4,148.86	4,161.45	4,152.09	19.98	18.53	-140.62	176.66	361.90	584.12	546.51	37.62	15.529		
4,300.00	4,247.43	4,259.31	4,249.94	20.46	18.92	-141.61	175.20	362.35	595.76	557.32	38.44	15.499		
4,400.00	4,346.00	4,358.77	4,349.38	20.94	19.31	-142.61	173.29	362.61	607.20	567.93	39.27	15.460		
4,500.00	4,444.58	4,448.84	4,439.43	21.43	19.67	-143.33	172.89	364.34	619.84	579.78	40.06	15.474		
4,600.00	4,543.15	4,543.34	4,533.91	21.91	20.05	-143.99	173.36	366.52	633.41	592.54	40.87	15.499		
4,700.00	4,641.72	4,633.44	4,623.98	22.39	20.42	-144.63	174.75	368.01	648.23	606.58	41.65	15.565		
4,800.00	4,740.29	4,728.52	4,719.03	22.87	20.81	-145.30	176.93	369.06	663.99	621.52	42.47	15.635		
4,900.00	4,838.86	4,826.32	4,816.79	23.36	21.22	-145.99	179.47	369.78	680.25	636.93	43.32	15.705		

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 34N-6A-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 34N-6A-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	4,937.43	4,934.56	4,925.01	23.84	21.68	-146.74	181.42	370.42	695.89	651.64	44.25	15.727		
5,100.00	5,036.00	5,037.71	5,028.15	24.32	22.11	-147.58	181.31	369.64	710.22	665.08	45.14	15.735		
5,200.00	5,134.57	5,131.10	5,121.54	24.81	22.50	-148.37	181.33	368.11	725.08	679.13	45.95	15.778		
5,300.00	5,233.14	5,226.90	5,217.32	25.29	22.91	-149.15	181.77	366.33	740.58	693.78	46.79	15.827		
5,400.00	5,331.71	5,322.87	5,313.26	25.78	23.33	-149.92	182.39	364.31	756.47	708.83	47.63	15.881		
5,500.00	5,430.28	5,432.39	5,422.76	26.26	23.79	-150.74	183.13	362.29	772.48	723.90	48.58	15.900		
5,600.00	5,528.85	5,537.56	5,527.91	26.75	24.23	-151.48	181.78	361.23	786.44	736.95	49.48	15.893		
5,700.00	5,627.42	5,630.65	5,621.00	27.23	24.62	-152.09	181.04	360.47	800.90	750.60	50.30	15.922		
5,800.00	5,725.99	5,721.93	5,712.27	27.72	25.01	-152.66	181.02	359.60	816.22	765.11	51.11	15.971		
5,900.00	5,824.56	5,827.21	5,817.54	28.20	25.45	-153.28	181.49	358.68	832.05	780.03	52.02	15.995		
6,000.00	5,923.13	5,922.46	5,912.80	28.69	25.84	-153.74	181.60	359.16	847.08	794.23	52.85	16.028		
6,100.00	6,021.70	6,011.69	6,002.02	29.17	26.22	-154.15	182.62	359.37	863.19	809.56	53.63	16.094		
6,200.00	6,120.27	6,119.08	6,109.39	29.66	26.67	-154.63	184.14	359.36	879.74	825.17	54.57	16.122		
6,238.51	6,158.23	6,157.23	6,147.55	29.84	26.83	-154.79	184.34	359.55	885.72	830.82	54.90	16.133		
6,250.00	6,169.57	6,166.92	6,157.23	29.90	26.87	-159.39	184.41	359.58	887.49	832.51	54.99	16.140		
6,300.00	6,219.12	6,209.17	6,199.48	30.13	27.05	171.03	184.88	359.60	894.54	839.18	55.35	16.160		
6,350.00	6,268.78	6,273.23	6,263.53	30.33	27.32	133.17	185.96	360.14	900.20	844.32	55.89	16.107		
6,400.00	6,318.25	6,441.24	6,428.47	30.52	27.96	111.31	186.84	388.22	900.89	844.17	56.72	15.882		
6,450.00	6,367.22	6,494.15	6,478.51	30.69	28.15	100.57	186.63	405.38	896.82	839.68	57.14	15.695		
6,500.00	6,415.39	6,542.85	6,524.03	30.86	28.32	95.77	186.58	422.66	891.87	834.31	57.56	15.494		
6,550.00	6,462.47	6,584.52	6,562.04	31.02	28.47	93.77	187.12	439.70	886.62	828.63	57.99	15.288		
6,600.00	6,508.16	6,627.97	6,600.57	31.18	28.64	93.54	188.23	459.75	881.73	823.29	58.44	15.087		
6,650.00	6,552.18	6,711.89	6,673.35	31.34	28.97	96.60	187.64	501.50	876.67	817.74	58.94	14.874		
6,700.00	6,594.26	6,746.04	6,702.04	31.51	29.13	97.54	186.42	519.97	872.34	812.88	59.46	14.671		
6,750.00	6,634.14	6,769.06	6,720.79	31.68	29.24	98.07	185.50	533.29	869.97	810.00	59.97	14.507		
6,774.05	6,652.47	6,776.69	6,726.90	31.77	29.27	98.14	185.19	537.86	869.67	809.47	60.20	14.446		
6,800.00	6,671.58	6,782.86	6,731.80	31.86	29.30	98.08	184.92	541.60	870.02	809.59	60.43	14.397		
6,850.00	6,706.34	6,789.74	6,737.22	32.06	29.33	97.59	184.62	545.84	872.76	811.92	60.83	14.347 SF		
6,900.00	6,738.21	6,791.35	6,738.47	32.27	29.34	96.65	184.55	546.83	878.23	817.06	61.16	14.358		
6,950.00	6,766.99	6,788.89	6,736.54	32.52	29.33	95.31	184.66	545.31	886.38	824.94	61.43	14.429		
7,000.00	6,792.51	6,783.23	6,732.09	32.80	29.30	93.60	184.91	541.83	897.05	835.41	61.65	14.552		
7,050.00	6,814.61	6,775.04	6,725.59	33.12	29.26	91.59	185.25	536.86	910.05	848.22	61.82	14.720		
7,100.00	6,833.15	6,764.81	6,717.37	33.48	29.22	89.31	185.68	530.78	925.09	863.11	61.98	14.925		
7,150.00	6,848.02	6,752.91	6,707.69	33.89	29.16	86.82	186.15	523.88	941.90	879.76	62.13	15.160		
7,200.00	6,859.13	6,739.65	6,696.75	34.35	29.10	84.18	186.66	516.40	960.17	897.88	62.29	15.414		
7,250.00	6,866.40	6,725.24	6,684.69	34.86	29.03	81.44	187.18	508.54	979.61	917.15	62.46	15.683		
7,300.00	6,869.79	6,711.28	6,672.83	35.40	28.97	78.72	187.66	501.18	999.93	937.25	62.68	15.954		
7,327.68	6,870.00	6,688.28	6,653.06	35.71	28.87	76.45	188.28	489.45	1,011.37	948.79	62.58	16.162		
7,400.00	6,868.97	6,629.85	6,602.23	36.61	28.64	73.46	188.27	460.66	1,042.22	979.90	62.32	16.725		
7,500.00	6,867.54	6,614.00	6,588.29	38.01	28.58	72.65	187.86	453.10	1,089.40	1,026.35	63.05	17.278		
7,600.00	6,866.12	6,576.06	6,554.41	39.58	28.44	70.70	186.96	436.06	1,141.88	1,078.50	63.38	18.017		
7,700.00	6,864.69	6,558.00	6,537.97	41.29	28.38	69.77	186.70	428.59	1,200.00	1,136.02	63.98	18.756		
7,800.00	6,863.27	6,519.00	6,501.84	43.12	28.24	67.79	186.55	413.93	1,263.33	1,199.13	64.20	19.679		
7,900.00	6,861.85	6,519.00	6,501.84	45.06	28.24	67.79	186.55	413.93	1,329.78	1,264.84	64.94	20.478		
8,000.00	6,860.42	6,519.00	6,501.84	47.10	28.24	67.79	186.55	413.93	1,400.23	1,334.66	65.57	21.354		
8,100.00	6,859.00	6,487.81	6,472.53	49.21	28.13	66.22	186.66	403.25	1,473.56	1,407.81	65.75	22.411		
8,200.00	6,857.57	6,467.07	6,452.95	51.40	28.06	65.19	186.74	396.42	1,549.44	1,483.42	66.02	23.469		
8,300.00	6,856.15	6,447.53	6,434.43	53.65	27.99	64.23	186.82	390.18	1,627.51	1,561.25	66.26	24.562		
8,400.00	6,854.72	6,424.00	6,412.05	55.96	27.90	63.10	186.92	382.93	1,707.52	1,641.09	66.43	25.705		
8,500.00	6,853.30	6,424.00	6,412.05	58.31	27.90	63.10	186.92	382.93	1,789.27	1,722.48	66.79	26.790		
8,600.00	6,851.88	6,424.00	6,412.05	60.70	27.90	63.10	186.92	382.93	1,872.80	1,805.70	67.10	27.911		
8,700.00	6,850.45	6,424.00	6,412.05	63.14	27.90	63.10	186.92	382.93	1,957.86	1,890.50	67.36	29.064		

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 34N-6A-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 34N-6A-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	6,849.03	6,424.00	6,412.05	65.60	27.90	63.10	186.92	382.93	2,044.29	1,976.69	67.59	30.243		
8,900.00	6,847.60	6,424.00	6,412.05	68.10	27.90	63.10	186.92	382.93	2,131.90	2,064.10	67.79	31.447		
9,000.00	6,846.18	6,424.00	6,412.05	70.62	27.90	63.10	186.92	382.93	2,220.55	2,152.58	67.97	32.671		
9,100.00	6,844.75	6,385.35	6,374.76	73.17	27.76	61.26	186.99	372.83	2,308.36	2,240.47	67.89	34.003		
9,200.00	6,843.33	6,381.25	6,370.76	75.73	27.74	61.06	186.98	371.95	2,398.37	2,330.36	68.01	35.264		
9,300.00	6,841.91	6,377.45	6,367.04	78.32	27.73	60.88	186.97	371.16	2,489.11	2,420.98	68.12	36.538		
9,400.00	6,840.48	6,373.92	6,363.57	80.92	27.72	60.71	186.96	370.46	2,580.50	2,512.27	68.22	37.824		
9,500.00	6,839.06	6,370.62	6,360.34	83.54	27.70	60.56	186.95	369.83	2,672.48	2,604.16	68.32	39.119		
9,600.00	6,837.63	6,329.00	6,319.16	86.18	27.55	58.60	186.66	363.89	2,766.75	2,698.57	68.18	40.578		
9,700.00	6,836.21	6,329.00	6,319.16	88.82	27.55	58.60	186.66	363.89	2,859.50	2,791.21	68.29	41.875		
9,800.00	6,834.78	6,329.00	6,319.16	91.48	27.55	58.60	186.66	363.89	2,952.71	2,884.34	68.38	43.182		
9,900.00	6,833.36	6,329.00	6,319.16	94.15	27.55	58.60	186.66	363.89	3,046.36	2,977.90	68.46	44.497		
10,000.00	6,831.94	6,329.00	6,319.16	96.83	27.55	58.60	186.66	363.89	3,140.40	3,071.86	68.54	45.818		
10,100.00	6,830.51	6,329.00	6,319.16	99.52	27.55	58.60	186.66	363.89	3,234.80	3,166.19	68.61	47.146		
10,200.00	6,829.09	6,329.00	6,319.16	102.22	27.55	58.60	186.66	363.89	3,329.52	3,260.84	68.68	48.479		
10,300.00	6,827.66	6,329.00	6,319.16	104.92	27.55	58.60	186.66	363.89	3,424.55	3,355.80	68.74	49.817		
10,400.00	6,826.24	6,329.00	6,319.16	107.63	27.55	58.60	186.66	363.89	3,519.85	3,451.04	68.80	51.159		
10,500.00	6,824.81	6,329.00	6,319.16	110.35	27.55	58.60	186.66	363.89	3,615.40	3,546.54	68.86	52.505		
10,600.00	6,823.39	6,329.00	6,319.16	113.08	27.55	58.60	186.66	363.89	3,711.19	3,642.28	68.91	53.854		
10,700.00	6,821.96	6,329.00	6,319.16	115.81	27.55	58.60	186.66	363.89	3,807.19	3,738.23	68.96	55.207		
10,800.00	6,820.54	6,329.00	6,319.16	118.54	27.55	58.60	186.66	363.89	3,903.40	3,834.39	69.01	56.561		
10,900.00	6,819.12	6,329.00	6,319.16	121.29	27.55	58.60	186.66	363.89	3,999.79	3,930.73	69.06	57.918		
11,000.00	6,817.69	6,329.00	6,319.16	124.03	27.55	58.60	186.66	363.89	4,096.35	4,027.25	69.11	59.277		
11,100.00	6,816.27	6,329.00	6,319.16	126.78	27.55	58.60	186.66	363.89	4,193.08	4,123.93	69.15	60.637		
11,200.00	6,814.84	6,329.00	6,319.16	129.54	27.55	58.60	186.66	363.89	4,289.95	4,220.76	69.20	61.998		
11,300.00	6,813.42	6,329.00	6,319.16	132.29	27.55	58.60	186.66	363.89	4,386.97	4,317.73	69.24	63.360		
11,400.00	6,811.99	6,329.00	6,319.16	135.05	27.55	58.60	186.66	363.89	4,484.12	4,414.84	69.28	64.723		
11,500.00	6,810.57	6,329.00	6,319.16	137.82	27.55	58.60	186.66	363.89	4,581.39	4,512.06	69.32	66.086		
11,534.42	6,810.08	6,329.00	6,319.16	138.77	27.55	58.60	186.66	363.89	4,614.90	4,545.56	69.34	66.556		
11,600.00	6,809.15	6,329.00	6,319.16	140.59	27.55	61.33	186.66	363.89	4,678.62	4,609.26	69.37	67.448		
11,645.35	6,808.50	6,329.00	6,319.16	141.85	27.55	62.99	186.66	363.89	4,722.54	4,653.16	69.38	68.063		
11,700.00	6,807.72	6,329.00	6,319.16	143.37	27.55	62.99	186.66	363.89	4,775.40	4,705.99	69.41	68.802		
11,800.00	6,806.30	6,329.00	6,319.16	146.16	27.55	62.99	186.66	363.89	4,872.23	4,802.78	69.45	70.154		
11,900.00	6,804.88	6,329.00	6,319.16	148.94	27.55	62.99	186.66	363.89	4,969.18	4,899.69	69.49	71.506		
12,000.00	6,803.45	6,329.00	6,319.16	151.74	27.55	62.99	186.66	363.89	5,066.25	4,996.72	69.54	72.858		
12,100.00	6,802.03	6,329.00	6,319.16	154.53	27.55	62.99	186.66	363.89	5,163.44	5,093.86	69.58	74.210		
12,200.00	6,800.61	6,329.00	6,319.16	157.32	27.55	62.99	186.66	363.89	5,260.73	5,191.11	69.62	75.562		
12,300.00	6,799.18	6,329.00	6,319.16	160.12	27.55	62.99	186.66	363.89	5,358.12	5,288.46	69.66	76.914		
12,400.00	6,797.76	6,329.00	6,319.16	162.92	27.55	62.99	186.66	363.89	5,455.60	5,385.90	69.71	78.265		
12,500.00	6,796.34	6,329.00	6,319.16	165.72	27.55	62.99	186.66	363.89	5,553.18	5,483.43	69.75	79.615		
12,600.00	6,794.92	6,329.00	6,319.16	168.53	27.55	62.99	186.66	363.89	5,650.84	5,581.04	69.79	80.965		
12,700.00	6,793.49	6,329.00	6,319.16	171.33	27.55	62.99	186.66	363.89	5,748.58	5,678.74	69.84	82.313		
12,800.00	6,792.07	6,329.00	6,319.16	174.14	27.55	62.99	186.66	363.89	5,846.39	5,776.51	69.88	83.661		
12,900.00	6,790.65	6,329.00	6,319.16	176.95	27.55	62.99	186.66	363.89	5,944.28	5,874.35	69.93	85.007		
13,000.00	6,789.22	6,329.00	6,319.16	179.76	27.55	62.99	186.66	363.89	6,042.24	5,972.26	69.97	86.352		
13,100.00	6,787.80	6,329.00	6,319.16	182.57	27.55	62.99	186.66	363.89	6,140.26	6,070.24	70.02	87.695		
13,200.00	6,786.38	6,329.00	6,319.16	185.38	27.55	62.99	186.66	363.89	6,238.35	6,168.28	70.06	89.037		
13,300.00	6,784.95	6,329.00	6,319.16	188.20	27.55	62.99	186.66	363.89	6,336.49	6,266.38	70.11	90.378		
13,400.00	6,783.53	6,329.00	6,319.16	191.01	27.55	62.99	186.66	363.89	6,434.69	6,364.54	70.16	91.716		
13,500.00	6,782.11	6,329.00	6,319.16	193.83	27.55	62.99	186.66	363.89	6,532.95	6,462.75	70.21	93.053		
13,600.00	6,780.68	6,329.00	6,319.16	196.65	27.55	62.99	186.66	363.89	6,631.26	6,561.01	70.26	94.388		
13,700.00	6,779.26	6,329.00	6,319.16	199.47	27.55	62.99	186.66	363.89	6,729.62	6,659.32	70.30	95.721		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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 #A-5-3NBHZ - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 39-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
13,800.00	6,777.84	6,329.00	6,319.16	202.29	27.55	62.99	186.66	363.89	6,828.03	6,757.67	70.35	97.052					
13,900.00	6,776.42	6,329.00	6,319.16	205.11	27.55	62.99	186.66	363.89	6,926.48	6,856.08	70.40	98.381					
14,000.00	6,774.99	6,329.00	6,319.16	207.93	27.55	62.99	186.66	363.89	7,024.98	6,954.52	70.46	99.708					
14,100.00	6,773.57	6,329.00	6,319.16	210.76	27.55	62.99	186.66	363.89	7,123.52	7,053.01	70.51	101.033					
14,200.00	6,772.15	6,329.00	6,319.16	213.58	27.55	62.99	186.66	363.89	7,222.09	7,151.53	70.56	102.355					
14,300.00	6,770.72	6,329.00	6,319.16	216.40	27.55	62.99	186.66	363.89	7,320.71	7,250.10	70.61	103.675					
14,400.00	6,769.30	6,329.00	6,319.16	219.23	27.55	62.99	186.66	363.89	7,419.36	7,348.70	70.67	104.992					
14,500.00	6,767.88	6,329.00	6,319.16	222.06	27.55	62.99	186.66	363.89	7,518.05	7,447.33	70.72	106.307					
14,600.00	6,766.45	6,329.00	6,319.16	224.89	27.55	62.99	186.66	363.89	7,616.78	7,546.00	70.77	107.620					
14,700.00	6,765.03	6,329.00	6,319.16	227.71	27.55	62.99	186.66	363.89	7,715.54	7,644.70	70.83	108.930					
14,800.00	6,763.61	6,329.00	6,319.16	230.54	27.55	62.99	186.66	363.89	7,814.32	7,743.44	70.89	110.237					
14,900.00	6,762.19	6,329.00	6,319.16	233.37	27.55	62.99	186.66	363.89	7,913.14	7,842.20	70.94	111.541					
15,000.00	6,760.76	6,329.00	6,319.16	236.20	27.55	62.99	186.66	363.89	8,011.99	7,940.99	71.00	112.843					
15,100.00	6,759.34	6,329.00	6,319.16	239.03	27.55	62.99	186.66	363.89	8,110.87	8,039.81	71.06	114.142					
15,200.00	6,757.92	6,329.00	6,319.16	241.86	27.55	62.99	186.66	363.89	8,209.77	8,138.65	71.12	115.438					
15,300.00	6,756.49	6,329.00	6,319.16	244.70	27.55	62.99	186.66	363.89	8,308.70	8,237.52	71.18	116.731					
15,334.64	6,756.00	6,329.00	6,319.16	245.68	27.55	62.99	186.66	363.89	8,342.97	8,271.77	71.20	117.179					
15,335.52	6,755.99	6,329.00	6,319.16	245.70	27.55	62.99	186.66	363.89	8,343.85	8,272.65	71.20	117.190					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-72.66	286.73	-918.07	4,885.61					
100.00	100.00	0.00	0.00	3.28	0.00	-72.66	286.73	-918.07	4,787.61	4,780.70	6.91	693.252		
200.00	200.00	0.00	0.00	3.34	0.00	-72.66	286.73	-918.07	4,689.69	4,682.91	6.78	691.536		
300.00	300.00	0.00	0.00	3.44	0.00	-72.66	286.73	-918.07	4,591.86	4,585.20	6.66	689.481		
400.00	399.98	0.00	0.00	3.60	0.00	-72.66	286.73	-918.07	4,494.49	4,487.95	6.54	687.543		
500.00	499.84	0.00	0.00	3.79	0.00	-72.66	286.73	-918.07	4,398.07	4,391.65	6.41	685.791		
600.00	599.45	0.00	0.00	4.03	0.00	-72.66	286.73	-918.07	4,302.77	4,296.48	6.29	683.698		
700.00	698.70	0.00	0.00	4.30	0.00	-72.66	286.73	-918.07	4,208.80	4,202.62	6.18	681.054		
785.00	782.69	0.00	0.00	4.56	0.00	-72.66	286.73	-918.07	4,130.13	4,124.04	6.09	678.279		
800.00	797.47	0.00	0.00	4.60	0.00	-72.66	286.73	-918.07	4,116.35	4,110.28	6.07	678.167		
900.00	896.04	0.00	0.00	4.94	0.00	-72.66	286.73	-918.07	4,024.75	4,018.76	5.99	671.743		
1,000.00	994.61	0.00	0.00	5.30	0.00	-72.66	286.73	-918.07	3,933.56	3,927.63	5.93	663.808		
1,100.00	1,093.18	0.00	0.00	5.69	0.00	-72.66	286.73	-918.07	3,842.81	3,836.93	5.87	654.178		
1,200.00	1,191.75	0.00	0.00	6.08	0.00	-72.66	286.73	-918.07	3,752.52	3,746.68	5.84	642.686		
1,300.00	1,290.32	0.00	0.00	6.49	0.00	-72.66	286.73	-918.07	3,662.74	3,656.92	5.82	629.186		
1,400.00	1,388.89	0.00	0.00	6.91	0.00	-72.66	286.73	-918.07	3,573.51	3,567.68	5.82	613.578		
1,500.00	1,487.46	0.00	0.00	7.34	0.00	-72.66	286.73	-918.07	3,484.86	3,479.01	5.85	595.817		
1,600.00	1,586.03	0.00	0.00	7.77	0.00	-72.66	286.73	-918.07	3,396.83	3,390.94	5.90	575.930		
1,700.00	1,684.61	0.00	0.00	8.22	0.00	-72.66	286.73	-918.07	3,309.49	3,303.52	5.97	554.026		
1,800.00	1,783.18	0.00	0.00	8.66	0.00	-72.66	286.73	-918.07	3,222.89	3,216.81	6.08	530.298		
1,900.00	1,881.75	0.00	0.00	9.11	0.00	-72.66	286.73	-918.07	3,137.08	3,130.87	6.21	505.018		
2,000.00	1,980.32	0.00	0.00	9.57	0.00	-72.66	286.73	-918.07	3,052.14	3,045.76	6.38	478.525		
2,100.00	2,078.89	0.00	0.00	10.02	0.00	-72.66	286.73	-918.07	2,968.13	2,961.55	6.58	451.203		
2,200.00	2,177.46	0.00	0.00	10.49	0.00	-72.66	286.73	-918.07	2,885.14	2,878.33	6.81	423.456		
2,300.00	2,276.03	0.00	0.00	10.95	0.00	-72.66	286.73	-918.07	2,803.27	2,796.19	7.08	395.685		
2,400.00	2,374.60	0.00	0.00	11.41	0.00	-72.66	286.73	-918.07	2,722.61	2,715.21	7.39	368.265		
2,500.00	2,473.17	0.00	0.00	11.88	0.00	-72.66	286.73	-918.07	2,643.26	2,635.53	7.74	341.527		
2,600.00	2,571.74	0.00	0.00	12.35	0.00	-72.66	286.73	-918.07	2,565.37	2,557.24	8.12	315.750		
2,700.00	2,670.31	0.00	0.00	12.82	0.00	-72.66	286.73	-918.07	2,489.05	2,480.50	8.55	291.153		
2,800.00	2,768.88	0.00	0.00	13.29	0.00	-72.66	286.73	-918.07	2,414.46	2,405.45	9.01	267.899		
2,900.00	2,867.45	0.00	0.00	13.76	0.00	-72.66	286.73	-918.07	2,341.77	2,332.26	9.52	246.097		
3,000.00	2,966.02	0.00	0.00	14.24	0.00	-72.66	286.73	-918.07	2,271.16	2,261.10	10.06	225.808		
3,100.00	3,064.59	0.00	0.00	14.71	0.00	-72.66	286.73	-918.07	2,202.82	2,192.18	10.64	207.056		
3,200.00	3,163.16	0.00	0.00	15.19	0.00	-72.66	286.73	-918.07	2,136.98	2,125.73	11.26	189.834		
3,300.00	3,261.73	0.00	0.00	15.66	0.00	-72.66	286.73	-918.07	2,073.87	2,061.96	11.91	174.111		
3,400.00	3,360.30	0.00	0.00	16.14	0.00	-72.66	286.73	-918.07	2,013.76	2,001.16	12.60	159.840		
3,500.00	3,458.87	0.00	0.00	16.62	0.00	-72.66	286.73	-918.07	1,956.91	1,943.59	13.32	146.960		
3,600.00	3,557.44	0.00	0.00	17.10	0.00	-72.66	286.73	-918.07	1,903.61	1,889.56	14.06	135.405		
3,700.00	3,656.01	0.00	0.00	17.58	0.00	-72.66	286.73	-918.07	1,854.19	1,839.37	14.82	125.105		
3,800.00	3,754.58	0.00	0.00	18.06	0.00	-72.66	286.73	-918.07	1,808.94	1,793.35	15.60	115.987		
3,900.00	3,853.15	0.00	0.00	18.54	0.00	-72.66	286.73	-918.07	1,768.20	1,751.83	16.38	107.980		
4,000.00	3,951.72	0.00	0.00	19.02	0.00	-72.66	286.73	-918.07	1,732.28	1,715.13	17.15	101.015		
4,100.00	4,050.29	0.00	0.00	19.50	0.00	-72.66	286.73	-918.07	1,701.49	1,683.58	17.91	95.025		
4,200.00	4,148.86	0.00	0.00	19.98	0.00	-72.66	286.73	-918.07	1,676.11	1,657.47	18.63	89.947		
4,300.00	4,247.43	0.00	0.00	20.46	0.00	-72.66	286.73	-918.07	1,656.38	1,637.06	19.32	85.721		
4,400.00	4,346.00	0.00	0.00	20.94	0.00	-72.66	286.73	-918.07	1,642.52	1,622.56	19.96	82.291		
4,500.00	4,444.58	0.00	0.00	21.43	0.00	-72.66	286.73	-918.07	1,634.66	1,614.13	20.53	79.605		
4,578.68	4,522.13	0.00	0.00	21.80	0.00	-72.66	286.73	-918.07	1,632.77	1,611.83	20.94	77.983		
4,600.00	4,543.15	0.00	0.00	21.91	0.00	-72.66	286.73	-918.07	1,632.91	1,611.87	21.04	77.614		
4,700.00	4,641.72	0.00	0.00	22.39	0.00	-72.66	286.73	-918.07	1,637.27	1,615.80	21.47	76.273		
4,800.00	4,740.29	0.00	0.00	22.87	0.00	-72.66	286.73	-918.07	1,647.70	1,625.89	21.81	75.541		
4,900.00	4,838.86	46.89	46.89	23.36	0.12	-72.66	286.57	-918.18	1,663.39	1,641.09	22.30	74.603		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
5,000.00	4,937.43	136.69	136.69	23.84	0.51	166.98	286.03	-918.83	1,680.19	1,657.06	23.13	72.654		
5,100.00	5,036.00	230.19	230.17	24.32	0.93	167.06	285.28	-920.06	1,697.40	1,673.42	23.98	70.785		
5,200.00	5,134.57	324.13	324.10	24.81	1.34	167.13	284.41	-921.63	1,714.88	1,690.04	24.84	69.046		
5,300.00	5,233.14	437.45	437.39	25.29	1.84	167.19	282.74	-923.51	1,732.11	1,706.29	25.82	67.081		
5,400.00	5,331.71	545.20	545.07	25.78	2.32	167.20	279.53	-925.41	1,748.74	1,721.97	26.77	65.318		
5,500.00	5,430.28	663.19	662.93	26.26	2.84	167.17	274.26	-927.05	1,764.35	1,736.56	27.79	63.484		
5,600.00	5,528.85	771.73	771.25	26.75	3.33	167.08	267.43	-928.67	1,779.24	1,750.48	28.76	61.869		
5,700.00	5,627.42	871.91	871.09	27.23	3.79	166.94	259.51	-930.61	1,793.78	1,764.10	29.68	60.438		
5,800.00	5,725.99	958.26	957.09	27.72	4.20	166.80	252.01	-932.89	1,808.62	1,778.10	30.52	59.263		
5,900.00	5,824.56	1,041.33	1,039.74	28.20	4.59	166.64	244.40	-936.10	1,824.32	1,792.98	31.34	58.212		
6,000.00	5,923.13	1,129.83	1,127.75	28.69	5.02	166.45	236.11	-940.38	1,840.80	1,808.60	32.20	57.167		
6,100.00	6,021.70	1,217.41	1,214.83	29.17	5.44	166.27	228.04	-944.91	1,857.68	1,824.63	33.06	56.198		
6,200.00	6,120.27	1,297.30	1,294.31	29.66	5.82	166.12	221.35	-949.50	1,875.45	1,841.60	33.85	55.399		
6,238.51	6,158.23	1,339.18	1,335.99	29.84	6.02	166.05	218.06	-952.00	1,882.46	1,848.22	34.24	54.977		
6,250.00	6,169.57	1,352.17	1,348.92	29.90	6.08	161.53	217.04	-952.75	1,884.44	1,850.08	34.36	54.845		
6,300.00	6,219.12	1,409.23	1,405.71	30.13	6.36	132.25	212.50	-955.90	1,890.83	1,855.95	34.88	54.217		
6,350.00	6,268.78	1,467.05	1,463.21	30.33	6.64	94.43	207.33	-959.12	1,893.56	1,858.18	35.39	53.512		
6,400.00	6,318.25	1,544.19	1,539.81	30.52	7.02	69.74	199.23	-963.30	1,892.46	1,856.44	36.02	52.536		
6,450.00	6,367.22	1,674.82	1,669.15	30.69	7.68	57.46	181.80	-968.16	1,886.62	1,849.62	37.00	50.987		
6,500.00	6,415.39	1,743.26	1,736.72	30.86	8.04	51.07	170.90	-969.37	1,875.81	1,838.27	37.54	49.970		
6,550.00	6,462.47	1,805.46	1,798.14	31.02	8.36	47.67	161.14	-969.77	1,861.25	1,823.23	38.01	48.962		
6,600.00	6,508.16	1,862.99	1,855.02	31.18	8.65	46.01	152.52	-969.50	1,843.18	1,804.74	38.44	47.948		
6,650.00	6,552.18	1,897.67	1,889.32	31.34	8.83	45.36	147.43	-969.24	1,822.02	1,783.30	38.72	47.058		
6,700.00	6,594.26	1,929.97	1,921.26	31.51	8.99	45.52	142.61	-969.26	1,798.21	1,759.24	38.97	46.142		
6,750.00	6,634.14	1,961.02	1,951.95	31.68	9.15	46.35	137.91	-969.50	1,771.90	1,732.70	39.21	45.193		
6,800.00	6,671.58	1,994.01	1,984.55	31.86	9.33	47.85	132.84	-969.95	1,743.22	1,703.76	39.46	44.181		
6,850.00	6,706.34	2,024.97	2,015.13	32.06	9.49	49.97	128.03	-970.50	1,712.30	1,672.61	39.69	43.138		
6,900.00	6,738.21	2,053.72	2,043.52	32.27	9.64	52.71	123.51	-971.13	1,679.38	1,639.46	39.92	42.067		
6,950.00	6,766.99	2,088.01	2,077.37	32.52	9.82	56.34	118.15	-971.86	1,644.62	1,604.42	40.20	40.914		
7,000.00	6,792.51	2,118.50	2,107.50	32.80	9.98	60.68	113.49	-972.36	1,608.22	1,567.75	40.47	39.743		
7,050.00	6,814.61	2,144.65	2,133.35	33.12	10.12	65.70	109.58	-972.67	1,570.51	1,529.78	40.73	38.559		
7,100.00	6,833.15	2,159.38	2,147.93	33.48	10.20	70.97	107.41	-972.82	1,531.85	1,490.90	40.96	37.403		
7,150.00	6,848.02	2,170.08	2,158.51	33.89	10.25	76.60	105.85	-972.97	1,492.63	1,451.43	41.19	36.234		
7,200.00	6,859.13	2,178.43	2,166.77	34.35	10.30	82.51	104.64	-973.11	1,453.11	1,411.65	41.46	35.047		
7,250.00	6,866.40	2,184.29	2,172.56	34.86	10.33	88.49	103.79	-973.22	1,413.60	1,371.84	41.77	33.846		
7,300.00	6,869.79	2,187.55	2,175.79	35.40	10.35	94.33	103.32	-973.29	1,374.40	1,332.29	42.11	32.638		
7,327.68	6,870.00	2,188.20	2,176.43	35.71	10.35	97.42	103.23	-973.31	1,352.95	1,310.63	42.32	31.970		
7,400.00	6,868.97	2,188.81	2,177.04	36.61	10.35	97.46	103.14	-973.32	1,298.01	1,255.06	42.95	30.221		
7,500.00	6,867.54	2,189.68	2,177.90	38.01	10.36	97.52	103.01	-973.34	1,225.01	1,180.95	44.06	27.802		
7,600.00	6,866.12	2,190.60	2,178.81	39.58	10.36	97.58	102.88	-973.36	1,156.06	1,110.57	45.49	25.415		
7,700.00	6,864.69	2,191.57	2,179.76	41.29	10.37	97.65	102.74	-973.38	1,091.93	1,044.67	47.26	23.105		
7,800.00	6,863.27	2,192.58	2,180.76	43.12	10.37	97.71	102.60	-973.40	1,033.50	984.11	49.39	20.925		
7,900.00	6,861.85	2,193.64	2,181.82	45.06	10.38	97.78	102.45	-973.43	981.81	929.95	51.86	18.931		
8,000.00	6,860.42	2,194.76	2,182.92	47.10	10.38	97.86	102.28	-973.45	937.96	883.34	54.61	17.174		
8,100.00	6,859.00	2,195.94	2,184.09	49.21	10.39	97.94	102.12	-973.48	903.09	845.56	57.53	15.697		
8,200.00	6,857.57	2,197.18	2,185.32	51.40	10.40	98.02	101.94	-973.51	878.29	817.83	60.46	14.526		
8,300.00	6,856.15	2,198.49	2,186.62	53.65	10.40	98.11	101.75	-973.54	864.41	801.19	63.22	13.674		
8,370.99	6,855.14	2,199.47	2,187.59	55.29	10.41	98.17	101.61	-973.57	861.49	796.52	64.97	13.260 CC		
8,400.00	6,854.72	2,199.89	2,188.00	55.96	10.41	98.20	101.55	-973.58	861.98	796.36	65.62	13.137 ES		
8,500.00	6,853.30	2,201.36	2,189.46	58.31	10.42	98.30	101.34	-973.62	871.09	803.56	67.53	12.900 SF		
8,600.00	6,851.88	2,202.93	2,191.01	60.70	10.43	98.40	101.12	-973.66	891.40	822.52	68.88	12.941		
8,700.00	6,850.45	2,204.60	2,192.66	63.14	10.44	98.51	100.88	-973.70	922.16	852.47	69.70	13.231		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,849.03	2,206.38	2,194.42	65.60	10.44	98.63	100.62	-973.75	962.37	892.35	70.03	13.743		
8,900.00	6,847.60	2,208.29	2,196.31	68.10	10.45	98.76	100.35	-973.80	1,010.91	940.94	69.97	14.447		
9,000.00	6,846.18	2,210.33	2,198.33	70.62	10.47	98.89	100.06	-973.86	1,066.63	997.01	69.63	15.319		
9,100.00	6,844.75	2,212.52	2,200.49	73.17	10.48	99.04	99.75	-973.92	1,128.48	1,059.39	69.09	16.333		
9,200.00	6,843.33	2,214.87	2,202.83	75.73	10.49	99.20	99.42	-973.99	1,195.50	1,127.07	68.43	17.470		
9,300.00	6,841.91	2,217.42	2,205.35	78.32	10.50	99.37	99.06	-974.07	1,266.87	1,199.17	67.70	18.712		
9,400.00	6,840.48	2,220.18	2,208.08	80.92	10.52	99.55	98.67	-974.16	1,341.90	1,274.95	66.95	20.043		
9,500.00	6,839.06	2,223.18	2,211.04	83.54	10.53	99.75	98.25	-974.26	1,420.01	1,353.81	66.20	21.451		
9,600.00	6,837.63	2,226.45	2,214.28	86.18	10.55	99.97	97.79	-974.36	1,500.71	1,435.24	65.47	22.924		
9,700.00	6,836.21	2,230.03	2,217.82	88.82	10.57	100.20	97.28	-974.49	1,583.61	1,518.85	64.76	24.453		
9,800.00	6,834.78	2,233.97	2,221.72	91.48	10.59	100.46	96.73	-974.63	1,668.38	1,604.28	64.09	26.031		
9,900.00	6,833.36	2,238.32	2,226.02	94.15	10.61	100.75	96.13	-974.79	1,754.74	1,691.28	63.46	27.650		
10,000.00	6,831.94	2,243.15	2,230.81	96.83	10.64	101.07	95.45	-974.97	1,842.48	1,779.61	62.87	29.305		
10,100.00	6,830.51	2,248.55	2,236.15	99.52	10.67	101.43	94.70	-975.19	1,931.41	1,869.09	62.32	30.992		
10,200.00	6,829.09	2,254.62	2,242.16	102.22	10.70	101.83	93.86	-975.44	2,021.36	1,959.55	61.81	32.705		
10,300.00	6,827.66	2,261.50	2,248.97	104.92	10.73	102.29	92.92	-975.74	2,112.21	2,050.88	61.33	34.441		
10,400.00	6,826.24	2,261.19	2,248.66	107.63	10.73	102.27	92.92	-975.69	2,203.85	2,142.96	60.89	36.195		
10,500.00	6,824.81	2,266.10	2,253.51	110.35	10.76	102.59	92.22	-975.90	2,296.18	2,235.71	60.48	37.968		
10,600.00	6,823.39	2,271.17	2,258.52	113.08	10.79	102.93	91.50	-976.11	2,389.12	2,329.03	60.10	39.756		
10,700.00	6,821.96	2,276.42	2,263.72	115.81	10.81	103.27	90.74	-976.33	2,482.60	2,422.86	59.74	41.557		
10,800.00	6,820.54	2,281.87	2,269.10	118.54	10.84	103.63	89.95	-976.56	2,576.57	2,517.16	59.41	43.369		
10,900.00	6,819.12	2,287.51	2,274.67	121.29	10.87	104.00	89.13	-976.81	2,670.97	2,611.86	59.10	45.190		
11,000.00	6,817.69	2,293.36	2,280.46	124.03	10.90	104.39	88.27	-977.07	2,765.75	2,706.93	58.82	47.020		
11,100.00	6,816.27	2,299.44	2,286.46	126.78	10.94	104.79	87.38	-977.34	2,860.88	2,802.32	58.56	48.857		
11,200.00	6,814.84	2,305.75	2,292.70	129.54	10.97	105.20	86.44	-977.62	2,956.32	2,898.01	58.31	50.699		
11,300.00	6,813.42	2,312.31	2,299.18	132.29	11.01	105.63	85.46	-977.92	3,052.05	2,993.97	58.08	52.546		
11,400.00	6,811.99	2,319.14	2,305.92	135.05	11.04	106.08	84.43	-978.24	3,148.04	3,090.17	57.87	54.397		
11,500.00	6,810.57	2,326.24	2,312.94	137.82	11.08	106.54	83.36	-978.58	3,244.26	3,186.59	57.68	56.250		
11,534.42	6,810.08	2,328.76	2,315.42	138.77	11.09	106.70	82.97	-978.70	3,277.44	3,219.82	57.61	56.889		
11,600.00	6,809.15	2,333.43	2,320.03	140.59	11.12	105.73	82.26	-978.92	3,340.50	3,283.02	57.49	58.109		
11,645.35	6,808.50	2,336.47	2,323.03	141.85	11.13	105.12	81.79	-979.07	3,383.95	3,326.55	57.40	58.956		
11,700.00	6,807.72	2,340.08	2,326.59	143.37	11.15	105.33	81.24	-979.25	3,436.23	3,378.94	57.29	59.979		
11,800.00	6,806.30	2,346.89	2,333.31	146.16	11.19	105.72	80.18	-979.58	3,532.09	3,474.99	57.11	61.850		
11,900.00	6,804.88	2,353.99	2,340.31	148.94	11.23	106.12	79.07	-979.94	3,628.17	3,571.24	56.94	63.724		
12,000.00	6,803.45	2,360.00	2,347.79	151.74	11.27	106.51	77.92	-980.33	3,724.46	3,668.10	56.75	65.600		
12,100.00	6,802.03	2,366.01	2,355.31	154.53	11.32	106.90	76.77	-980.74	3,820.95	3,764.20	56.56	67.476		
12,200.00	6,800.61	2,372.02	2,362.83	157.32	11.37	107.29	75.62	-981.16	3,917.62	3,860.27	56.37	69.352		
12,300.00	6,799.18	2,378.03	2,370.35	160.12	11.42	107.68	74.47	-981.59	4,014.42	3,957.07	56.18	71.228		
12,400.00	6,797.76	2,384.04	2,377.93	162.92	11.47	108.07	73.32	-982.02	4,111.39	4,053.94	56.00	73.104		
12,500.00	6,796.34	2,390.05	2,385.55	165.72	11.52	108.46	72.17	-982.45	4,208.50	4,151.05	55.82	74.980		
12,600.00	6,794.92	2,396.06	2,393.17	168.53	11.57	108.85	71.02	-982.88	4,305.74	4,248.29	55.64	76.856		
12,700.00	6,793.49	2,402.07	2,400.74	171.33	11.62	109.24	69.87	-983.31	4,403.10	4,345.68	55.46	78.732		
12,800.00	6,792.07	2,408.08	2,408.41	174.14	11.67	109.63	68.72	-983.74	4,500.58	4,443.16	55.28	80.608		
12,900.00	6,790.65	2,414.09	2,416.99	176.95	11.72	110.02	67.57	-984.17	4,598.16	4,540.64	55.10	82.484		
13,000.00	6,789.22	2,420.10	2,424.00	179.76	11.77	110.41	66.42	-984.60	4,695.84	4,638.12	54.92	84.360		
13,100.00	6,787.80	2,426.11	2,431.01	182.57	11.82	110.80	65.27	-985.03	4,793.62	4,735.60	54.74	86.236		
13,200.00	6,786.38	2,432.12	2,438.02	185.38	11.87	111.19	64.12	-985.46	4,891.49	4,833.08	54.56	88.112		
13,300.00	6,784.95	2,438.13	2,445.03	188.20	11.92	111.58	62.97	-985.89	4,989.44	4,930.56	54.38	89.988		
13,400.00	6,783.53	2,444.14	2,452.04	191.01	11.97	111.97	61.82	-986.32	5,087.47	5,028.09	54.20	91.864		
13,500.00	6,782.11	2,450.15	2,459.05	193.83	12.02	112.36	60.67	-986.75	5,185.57	5,125.61	54.02	93.740		
13,600.00	6,780.68	2,456.16	2,466.06	196.65	12.07	112.75	59.52	-987.18	5,283.75	5,223.79	53.84	95.616		
13,700.00	6,779.26	2,462.17	2,473.07	199.47	12.12	113.14	58.37	-987.61	5,381.99	5,321.93	53.66	97.492		

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 34N-6A-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 34N-6A-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:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,777.84	2,376.46	2,362.50	202.29	11.35	107.41	75.67	-980.91	5,480.29	5,425.05	55.24	99.207		
13,900.00	6,776.42	2,377.95	2,363.97	205.11	11.36	107.49	75.45	-980.98	5,578.65	5,523.45	55.21	101.047		
14,000.00	6,774.99	2,379.41	2,365.42	207.93	11.37	107.57	75.22	-981.04	5,677.07	5,621.89	55.18	102.883		
14,100.00	6,773.57	2,380.85	2,366.84	210.76	11.37	107.65	75.00	-981.10	5,775.55	5,720.39	55.16	104.714		
14,200.00	6,772.15	2,382.27	2,368.24	213.58	11.38	107.73	74.79	-981.16	5,874.07	5,818.94	55.13	106.541		
14,300.00	6,770.72	2,383.66	2,369.62	216.40	11.39	107.81	74.58	-981.22	5,972.64	5,917.53	55.12	108.364		
14,400.00	6,769.30	2,385.04	2,370.97	219.23	11.40	107.89	74.37	-981.28	6,071.26	6,016.16	55.10	110.181		
14,500.00	6,767.88	2,386.39	2,372.31	222.06	11.40	107.97	74.16	-981.34	6,169.92	6,114.83	55.09	111.994		
14,600.00	6,766.45	2,387.72	2,373.63	224.89	11.41	108.04	73.96	-981.39	6,268.63	6,213.54	55.08	113.802		
14,700.00	6,765.03	2,389.04	2,374.92	227.71	11.42	108.12	73.76	-981.45	6,367.37	6,312.29	55.08	115.605		
14,800.00	6,763.61	2,390.33	2,376.20	230.54	11.42	108.19	73.57	-981.50	6,466.15	6,411.08	55.08	117.403		
14,900.00	6,762.19	2,391.61	2,377.46	233.37	11.43	108.26	73.38	-981.55	6,564.97	6,509.90	55.08	119.195		
15,000.00	6,760.76	2,392.86	2,378.70	236.20	11.44	108.34	73.19	-981.60	6,663.83	6,608.75	55.08	120.982		
15,100.00	6,759.34	2,394.10	2,379.93	239.03	11.44	108.41	73.00	-981.65	6,762.71	6,707.63	55.09	122.763		
15,200.00	6,757.92	2,395.32	2,381.13	241.86	11.45	108.47	72.81	-981.70	6,861.63	6,806.54	55.10	124.540		
15,300.00	6,756.49	2,396.52	2,382.32	244.70	11.46	108.54	72.63	-981.75	6,960.58	6,905.47	55.11	126.310		
15,334.64	6,756.00	2,396.94	2,382.73	245.68	11.46	108.57	72.57	-981.77	6,994.86	6,939.75	55.11	126.922		
15,335.52	6,755.99	2,396.95	2,382.74	245.70	11.46	108.57	72.57	-981.77	6,995.74	6,940.62	55.11	126.937		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-71.13	316.96	-927.53	980.89					
100.00	100.00	58.92	58.92	3.28	3.29	-71.13	317.00	-927.62	980.29	973.72	6.57	149.151		
200.00	200.00	150.25	150.24	3.34	3.34	-71.13	317.28	-928.35	981.15	974.47	6.68	146.930		
300.00	300.00	260.34	260.33	3.44	3.46	-71.15	317.32	-929.35	982.04	975.13	6.91	142.213		
400.00	399.98	348.31	348.28	3.60	3.60	158.67	315.97	-930.73	984.64	977.44	7.20	136.759		
500.00	499.84	436.12	435.98	3.79	3.78	158.49	313.00	-933.68	991.60	984.03	7.57	130.914		
600.00	599.45	515.27	514.88	4.03	3.97	158.23	308.65	-938.24	1,003.41	995.40	8.01	125.270		
700.00	698.70	590.74	589.80	4.30	4.18	157.85	302.59	-944.91	1,020.55	1,012.05	8.50	120.009		
785.00	782.69	661.45	659.66	4.56	4.41	157.40	295.29	-953.09	1,039.21	1,030.22	8.98	115.668		
800.00	797.47	674.72	672.75	4.60	4.45	157.34	293.85	-954.71	1,042.78	1,033.70	9.08	114.859		
900.00	896.04	783.71	780.16	4.94	4.86	156.83	281.09	-968.06	1,066.41	1,056.64	9.77	109.157		
1,000.00	994.61	885.41	880.25	5.30	5.28	156.30	267.55	-979.96	1,089.11	1,078.61	10.51	103.666		
1,100.00	1,093.18	1,071.81	1,063.00	5.69	6.13	155.08	235.03	-996.10	1,108.20	1,096.51	11.69	94.770		
1,200.00	1,191.75	1,202.25	1,189.83	6.08	6.78	153.99	204.98	-1,000.98	1,120.97	1,108.25	12.73	88.060		
1,300.00	1,290.32	1,347.57	1,330.35	6.49	7.57	152.67	168.06	-1,003.61	1,132.02	1,118.12	13.91	81.392		
1,400.00	1,388.89	1,432.27	1,411.94	6.91	8.05	151.87	145.32	-1,003.93	1,141.32	1,126.52	14.80	77.091		
1,500.00	1,487.46	1,524.99	1,501.30	7.34	8.59	151.02	120.63	-1,004.55	1,151.29	1,135.53	15.77	73.011		
1,600.00	1,586.03	1,609.22	1,582.64	7.77	9.10	150.28	98.79	-1,005.79	1,162.45	1,145.75	16.70	69.626		
1,700.00	1,684.61	1,710.59	1,680.88	8.22	9.71	149.47	73.86	-1,007.41	1,174.22	1,156.49	17.73	66.220		
1,800.00	1,783.18	1,810.67	1,778.03	8.66	10.31	148.72	49.87	-1,008.66	1,185.98	1,167.21	18.77	63.197		
1,900.00	1,881.75	1,893.19	1,858.21	9.11	10.81	148.12	30.33	-1,009.73	1,198.09	1,178.40	19.69	60.837		
2,000.00	1,980.32	1,955.00	1,918.59	9.57	11.18	147.75	17.35	-1,012.04	1,212.99	1,192.52	20.47	59.248		
2,100.00	2,078.89	2,033.85	1,996.15	10.02	11.61	147.42	3.89	-1,016.38	1,230.27	1,208.95	21.32	57.703		
2,200.00	2,177.46	2,179.74	2,140.70	10.49	12.34	147.13	-15.25	-1,020.37	1,245.01	1,222.48	22.53	55.267		
2,300.00	2,276.03	2,266.98	2,227.58	10.95	12.73	147.14	-22.84	-1,022.05	1,259.93	1,236.58	23.35	53.948		
2,400.00	2,374.60	2,369.58	2,329.99	11.41	13.16	147.28	-28.87	-1,023.63	1,274.89	1,250.66	24.23	52.617		
2,500.00	2,473.17	2,473.90	2,434.25	11.88	13.56	147.57	-32.00	-1,024.48	1,289.54	1,264.46	25.08	51.414		
2,600.00	2,571.74	2,572.68	2,533.03	12.35	13.92	147.92	-33.04	-1,024.74	1,303.95	1,278.06	25.89	50.364		
2,700.00	2,670.31	2,673.10	2,633.44	12.82	14.25	148.33	-32.59	-1,024.71	1,318.35	1,291.68	26.67	49.424		
2,800.00	2,768.88	2,766.41	2,726.74	13.29	14.54	148.76	-30.95	-1,024.60	1,332.95	1,305.54	27.40	48.640		
2,900.00	2,867.45	2,858.11	2,818.41	13.76	14.82	149.21	-28.51	-1,024.85	1,348.13	1,320.00	28.13	47.925		
3,000.00	2,966.02	2,954.12	2,914.38	14.24	15.13	149.66	-25.88	-1,025.26	1,363.58	1,334.70	28.88	47.217		
3,100.00	3,064.59	3,043.52	3,003.74	14.71	15.42	150.07	-23.63	-1,026.15	1,379.63	1,350.03	29.61	46.598		
3,200.00	3,163.16	3,142.31	3,102.50	15.19	15.75	150.50	-21.33	-1,027.58	1,396.15	1,365.77	30.38	45.949		
3,300.00	3,261.73	3,241.61	3,201.71	15.66	16.07	150.99	-17.44	-1,028.29	1,412.36	1,381.20	31.16	45.324		
3,400.00	3,360.30	3,335.49	3,295.53	16.14	16.38	151.43	-13.91	-1,029.35	1,429.03	1,397.11	31.92	44.775		
3,500.00	3,458.87	3,471.50	3,431.46	16.62	16.85	152.04	-9.58	-1,029.79	1,445.03	1,412.15	32.88	43.950		
3,600.00	3,557.44	3,556.55	3,516.47	17.10	17.14	152.41	-7.04	-1,029.24	1,459.97	1,426.36	33.60	43.446		
3,700.00	3,656.01	3,652.29	3,612.17	17.58	17.47	152.80	-4.48	-1,029.00	1,475.34	1,440.95	34.39	42.906		
3,800.00	3,754.58	3,751.92	3,711.78	18.06	17.82	153.19	-2.10	-1,029.00	1,490.94	1,455.75	35.19	42.366		
3,900.00	3,853.15	3,865.45	3,825.27	18.54	18.23	153.63	0.69	-1,028.02	1,505.78	1,469.71	36.07	41.747		
4,000.00	3,951.72	3,967.24	3,927.02	19.02	18.59	154.02	3.07	-1,026.66	1,520.23	1,483.34	36.89	41.210		
4,100.00	4,050.29	4,055.16	4,014.90	19.50	18.91	154.36	5.36	-1,025.51	1,534.86	1,497.21	37.65	40.771		
4,200.00	4,148.86	4,141.34	4,101.05	19.98	19.23	154.69	7.90	-1,025.16	1,550.46	1,512.06	38.39	40.385		
4,300.00	4,247.43	4,238.28	4,197.93	20.46	19.58	155.06	11.00	-1,025.16	1,566.59	1,527.39	39.20	39.968		
4,400.00	4,346.00	4,364.61	4,324.18	20.94	20.05	155.55	15.35	-1,024.03	1,582.05	1,541.89	40.16	39.398		
4,500.00	4,444.58	4,454.92	4,414.44	21.43	20.38	155.89	18.10	-1,022.67	1,596.84	1,555.91	40.93	39.013		
4,600.00	4,543.15	4,543.68	4,503.16	21.91	20.72	156.20	20.47	-1,021.88	1,612.18	1,570.48	41.70	38.660		
4,700.00	4,641.72	4,639.37	4,598.82	22.39	21.08	156.52	22.81	-1,021.43	1,627.90	1,585.39	42.51	38.292		
4,800.00	4,740.29	4,729.84	4,689.27	22.87	21.43	156.79	24.59	-1,021.43	1,643.97	1,600.68	43.30	37.968		
4,900.00	4,838.86	4,823.17	4,782.59	23.36	21.79	157.07	26.56	-1,021.99	1,660.70	1,616.59	44.10	37.655		
5,000.00	4,937.43	4,951.78	4,911.17	23.84	22.29	157.44	28.84	-1,021.60	1,676.51	1,631.40	45.11	37.163		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,074.48	5,033.83	24.32	22.77	157.80	30.78	-1,019.20	1,690.75	1,644.68	46.08	36.693		
5,200.00	5,134.57	5,162.86	5,122.18	24.81	23.12	158.04	31.77	-1,017.31	1,704.72	1,657.86	46.86	36.377		
5,300.00	5,233.14	5,251.28	5,210.59	25.29	23.47	158.26	32.24	-1,016.05	1,719.22	1,671.57	47.65	36.080		
5,400.00	5,331.71	5,324.73	5,284.04	25.78	23.76	158.42	32.59	-1,015.84	1,734.80	1,686.45	48.35	35.879		
5,500.00	5,430.28	5,500.00	5,459.16	26.26	24.47	158.77	31.19	-1,012.66	1,748.26	1,698.63	49.63	35.223		
5,600.00	5,528.85	5,603.00	5,562.12	26.75	24.89	158.94	28.61	-1,008.41	1,759.29	1,708.77	50.52	34.826		
5,700.00	5,627.42	5,665.19	5,624.28	27.23	25.15	159.06	27.88	-1,006.57	1,771.98	1,720.80	51.18	34.622		
5,800.00	5,725.99	5,738.82	5,697.90	27.72	25.44	159.24	28.56	-1,005.62	1,786.78	1,734.89	51.89	34.436		
5,900.00	5,824.56	5,816.68	5,775.74	28.20	25.75	159.44	29.98	-1,005.03	1,802.52	1,749.91	52.61	34.264		
6,000.00	5,923.13	5,873.00	5,832.03	28.69	25.98	159.60	31.81	-1,005.18	1,819.86	1,766.69	53.17	34.227		
6,100.00	6,021.70	5,939.89	5,898.84	29.17	26.24	159.80	34.81	-1,006.47	1,839.15	1,785.37	53.78	34.195		
6,200.00	6,120.27	6,040.47	5,999.23	29.66	26.64	160.10	40.05	-1,009.92	1,859.98	1,805.34	54.64	34.040		
6,238.51	6,158.23	6,165.57	6,124.24	29.84	27.14	160.43	44.07	-1,011.07	1,866.71	1,811.15	55.56	33.598		
6,250.00	6,169.57	6,180.24	6,138.91	29.90	27.20	155.99	44.25	-1,010.97	1,868.41	1,812.73	55.68	33.558		
6,300.00	6,219.12	6,244.45	6,203.11	30.13	27.46	127.03	44.54	-1,010.36	1,873.38	1,817.20	56.19	33.342		
6,350.00	6,268.78	6,276.51	6,235.17	30.33	27.59	89.39	44.69	-1,010.20	1,874.91	1,818.42	56.49	33.191		
6,400.00	6,318.25	6,316.00	6,274.66	30.52	27.75	64.83	44.91	-1,010.16	1,873.10	1,816.28	56.81	32.968		
6,450.00	6,367.22	6,355.65	6,314.31	30.69	27.92	52.52	45.30	-1,010.27	1,867.97	1,810.84	57.12	32.701		
6,500.00	6,415.39	6,395.38	6,354.03	30.86	28.08	46.08	45.93	-1,010.48	1,859.54	1,802.13	57.41	32.389		
6,550.00	6,462.47	6,435.22	6,393.87	31.02	28.24	42.55	46.78	-1,010.79	1,847.87	1,790.18	57.69	32.033		
6,600.00	6,508.16	6,474.13	6,432.75	31.18	28.40	40.65	47.80	-1,011.17	1,833.03	1,775.09	57.94	31.636		
6,650.00	6,552.18	6,535.70	6,494.30	31.34	28.65	40.10	49.47	-1,011.71	1,814.98	1,756.64	58.34	31.109		
6,700.00	6,594.26	6,607.81	6,566.41	31.51	28.95	40.56	50.35	-1,011.51	1,793.10	1,734.30	58.80	30.496		
6,750.00	6,634.14	6,663.42	6,622.01	31.68	29.17	41.59	50.40	-1,010.90	1,767.88	1,708.75	59.14	29.895		
6,800.00	6,671.58	6,692.58	6,651.16	31.86	29.29	42.86	50.29	-1,010.53	1,739.88	1,680.56	59.31	29.334		
6,850.00	6,706.34	6,715.07	6,673.66	32.06	29.39	44.57	50.27	-1,010.39	1,709.67	1,650.22	59.45	28.760		
6,900.00	6,738.21	6,735.95	6,694.54	32.27	29.47	46.83	50.31	-1,010.38	1,677.44	1,617.87	59.57	28.158		
6,950.00	6,766.99	6,762.00	6,720.59	32.52	29.58	49.86	50.45	-1,010.55	1,643.41	1,583.67	59.74	27.507		
7,000.00	6,792.51	6,777.92	6,736.51	32.80	29.65	53.24	50.57	-1,010.70	1,607.70	1,547.83	59.87	26.855		
7,050.00	6,814.61	6,801.01	6,759.59	33.12	29.74	57.62	50.78	-1,010.89	1,570.50	1,510.43	60.07	26.146		
7,100.00	6,833.15	6,820.33	6,778.91	33.48	29.82	62.62	50.98	-1,011.03	1,532.07	1,471.80	60.27	25.419		
7,150.00	6,848.02	6,835.81	6,794.39	33.89	29.89	68.18	51.15	-1,011.13	1,492.70	1,432.20	60.49	24.675		
7,200.00	6,859.13	6,847.37	6,805.95	34.35	29.93	74.17	51.30	-1,011.19	1,452.69	1,391.95	60.74	23.918		
7,250.00	6,866.40	6,855.18	6,813.76	34.86	29.97	80.41	51.40	-1,011.23	1,412.33	1,351.32	61.00	23.152		
7,300.00	6,869.79	6,859.21	6,817.79	35.40	29.98	86.67	51.45	-1,011.25	1,371.92	1,310.61	61.30	22.379		
7,327.68	6,870.00	6,859.59	6,818.17	35.71	29.98	90.04	51.45	-1,011.26	1,349.62	1,288.14	61.48	21.952		
7,400.00	6,868.97	6,858.83	6,817.41	36.61	29.98	89.99	51.44	-1,011.25	1,292.25	1,230.22	62.02	20.835		
7,500.00	6,867.54	6,857.77	6,816.35	38.01	29.98	89.91	51.43	-1,011.25	1,215.53	1,152.53	63.00	19.294		
7,600.00	6,866.12	6,856.69	6,815.27	39.58	29.97	89.84	51.42	-1,011.24	1,142.43	1,078.14	64.29	17.770		
7,700.00	6,864.69	6,855.60	6,814.18	41.29	29.97	89.76	51.40	-1,011.24	1,073.66	1,007.73	65.93	16.284		
7,800.00	6,863.27	6,854.50	6,813.08	43.12	29.96	89.68	51.39	-1,011.23	1,010.13	942.16	67.97	14.861		
7,900.00	6,861.85	6,853.39	6,811.97	45.06	29.96	89.60	51.37	-1,011.22	952.88	882.47	70.40	13.535		
8,000.00	6,860.42	6,852.38	6,810.96	47.10	29.95	89.53	51.36	-1,011.22	903.10	829.90	73.20	12.338		
8,100.00	6,859.00	6,851.44	6,810.02	49.21	29.95	89.46	51.35	-1,011.21	862.09	785.83	76.25	11.306		
8,200.00	6,857.57	6,850.52	6,809.10	51.40	29.95	89.40	51.34	-1,011.21	831.14	751.73	79.41	10.466		
8,300.00	6,856.15	6,849.60	6,808.18	53.65	29.94	89.33	51.32	-1,011.21	811.42	728.96	82.46	9.840		
8,400.00	6,854.72	6,848.69	6,807.27	55.96	29.94	89.27	51.31	-1,011.20	803.74	718.58	85.16	9.437		
8,412.00	6,854.55	6,848.58	6,807.17	56.24	29.94	89.26	51.31	-1,011.20	803.65	718.19	85.46	9.404 CC, ES		
8,500.00	6,853.30	6,847.80	6,806.38	58.31	29.94	89.20	51.30	-1,011.20	808.45	721.11	87.34	9.256 SF		
8,600.00	6,851.88	6,846.91	6,805.49	60.70	29.93	89.14	51.29	-1,011.19	825.35	736.47	88.88	9.286		
8,700.00	6,850.45	6,846.03	6,804.61	63.14	29.93	89.08	51.28	-1,011.19	853.69	763.92	89.77	9.510		
8,800.00	6,849.03	6,845.16	6,803.74	65.60	29.92	89.02	51.27	-1,011.18	892.41	802.32	90.09	9.906		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,844.30	6,802.89	68.10	29.92	88.95	51.26	-1,011.18	940.20	850.25	89.95	10.453		
9,000.00	6,846.18	6,843.45	6,802.04	70.62	29.92	88.89	51.25	-1,011.17	995.78	906.30	89.48	11.128		
9,100.00	6,844.75	6,842.61	6,801.19	73.17	29.91	88.83	51.24	-1,011.17	1,057.90	969.11	88.80	11.914		
9,200.00	6,843.33	6,841.78	6,800.36	75.73	29.91	88.77	51.23	-1,011.16	1,125.50	1,037.51	87.99	12.792		
9,300.00	6,841.91	6,840.96	6,799.54	78.32	29.91	88.72	51.22	-1,011.16	1,197.64	1,110.52	87.12	13.747		
9,400.00	6,840.48	6,840.14	6,798.72	80.92	29.90	88.66	51.21	-1,011.15	1,273.55	1,187.31	86.24	14.768		
9,500.00	6,839.06	6,839.34	6,797.92	83.54	29.90	88.60	51.20	-1,011.15	1,352.59	1,267.22	85.37	15.843		
9,600.00	6,837.63	6,838.54	6,797.12	86.18	29.90	88.54	51.19	-1,011.15	1,434.26	1,349.71	84.54	16.965		
9,700.00	6,836.21	6,837.75	6,796.33	88.82	29.89	88.49	51.18	-1,011.14	1,518.11	1,434.36	83.76	18.125		
9,800.00	6,834.78	6,836.97	6,795.55	91.48	29.89	88.43	51.17	-1,011.14	1,603.82	1,520.81	83.02	19.319		
9,900.00	6,833.36	6,836.19	6,794.77	94.15	29.89	88.38	51.16	-1,011.13	1,691.10	1,608.77	82.33	20.541		
10,000.00	6,831.94	6,835.43	6,794.01	96.83	29.88	88.32	51.15	-1,011.13	1,779.72	1,698.03	81.69	21.787		
10,100.00	6,830.51	6,834.67	6,793.25	99.52	29.88	88.27	51.14	-1,011.12	1,869.49	1,788.39	81.09	23.053		
10,200.00	6,829.09	6,833.92	6,792.50	102.22	29.88	88.21	51.13	-1,011.12	1,960.24	1,879.70	80.54	24.337		
10,300.00	6,827.66	6,833.17	6,791.75	104.92	29.87	88.16	51.12	-1,011.11	2,051.86	1,971.82	80.04	25.637		
10,400.00	6,826.24	6,832.44	6,791.02	107.63	29.87	88.11	51.11	-1,011.11	2,144.22	2,064.66	79.57	26.949		
10,500.00	6,824.81	6,831.71	6,790.29	110.35	29.87	88.06	51.10	-1,011.10	2,237.25	2,158.11	79.13	28.272		
10,600.00	6,823.39	6,830.98	6,789.57	113.08	29.87	88.00	51.10	-1,011.10	2,330.85	2,252.12	78.73	29.606		
10,700.00	6,821.96	6,830.27	6,788.85	115.81	29.86	87.95	51.09	-1,011.10	2,424.96	2,346.60	78.36	30.948		
10,800.00	6,820.54	6,829.56	6,788.14	118.54	29.86	87.90	51.08	-1,011.09	2,519.52	2,441.51	78.01	32.297		
10,900.00	6,819.12	6,828.86	6,787.44	121.29	29.86	87.85	51.07	-1,011.09	2,614.49	2,536.80	77.69	33.652		
11,000.00	6,817.69	6,828.16	6,786.75	124.03	29.85	87.80	51.06	-1,011.08	2,709.82	2,632.42	77.39	35.013		
11,100.00	6,816.27	6,827.48	6,786.06	126.78	29.85	87.75	51.06	-1,011.08	2,805.47	2,728.35	77.12	36.379		
11,200.00	6,814.84	6,826.80	6,785.38	129.54	29.85	87.71	51.05	-1,011.07	2,901.42	2,824.56	76.86	37.748		
11,300.00	6,813.42	6,826.12	6,784.70	132.29	29.85	87.66	51.04	-1,011.07	2,997.63	2,921.01	76.62	39.121		
11,400.00	6,811.99	6,825.45	6,784.03	135.05	29.84	87.61	51.03	-1,011.07	3,094.08	3,017.68	76.40	40.497		
11,500.00	6,810.57	6,824.79	6,783.37	137.82	29.84	87.56	51.03	-1,011.06	3,190.75	3,114.56	76.20	41.875		
11,534.42	6,810.08	6,824.56	6,783.14	138.77	29.84	87.55	51.02	-1,011.06	3,224.08	3,147.95	76.13	42.350		
11,600.00	6,809.15	6,824.14	6,782.72	140.59	29.84	87.74	51.02	-1,011.06	3,287.43	3,211.44	76.00	43.257		
11,645.35	6,808.50	6,823.86	6,782.44	141.85	29.84	87.86	51.02	-1,011.06	3,331.08	3,255.17	75.90	43.885		
11,700.00	6,807.72	6,823.52	6,782.10	143.37	29.84	87.84	51.01	-1,011.05	3,383.60	3,307.81	75.79	44.643		
11,800.00	6,806.30	6,822.91	6,781.50	146.16	29.83	87.80	51.00	-1,011.05	3,479.89	3,404.29	75.60	46.031		
11,900.00	6,804.88	6,822.31	6,780.89	148.94	29.83	87.76	51.00	-1,011.05	3,576.38	3,500.96	75.42	47.420		
12,000.00	6,803.45	6,821.71	6,780.29	151.74	29.83	87.73	50.99	-1,011.04	3,673.05	3,597.80	75.25	48.811		
12,100.00	6,802.03	6,821.12	6,779.70	154.53	29.83	87.69	50.99	-1,011.04	3,769.91	3,694.81	75.09	50.203		
12,200.00	6,800.61	6,820.53	6,779.11	157.32	29.82	87.65	50.98	-1,011.03	3,866.92	3,791.97	74.95	51.596		
12,300.00	6,799.18	6,819.95	6,778.53	160.12	29.82	87.62	50.97	-1,011.03	3,964.08	3,889.27	74.81	52.989		
12,400.00	6,797.76	6,819.37	6,777.95	162.92	29.82	87.58	50.97	-1,011.03	4,061.37	3,986.69	74.68	54.383		
12,500.00	6,796.34	6,818.80	6,777.38	165.72	29.82	87.55	50.96	-1,011.02	4,158.80	4,084.24	74.56	55.777		
12,600.00	6,794.92	6,818.23	6,776.81	168.53	29.81	87.51	50.95	-1,011.02	4,256.35	4,181.90	74.45	57.170		
12,700.00	6,793.49	6,817.66	6,776.25	171.33	29.81	87.48	50.95	-1,011.01	4,354.00	4,279.66	74.35	58.563		
12,800.00	6,792.07	6,817.11	6,775.69	174.14	29.81	87.44	50.94	-1,011.01	4,451.76	4,377.51	74.25	59.956		
12,900.00	6,790.65	6,816.55	6,775.13	176.95	29.81	87.41	50.94	-1,011.01	4,549.62	4,475.46	74.16	61.348		
13,000.00	6,789.22	6,816.00	6,774.59	179.76	29.80	87.37	50.93	-1,011.00	4,647.57	4,573.49	74.08	62.739		
13,100.00	6,787.80	6,815.46	6,774.04	182.57	29.80	87.34	50.92	-1,011.00	4,745.60	4,671.60	74.00	64.129		
13,200.00	6,786.38	6,814.92	6,773.50	185.38	29.80	87.31	50.92	-1,010.99	4,843.72	4,769.79	73.93	65.517		
13,300.00	6,784.95	6,814.38	6,772.97	188.20	29.80	87.27	50.91	-1,010.99	4,941.91	4,868.04	73.87	66.904		
13,400.00	6,783.53	6,813.85	6,772.43	191.01	29.80	87.24	50.91	-1,010.99	5,040.17	4,966.36	73.81	68.290		
13,500.00	6,782.11	6,813.32	6,771.91	193.83	29.79	87.21	50.90	-1,010.98	5,138.50	5,064.75	73.75	69.674		
13,600.00	6,780.68	6,812.80	6,771.38	196.65	29.79	87.18	50.90	-1,010.98	5,236.89	5,163.19	73.70	71.057		
13,700.00	6,779.26	6,812.28	6,770.87	199.47	29.79	87.14	50.89	-1,010.98	5,335.34	5,261.68	73.65	72.438		
13,800.00	6,777.84	6,811.77	6,770.35	202.29	29.79	87.11	50.89	-1,010.97	5,433.85	5,360.23	73.61	73.816		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,776.42	6,811.26	6,769.84	205.11	29.78	87.08	50.88	-1,010.97	5,532.41	5,458.83	73.58	75.193		
14,000.00	6,774.99	6,810.75	6,769.34	207.93	29.78	87.05	50.87	-1,010.97	5,631.02	5,557.48	73.54	76.568		
14,100.00	6,773.57	6,810.25	6,768.83	210.76	29.78	87.02	50.87	-1,010.96	5,729.68	5,656.17	73.51	77.940		
14,200.00	6,772.15	6,809.75	6,768.34	213.58	29.78	86.99	50.86	-1,010.96	5,828.38	5,754.90	73.49	79.310		
14,300.00	6,770.72	6,809.26	6,767.84	216.40	29.78	86.96	50.86	-1,010.95	5,927.13	5,853.67	73.47	80.678		
14,400.00	6,769.30	6,808.77	6,767.35	219.23	29.77	86.93	50.85	-1,010.95	6,025.92	5,952.48	73.45	82.044		
14,500.00	6,767.88	6,808.28	6,766.87	222.06	29.77	86.90	50.85	-1,010.95	6,124.75	6,051.32	73.43	83.407		
14,600.00	6,766.45	6,807.80	6,766.38	224.89	29.77	86.87	50.84	-1,010.94	6,223.62	6,150.20	73.42	84.767		
14,700.00	6,765.03	6,807.32	6,765.91	227.71	29.77	86.84	50.84	-1,010.94	6,322.52	6,249.11	73.41	86.124		
14,800.00	6,763.61	6,806.85	6,765.43	230.54	29.77	86.81	50.84	-1,010.94	6,421.46	6,348.05	73.41	87.479		
14,900.00	6,762.19	6,806.38	6,764.96	233.37	29.76	86.78	50.83	-1,010.93	6,520.43	6,447.02	73.40	88.832		
15,000.00	6,760.76	6,805.91	6,764.49	236.20	29.76	86.75	50.83	-1,010.93	6,619.43	6,546.02	73.40	90.181		
15,100.00	6,759.34	6,805.44	6,764.03	239.03	29.76	86.72	50.82	-1,010.93	6,718.45	6,645.05	73.40	91.528		
15,200.00	6,757.92	6,804.98	6,763.57	241.86	29.76	86.69	50.82	-1,010.92	6,817.51	6,744.10	73.41	92.871		
15,300.00	6,756.49	6,804.53	6,763.11	244.70	29.76	86.67	50.81	-1,010.92	6,916.60	6,843.18	73.42	94.212		
15,334.64	6,756.00	6,804.37	6,762.95	245.68	29.76	86.66	50.81	-1,010.92	6,950.92	6,877.50	73.42	94.675		
15,335.52	6,755.99	6,804.37	6,762.95	245.70	29.76	86.66	50.81	-1,010.92	6,951.80	6,878.38	73.42	94.687		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-71.87	302.03	-922.52	971.41					
100.00	100.00	57.68	57.68	3.28	3.29	-71.87	302.04	-922.64	970.83	964.26	6.57	147.716		
200.00	200.00	146.34	146.33	3.34	3.34	-71.88	302.20	-923.64	971.97	965.29	6.68	145.594		
300.00	300.00	272.17	272.16	3.44	3.47	-71.92	301.89	-924.64	972.72	965.80	6.92	140.566		
400.00	399.98	449.86	449.61	3.60	3.79	157.96	297.54	-917.74	970.26	962.81	7.44	130.359		
500.00	499.84	605.28	603.87	3.79	4.20	157.97	288.38	-901.43	963.27	955.19	8.08	119.150		
600.00	599.45	767.83	763.59	4.03	4.77	158.00	273.50	-875.34	953.03	944.15	8.89	107.241		
700.00	698.70	867.61	860.95	4.30	5.21	158.08	262.68	-856.37	942.77	933.31	9.46	99.688		
785.00	782.69	968.22	959.09	4.56	5.69	158.22	251.86	-837.03	936.48	926.41	10.07	92.964		
800.00	797.47	988.29	978.60	4.60	5.79	158.25	249.63	-832.89	935.35	925.15	10.20	91.734		
900.00	896.04	1,105.34	1,091.92	4.94	6.42	158.44	236.55	-806.67	925.95	914.98	10.97	84.433		
1,000.00	994.61	1,211.02	1,194.22	5.30	7.04	158.70	225.90	-782.40	916.49	904.78	11.72	78.219		
1,100.00	1,093.18	1,316.29	1,295.67	5.69	7.68	158.90	213.93	-757.00	905.44	892.94	12.50	72.441		
1,200.00	1,191.75	1,426.89	1,402.07	6.08	8.40	159.01	199.51	-730.44	893.98	880.64	13.33	67.040		
1,300.00	1,290.32	1,507.68	1,479.78	6.49	8.93	159.00	187.81	-711.76	882.87	868.80	14.07	62.755		
1,400.00	1,388.89	1,608.67	1,576.96	6.91	9.60	158.79	170.73	-690.24	872.70	857.79	14.92	58.495		
1,500.00	1,487.46	1,707.73	1,671.72	7.34	10.28	158.28	149.61	-670.62	862.47	846.67	15.80	54.571		
1,600.00	1,586.03	1,808.25	1,767.20	7.77	10.99	157.47	124.40	-651.87	852.14	835.40	16.74	50.897		
1,700.00	1,684.61	1,915.08	1,867.98	8.22	11.77	156.37	94.47	-632.90	841.90	824.13	17.77	47.390		
1,800.00	1,783.18	2,036.27	1,980.49	8.66	12.72	154.77	55.63	-610.21	829.67	810.73	18.94	43.808		
1,900.00	1,881.75	2,143.93	2,078.65	9.11	13.64	153.00	16.70	-589.26	815.95	795.80	20.15	40.502		
2,000.00	1,980.32	2,246.09	2,171.36	9.57	14.56	151.24	-20.77	-568.30	801.73	780.34	21.39	37.477		
2,100.00	2,078.89	2,341.36	2,258.15	10.02	15.42	149.61	-54.78	-548.68	788.40	765.76	22.64	34.823		
2,200.00	2,177.46	2,436.95	2,345.49	10.49	16.29	148.03	-87.68	-528.00	775.02	751.10	23.92	32.400		
2,300.00	2,276.03	2,520.73	2,422.30	10.95	17.05	146.57	-116.72	-511.37	763.97	738.81	25.16	30.360		
2,400.00	2,374.60	2,627.12	2,519.90	11.41	18.03	144.68	-153.57	-490.53	753.95	727.35	26.61	28.337		
2,500.00	2,473.17	2,738.12	2,619.34	11.88	19.12	142.26	-196.91	-467.14	742.62	714.39	28.23	26.310		
2,600.00	2,571.74	2,833.14	2,702.44	12.35	20.12	139.78	-238.21	-446.70	731.59	701.71	29.87	24.491		
2,700.00	2,670.31	2,917.46	2,776.85	12.82	21.00	137.62	-273.71	-429.04	722.68	691.25	31.43	22.993		
2,800.00	2,768.88	3,007.96	2,857.95	13.29	21.91	135.46	-309.54	-410.91	716.08	683.06	33.02	21.685		
2,900.00	2,867.45	3,094.21	2,934.95	13.76	22.79	133.30	-344.68	-394.35	711.59	676.99	34.60	20.565		
3,000.00	2,966.02	3,192.27	3,022.74	14.24	23.78	130.84	-384.39	-376.10	709.03	672.72	36.31	19.525		
3,100.00	3,064.59	3,289.89	3,111.66	14.71	24.72	128.68	-420.33	-357.98	707.33	669.39	37.94	18.642		
3,200.00	3,163.16	3,395.79	3,208.62	15.19	25.73	126.47	-457.45	-337.13	705.23	665.61	39.63	17.796		
3,251.25	3,213.67	3,436.36	3,245.84	15.43	26.12	125.62	-471.61	-329.37	704.80	664.45	40.34	17.470		
3,300.00	3,261.73	3,480.58	3,286.56	15.66	26.53	124.73	-486.91	-321.43	705.12	664.05	41.07	17.167		
3,400.00	3,360.30	3,585.78	3,383.89	16.14	27.50	122.71	-521.76	-302.00	705.56	662.86	42.70	16.523		
3,500.00	3,458.87	3,676.55	3,467.49	16.62	28.35	120.90	-552.72	-284.91	706.76	662.58	44.19	15.995		
3,600.00	3,557.44	3,764.77	3,548.10	17.10	29.19	119.00	-584.81	-268.93	710.20	664.55	45.65	15.558		
3,700.00	3,656.01	3,862.77	3,638.57	17.58	30.10	117.10	-618.61	-252.29	714.96	667.78	47.18	15.154		
3,800.00	3,754.58	3,956.59	3,725.08	18.06	30.98	115.28	-651.07	-236.10	720.34	671.70	48.64	14.808		
3,900.00	3,853.15	4,047.45	3,807.35	18.54	31.88	113.26	-686.01	-219.80	727.57	677.47	50.10	14.521		
4,000.00	3,951.72	4,139.90	3,890.33	19.02	32.83	111.11	-723.07	-202.78	736.23	684.65	51.59	14.272		
4,100.00	4,050.29	4,259.61	3,997.49	19.50	34.08	108.36	-771.11	-179.60	745.46	692.00	53.47	13.943		
4,200.00	4,148.86	4,346.59	4,075.56	19.98	34.98	106.42	-804.95	-161.59	753.98	699.17	54.81	13.756		
4,300.00	4,247.43	4,450.28	4,168.57	20.46	36.07	104.16	-845.50	-140.20	763.77	707.40	56.37	13.549		
4,400.00	4,346.00	4,533.46	4,242.64	20.94	36.97	102.31	-878.97	-122.56	774.85	717.26	57.59	13.454		
4,500.00	4,444.58	4,629.76	4,328.50	21.43	38.00	100.24	-917.85	-102.80	787.62	728.65	58.97	13.357		
4,600.00	4,543.15	4,719.41	4,407.86	21.91	38.98	98.29	-955.01	-83.94	801.79	741.58	60.20	13.318		
4,700.00	4,641.72	4,838.12	4,513.02	22.39	40.28	95.78	-1,003.44	-57.69	815.87	753.99	61.88	13.184		
4,800.00	4,740.29	4,945.31	4,609.73	22.87	41.40	93.83	-1,043.16	-34.11	828.33	765.03	63.30	13.085		
4,900.00	4,838.86	5,031.69	4,688.09	23.36	42.28	92.36	-1,074.59	-15.83	841.66	777.30	64.36	13.078		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	4,937.43	5,113.79	4,762.65	23.84	43.12	91.05	-1,105.00	0.18	857.18	791.87	65.31	13.124		
5,100.00	5,036.00	5,210.65	4,849.87	24.32	44.11	89.46	-1,142.54	19.28	874.52	808.06	66.46	13.158		
5,200.00	5,134.57	5,327.61	4,956.84	24.81	45.27	87.84	-1,184.48	41.09	890.81	822.90	67.91	13.117		
5,300.00	5,233.14	5,483.33	5,103.73	25.29	46.56	86.44	-1,229.15	66.45	903.07	833.39	69.68	12.959		
5,400.00	5,331.71	5,592.41	5,209.32	25.78	47.31	85.99	-1,252.45	80.64	911.47	840.65	70.82	12.870		
5,500.00	5,430.28	5,708.78	5,322.88	26.26	48.03	85.74	-1,274.35	93.59	918.98	846.99	71.98	12.766		
5,600.00	5,528.85	5,803.15	5,415.53	26.75	48.56	85.73	-1,290.15	102.00	926.06	853.10	72.96	12.693		
5,700.00	5,627.42	5,920.80	5,531.70	27.23	49.14	85.95	-1,306.99	109.76	932.62	858.56	74.06	12.593		
5,800.00	5,725.99	6,038.05	5,648.26	27.72	49.63	86.47	-1,318.40	115.28	936.52	861.40	75.12	12.467		
5,900.00	5,824.56	6,155.38	5,765.18	28.20	50.07	87.15	-1,326.90	119.87	939.04	862.90	76.14	12.333		
6,000.00	5,923.13	6,265.99	5,875.69	28.69	50.40	88.02	-1,331.13	122.16	940.11	863.01	77.09	12.194		
6,100.00	6,021.70	6,372.26	5,981.93	29.17	50.67	89.00	-1,332.71	123.07	940.29	862.26	78.02	12.051		
6,200.00	6,120.27	6,474.73	6,084.40	29.66	50.89	90.08	-1,332.51	122.71	940.23	861.30	78.92	11.913		
6,238.51	6,158.23	6,513.93	6,123.59	29.84	50.97	90.53	-1,331.97	122.19	940.19	860.93	79.26	11.862		
6,250.00	6,169.57	6,525.62	6,135.29	29.90	50.99	86.24	-1,331.77	122.00	940.11	860.75	79.36	11.846		
6,300.00	6,219.12	6,576.70	6,186.34	30.13	51.08	57.64	-1,330.69	121.05	938.09	858.34	79.76	11.762		
6,350.00	6,268.78	6,626.92	6,236.53	30.33	51.16	19.95	-1,329.33	119.88	933.37	853.27	80.10	11.653		
6,400.00	6,318.25	6,676.85	6,286.41	30.52	51.24	-5.16	-1,327.73	118.48	925.96	845.57	80.40	11.518		
6,450.00	6,367.22	6,720.64	6,330.16	30.69	51.31	-18.54	-1,326.32	117.06	916.06	835.41	80.65	11.359		
6,500.00	6,415.39	6,764.36	6,373.83	30.86	51.38	-26.56	-1,325.06	115.47	903.83	822.96	80.86	11.177		
6,550.00	6,462.47	6,807.11	6,416.56	31.02	51.46	-32.27	-1,324.32	114.14	889.37	808.32	81.05	10.973		
6,600.00	6,508.16	6,848.53	6,457.97	31.18	51.54	-36.98	-1,324.35	113.38	872.85	791.66	81.19	10.750		
6,650.00	6,552.18	6,895.41	6,504.84	31.34	51.65	-41.42	-1,324.72	112.80	854.31	773.01	81.30	10.508		
6,700.00	6,594.26	6,941.25	6,550.67	31.51	51.74	-45.81	-1,324.70	112.04	833.76	752.40	81.36	10.247		
6,750.00	6,634.14	6,976.47	6,585.88	31.68	51.82	-50.01	-1,324.68	111.40	811.72	730.35	81.37	9.976		
6,800.00	6,671.58	7,009.31	6,618.72	31.86	51.89	-54.30	-1,324.95	110.83	788.75	707.45	81.31	9.701		
6,850.00	6,706.34	7,040.76	6,650.16	32.06	51.97	-58.74	-1,325.48	110.33	765.25	684.08	81.18	9.427		
6,900.00	6,738.21	7,070.96	6,680.35	32.27	52.05	-63.32	-1,326.25	110.05	741.59	660.62	80.97	9.159		
6,950.00	6,766.99	7,097.77	6,707.15	32.52	52.13	-67.83	-1,327.16	110.02	718.27	637.61	80.66	8.905		
7,000.00	6,792.51	7,121.07	6,730.43	32.80	52.20	-72.12	-1,328.12	110.16	695.88	615.64	80.24	8.673		
7,050.00	6,814.61	7,145.07	6,754.40	33.12	52.26	-76.38	-1,329.10	110.29	674.96	595.27	79.69	8.470		
7,100.00	6,833.15	7,165.83	6,775.16	33.48	52.32	-80.19	-1,329.82	110.25	656.08	577.05	79.02	8.302		
7,150.00	6,848.02	7,183.11	6,792.43	33.89	52.37	-83.43	-1,330.33	110.11	639.84	561.61	78.23	8.179		
7,200.00	6,859.13	7,196.64	6,805.95	34.35	52.41	-85.99	-1,330.68	109.93	626.85	549.53	77.32	8.107		
7,250.00	6,866.40	7,206.16	6,815.46	34.86	52.44	-87.79	-1,330.89	109.77	617.63	541.31	76.32	8.093 SF		
7,300.00	6,869.79	7,211.39	6,820.69	35.40	52.45	-88.77	-1,330.99	109.66	612.57	537.30	75.27	8.138		
7,327.68	6,870.00	7,212.34	6,821.64	35.71	52.45	-88.94	-1,331.01	109.64	611.66	536.97	74.70	8.189 ES		
7,332.77	6,869.92	7,212.38	6,821.68	35.78	52.45	-88.95	-1,331.01	109.64	611.64	537.05	74.59	8.200 CC		
7,400.00	6,868.97	7,212.96	6,822.26	36.61	52.45	-89.00	-1,331.02	109.63	615.33	542.02	73.30	8.394		
7,500.00	6,867.54	7,213.89	6,823.19	38.01	52.46	-89.09	-1,331.04	109.61	634.09	562.20	71.89	8.821		
7,600.00	6,866.12	7,214.90	6,824.20	39.58	52.46	-89.18	-1,331.06	109.59	667.47	596.22	71.25	9.368		
7,700.00	6,864.69	7,215.99	6,825.30	41.29	52.46	-89.29	-1,331.08	109.57	713.41	642.06	71.35	9.999		
7,800.00	6,863.27	7,217.20	6,826.50	43.12	52.47	-89.40	-1,331.10	109.54	769.67	697.71	71.97	10.695		
7,900.00	6,861.85	7,218.52	6,827.82	45.06	52.47	-89.52	-1,331.12	109.51	834.17	761.32	72.85	11.451		
8,000.00	6,860.42	7,219.98	6,829.28	47.10	52.47	-89.66	-1,331.15	109.48	905.13	831.33	73.80	12.264		
8,100.00	6,859.00	7,221.60	6,830.89	49.21	52.48	-89.81	-1,331.17	109.44	981.17	906.44	74.74	13.128		
8,200.00	6,857.57	7,223.40	6,832.70	51.40	52.48	-89.98	-1,331.20	109.40	1,061.19	985.59	75.60	14.037		
8,300.00	6,856.15	7,225.44	6,834.73	53.65	52.49	-90.17	-1,331.23	109.35	1,144.36	1,067.99	76.37	14.985		
8,400.00	6,854.72	8,400.00	6,804.65	55.96	55.83	-87.35	-1,330.50	109.78	1,230.02	1,148.54	81.48	15.096		
8,500.00	6,853.30	8,500.00	6,803.84	58.31	56.12	-87.27	-1,330.48	109.79	1,317.72	1,235.34	82.38	15.995		
8,600.00	6,851.88	8,600.00	6,803.03	60.70	56.40	-87.20	-1,330.45	109.79	1,407.06	1,323.85	83.21	16.910		
8,700.00	6,850.45	8,700.00	6,802.21	63.14	56.69	-87.12	-1,330.43	109.79	1,497.74	1,413.77	83.97	17.836		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,849.03	8,800.00	6,801.40	65.60	56.98	-87.05	-1,330.40	109.80	1,589.55	1,504.87	84.68	18.771		
8,900.00	6,847.60	8,900.00	6,800.58	68.10	57.26	-86.97	-1,330.37	109.80	1,682.29	1,596.94	85.34	19.712		
9,000.00	6,846.18	9,000.00	6,799.77	70.62	57.55	-86.89	-1,330.35	109.81	1,775.81	1,689.84	85.97	20.656		
9,100.00	6,844.75	9,100.00	6,798.95	73.17	57.84	-86.82	-1,330.32	109.81	1,870.01	1,783.44	86.56	21.603		
9,200.00	6,843.33	9,200.00	6,798.14	75.73	58.13	-86.74	-1,330.29	109.81	1,964.78	1,877.65	87.13	22.551		
9,300.00	6,841.91	9,300.00	6,797.33	78.32	58.42	-86.66	-1,330.27	109.82	2,060.04	1,972.37	87.67	23.498		
9,400.00	6,840.48	9,400.00	6,796.51	80.92	58.71	-86.59	-1,330.24	109.82	2,155.73	2,067.54	88.19	24.445		
9,500.00	6,839.06	9,500.00	6,795.70	83.54	59.00	-86.51	-1,330.22	109.83	2,251.80	2,163.11	88.69	25.389		
9,600.00	6,837.63	7,241.17	6,850.46	86.18	52.52	-91.64	-1,331.48	108.99	2,348.20	2,267.03	81.17	28.930		
9,700.00	6,836.21	7,243.48	6,852.77	88.82	52.52	-91.86	-1,331.52	108.94	2,444.88	2,363.54	81.34	30.058		
9,800.00	6,834.78	7,245.96	6,855.25	91.48	52.53	-92.09	-1,331.55	108.87	2,541.81	2,460.31	81.50	31.188		
9,900.00	6,833.36	7,248.62	6,857.90	94.15	52.53	-92.34	-1,331.58	108.80	2,638.98	2,557.33	81.65	32.321		
10,000.00	6,831.94	7,251.48	6,860.76	96.83	52.54	-92.60	-1,331.61	108.73	2,736.34	2,654.55	81.79	33.456		
10,100.00	6,830.51	7,254.57	6,863.85	99.52	52.55	-92.89	-1,331.65	108.64	2,833.89	2,751.97	81.92	34.593		
10,200.00	6,829.09	7,257.91	6,867.19	102.22	52.55	-93.21	-1,331.69	108.55	2,931.60	2,849.56	82.05	35.731		
10,300.00	6,827.66	7,261.54	6,870.82	104.92	52.56	-93.54	-1,331.72	108.45	3,029.46	2,947.30	82.16	36.871		
10,400.00	6,826.24	10,400.00	6,946.37	107.63	58.55	-100.51	-1,331.37	105.39	3,127.27	3,037.78	89.49	34.944		
10,500.00	6,824.81	10,500.00	6,949.75	110.35	58.75	-100.82	-1,331.32	105.23	3,225.33	3,135.51	89.82	35.909		
10,600.00	6,823.39	10,600.00	6,953.13	113.08	58.94	-101.12	-1,331.27	105.07	3,323.51	3,233.37	90.14	36.870		
10,700.00	6,821.96	10,700.00	6,956.50	115.81	59.14	-101.43	-1,331.22	104.90	3,421.78	3,331.32	90.46	37.827		
10,800.00	6,820.54	10,800.00	6,959.88	118.54	59.34	-101.73	-1,331.17	104.74	3,520.15	3,429.38	90.77	38.780		
10,900.00	6,819.12	10,900.00	6,963.26	121.29	59.53	-102.04	-1,331.12	104.57	3,618.61	3,527.52	91.08	39.728		
11,000.00	6,817.69	11,000.00	6,966.63	124.03	59.73	-102.34	-1,331.08	104.41	3,717.14	3,625.75	91.39	40.673		
11,100.00	6,816.27	11,100.00	6,970.01	126.78	59.93	-102.64	-1,331.03	104.25	3,815.75	3,724.05	91.70	41.612		
11,200.00	6,814.84	11,200.00	6,973.38	129.54	60.13	-102.95	-1,330.98	104.08	3,914.42	3,822.42	92.00	42.547		
11,300.00	6,813.42	11,300.00	6,976.76	132.29	60.32	-103.25	-1,330.93	103.92	4,013.16	3,920.86	92.30	43.478		
11,400.00	6,811.99	11,400.00	6,980.14	135.05	60.52	-103.55	-1,330.88	103.75	4,111.96	4,019.35	92.60	44.403		
11,500.00	6,810.57	11,500.00	6,983.51	137.82	60.72	-103.85	-1,330.83	103.59	4,210.81	4,117.90	92.90	45.324		
11,534.42	6,810.08	11,534.42	6,984.68	138.77	60.79	-103.95	-1,330.81	103.53	4,244.85	4,151.84	93.01	45.640		
11,600.00	6,809.15	11,600.00	6,986.90	140.59	60.92	-106.66	-1,330.78	103.43	4,309.81	4,216.61	93.20	46.242		
11,645.35	6,808.50	11,645.35	6,988.45	141.85	61.01	-109.20	-1,330.76	103.35	4,354.86	4,261.52	93.33	46.659		
11,700.00	6,807.72	11,700.00	6,990.33	143.37	61.12	-109.42	-1,330.73	103.26	4,409.18	4,315.69	93.49	47.161		
11,800.00	6,806.30	11,800.00	6,993.77	146.16	61.32	-109.81	-1,330.68	103.09	4,508.62	4,414.84	93.78	48.076		
11,900.00	6,804.88	11,900.00	6,997.20	148.94	61.52	-110.20	-1,330.63	102.93	4,608.07	4,514.00	94.07	48.986		
12,000.00	6,803.45	12,000.00	7,000.64	151.74	61.72	-110.59	-1,330.58	102.76	4,707.55	4,613.19	94.36	49.890		
12,100.00	6,802.03	12,100.00	7,004.08	154.53	61.92	-110.98	-1,330.53	102.59	4,807.05	4,712.40	94.65	50.789		
12,200.00	6,800.61	7,387.00	6,996.14	157.32	52.81	-110.08	-1,330.64	102.98	4,906.57	4,822.78	83.79	58.555		
12,300.00	6,799.18	7,387.00	6,996.14	160.12	52.81	-110.08	-1,330.64	102.98	5,006.11	4,922.24	83.87	59.688		
12,400.00	6,797.76	7,387.00	6,996.14	162.92	52.81	-110.08	-1,330.64	102.98	5,105.67	5,021.72	83.95	60.820		
12,500.00	6,796.34	7,387.00	6,996.14	165.72	52.81	-110.08	-1,330.64	102.98	5,205.25	5,121.22	84.02	61.951		
12,600.00	6,794.92	7,387.00	6,996.14	168.53	52.81	-110.08	-1,330.64	102.98	5,304.84	5,220.74	84.10	63.080		
12,700.00	6,793.49	7,387.00	6,996.14	171.33	52.81	-110.08	-1,330.64	102.98	5,404.44	5,320.27	84.17	64.207		
12,800.00	6,792.07	7,387.00	6,996.14	174.14	52.81	-110.08	-1,330.64	102.98	5,504.06	5,419.82	84.25	65.332		
12,900.00	6,790.65	7,387.00	6,996.14	176.95	52.81	-110.08	-1,330.64	102.98	5,603.70	5,519.38	84.32	66.456		
13,000.00	6,789.22	7,387.00	6,996.14	179.76	52.81	-110.08	-1,330.64	102.98	5,703.34	5,618.95	84.40	67.578		
13,100.00	6,787.80	7,387.00	6,996.14	182.57	52.81	-110.08	-1,330.64	102.98	5,803.00	5,718.53	84.47	68.698		
13,200.00	6,786.38	7,387.00	6,996.14	185.38	52.81	-110.08	-1,330.64	102.98	5,902.67	5,818.13	84.55	69.816		
13,300.00	6,784.95	7,387.00	6,996.14	188.20	52.81	-110.08	-1,330.64	102.98	6,002.35	5,917.73	84.62	70.932		
13,400.00	6,783.53	7,387.00	6,996.14	191.01	52.81	-110.08	-1,330.64	102.98	6,102.05	6,017.35	84.70	72.046		
13,500.00	6,782.11	7,387.00	6,996.14	193.83	52.81	-110.08	-1,330.64	102.98	6,201.75	6,116.98	84.77	73.158		
13,600.00	6,780.68	7,387.00	6,996.14	196.65	52.81	-110.08	-1,330.64	102.98	6,301.46	6,216.61	84.85	74.268		
13,700.00	6,779.26	7,387.00	6,996.14	199.47	52.81	-110.08	-1,330.64	102.98	6,401.18	6,316.26	84.92	75.376		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,777.84	7,387.00	6,996.14	202.29	52.81	-110.08	-1,330.64	102.98	6,500.91	6,415.91	85.00	76.483		
13,900.00	6,776.42	7,387.00	6,996.14	205.11	52.81	-110.08	-1,330.64	102.98	6,600.64	6,515.57	85.07	77.586		
14,000.00	6,774.99	7,387.00	6,996.14	207.93	52.81	-110.08	-1,330.64	102.98	6,700.39	6,615.24	85.15	78.688		
14,100.00	6,773.57	7,387.00	6,996.14	210.76	52.81	-110.08	-1,330.64	102.98	6,800.14	6,714.91	85.23	79.788		
14,200.00	6,772.15	7,387.00	6,996.14	213.58	52.81	-110.08	-1,330.64	102.98	6,899.90	6,814.60	85.30	80.885		
14,300.00	6,770.72	7,387.00	6,996.14	216.40	52.81	-110.08	-1,330.64	102.98	6,999.67	6,914.29	85.38	81.980		
14,400.00	6,769.30	7,387.00	6,996.14	219.23	52.81	-110.08	-1,330.64	102.98	7,099.44	7,013.98	85.46	83.073		
14,500.00	6,767.88	7,387.00	6,996.14	222.06	52.81	-110.08	-1,330.64	102.98	7,199.22	7,113.68	85.54	84.164		
14,600.00	6,766.45	7,387.00	6,996.14	224.89	52.81	-110.08	-1,330.64	102.98	7,299.00	7,213.39	85.62	85.252		
14,700.00	6,765.03	7,421.81	7,030.89	227.71	52.87	-113.97	-1,329.66	101.21	7,398.31	7,312.62	85.69	86.336		
14,800.00	6,763.61	7,422.23	7,031.31	230.54	52.88	-114.01	-1,329.65	101.19	7,498.09	7,412.32	85.77	87.419		
14,900.00	6,762.19	7,422.64	7,031.72	233.37	52.88	-114.06	-1,329.64	101.18	7,597.89	7,512.03	85.85	88.499		
15,000.00	6,760.76	7,423.04	7,032.12	236.20	52.88	-114.10	-1,329.63	101.16	7,697.68	7,611.75	85.93	89.577		
15,100.00	6,759.34	7,423.44	7,032.52	239.03	52.88	-114.14	-1,329.62	101.15	7,797.48	7,711.47	86.01	90.653		
15,200.00	6,757.92	7,423.82	7,032.90	241.86	52.88	-114.19	-1,329.61	101.13	7,897.29	7,811.19	86.10	91.726		
15,300.00	6,756.49	7,424.20	7,033.28	244.70	52.88	-114.23	-1,329.60	101.12	7,997.10	7,910.92	86.18	92.797		
15,334.64	6,756.00	7,424.33	7,033.41	245.68	52.88	-114.24	-1,329.60	101.11	8,031.68	7,945.47	86.21	93.167		
15,335.52	6,755.99	7,424.33	7,033.41	245.70	52.88	-114.24	-1,329.60	101.11	8,032.56	7,946.35	86.21	93.177		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
0.00	0.00	0.00	0.00	3.28	3.28	-70.36	332.62	-932.27	990.52					
100.00	100.00	60.57	60.57	3.28	3.29	-70.36	332.67	-932.31	989.88	983.31	6.57	150.602		
200.00	200.00	155.39	155.38	3.34	3.34	-70.35	333.03	-932.69	990.39	983.71	6.68	148.245		
300.00	300.00	252.23	252.22	3.44	3.45	-70.32	333.75	-933.39	991.32	984.43	6.90	143.741		
400.00	399.98	348.48	348.47	3.60	3.60	159.62	334.66	-934.39	994.25	987.05	7.20	138.023		
500.00	499.84	452.55	452.52	3.79	3.82	159.72	335.67	-935.37	1,000.38	992.77	7.61	131.481		
600.00	599.45	551.79	551.76	4.03	4.06	159.85	336.43	-936.17	1,009.57	1,001.49	8.08	124.888		
700.00	698.70	650.73	650.69	4.30	4.33	160.03	337.30	-937.05	1,022.16	1,013.54	8.62	118.534		
785.00	782.69	736.53	736.48	4.56	4.58	160.17	337.22	-937.94	1,035.26	1,026.13	9.13	113.418		
800.00	797.47	751.20	751.15	4.60	4.62	160.21	337.09	-938.12	1,037.78	1,028.55	9.22	112.542		
900.00	896.04	853.40	853.33	4.94	4.93	160.43	335.67	-939.53	1,054.45	1,044.60	9.85	107.017		
1,000.00	994.61	970.35	970.19	5.30	5.31	160.55	331.48	-940.74	1,070.06	1,059.49	10.57	101.225		
1,100.00	1,093.18	1,069.86	1,069.46	5.69	5.65	160.49	324.68	-941.98	1,084.71	1,073.44	11.27	96.260		
1,200.00	1,191.75	1,159.56	1,158.87	6.08	5.97	160.38	317.84	-943.82	1,099.83	1,087.87	11.96	91.947		
1,300.00	1,290.32	1,250.81	1,249.60	6.49	6.31	160.14	308.67	-947.25	1,115.70	1,103.01	12.69	87.925		
1,400.00	1,388.89	1,349.42	1,347.16	6.91	6.71	159.69	295.47	-952.77	1,132.15	1,118.67	13.48	83.980		
1,500.00	1,487.46	1,493.59	1,489.22	7.34	7.33	158.89	271.79	-959.00	1,146.50	1,131.97	14.52	78.947		
1,600.00	1,586.03	1,593.93	1,587.77	7.77	7.79	158.26	253.12	-961.61	1,158.64	1,143.24	15.39	75.263		
1,700.00	1,684.61	1,713.05	1,703.86	8.22	8.38	157.33	226.78	-965.61	1,170.60	1,154.19	16.41	71.337		
1,800.00	1,783.18	1,868.35	1,853.90	8.66	9.21	155.94	186.78	-966.23	1,178.71	1,161.05	17.67	66.724		
1,900.00	1,881.75	1,979.92	1,960.53	9.11	9.87	154.80	154.02	-964.68	1,184.57	1,165.82	18.75	63.174		
2,000.00	1,980.32	2,083.47	2,058.28	9.57	10.53	153.57	119.88	-963.44	1,190.04	1,170.19	19.85	59.951		
2,100.00	2,078.89	2,167.99	2,136.90	10.02	11.12	152.42	88.89	-963.14	1,195.97	1,175.09	20.89	57.257		
2,200.00	2,177.46	2,240.71	2,203.63	10.49	11.66	151.31	60.04	-964.92	1,204.46	1,182.58	21.88	55.051		
2,300.00	2,276.03	2,337.30	2,291.27	10.95	12.43	149.74	19.60	-968.42	1,214.51	1,191.41	23.10	52.573		
2,400.00	2,374.60	2,427.84	2,373.09	11.41	13.18	148.26	-19.05	-971.42	1,225.09	1,200.79	24.31	50.405		
2,500.00	2,473.17	2,500.34	2,438.59	11.88	13.80	147.08	-49.95	-974.85	1,237.93	1,212.58	25.35	48.824		
2,600.00	2,571.74	2,586.76	2,516.66	12.35	14.54	145.70	-86.69	-979.79	1,252.65	1,226.11	26.54	47.195		
2,700.00	2,670.31	2,672.02	2,593.63	12.82	15.29	144.37	-122.96	-985.12	1,268.76	1,241.04	27.72	45.764		
2,800.00	2,768.88	2,751.38	2,665.02	13.29	16.01	143.13	-157.16	-990.78	1,286.56	1,257.71	28.85	44.597		
2,900.00	2,867.45	2,849.33	2,753.08	13.76	16.90	141.63	-199.42	-998.06	1,305.49	1,275.31	30.18	43.256		
3,000.00	2,966.02	2,948.17	2,842.31	14.24	17.81	140.19	-241.37	-1,004.99	1,324.87	1,293.35	31.52	42.034		
3,100.00	3,064.59	3,049.14	2,933.42	14.71	18.74	138.75	-284.40	-1,011.44	1,344.45	1,311.57	32.88	40.888		
3,200.00	3,163.16	3,156.45	3,030.99	15.19	19.72	137.34	-328.63	-1,017.68	1,364.17	1,329.87	34.30	39.771		
3,300.00	3,261.73	3,262.31	3,127.90	15.66	20.68	136.04	-370.96	-1,022.61	1,383.33	1,347.64	35.69	38.758		
3,400.00	3,360.30	3,356.67	3,214.13	16.14	21.53	134.90	-409.05	-1,026.65	1,402.75	1,365.80	36.95	37.963		
3,500.00	3,458.87	3,461.12	3,310.17	16.62	22.47	133.72	-449.89	-1,030.94	1,422.45	1,384.14	38.31	37.132		
3,600.00	3,557.44	3,545.84	3,387.89	17.10	23.24	132.77	-483.44	-1,034.33	1,442.57	1,403.13	39.45	36.569		
3,700.00	3,656.01	3,650.93	3,484.44	17.58	24.19	131.64	-524.71	-1,038.54	1,463.16	1,422.35	40.81	35.853		
3,800.00	3,754.58	3,729.00	3,556.35	18.06	24.89	130.84	-554.94	-1,041.66	1,484.15	1,442.30	41.85	35.460		
3,900.00	3,853.15	3,800.24	3,621.65	18.54	25.54	130.10	-583.20	-1,045.27	1,506.77	1,463.95	42.82	35.192		
4,000.00	3,951.72	3,896.22	3,708.79	19.02	26.45	129.07	-623.01	-1,051.04	1,530.99	1,486.91	44.08	34.732		
4,100.00	4,050.29	3,992.75	3,796.05	19.50	27.38	128.02	-663.98	-1,056.10	1,555.19	1,509.83	45.36	34.287		
4,200.00	4,148.86	4,100.13	3,892.97	19.98	28.42	126.87	-709.93	-1,061.01	1,579.33	1,532.56	46.77	33.767		
4,300.00	4,247.43	4,199.89	3,983.35	20.46	29.38	125.86	-751.93	-1,065.32	1,603.57	1,555.49	48.08	33.355		
4,400.00	4,346.00	4,308.93	4,082.86	20.94	30.41	124.83	-796.35	-1,069.18	1,627.09	1,577.61	49.48	32.885		
4,500.00	4,444.58	4,405.50	4,170.69	21.43	31.32	123.93	-836.39	-1,072.26	1,650.92	1,600.20	50.72	32.547		
4,600.00	4,543.15	4,494.35	4,251.81	21.91	32.16	123.14	-872.53	-1,075.07	1,674.90	1,623.03	51.87	32.292		
4,700.00	4,641.72	4,579.41	4,329.81	22.39	32.95	122.44	-906.27	-1,078.68	1,699.85	1,646.90	52.95	32.105		
4,800.00	4,740.29	4,666.65	4,410.33	22.87	33.73	121.79	-939.52	-1,083.18	1,725.41	1,671.38	54.03	31.935		
4,900.00	4,838.86	4,776.62	4,512.84	23.36	34.69	121.11	-978.71	-1,089.99	1,751.37	1,696.02	55.36	31.638		
5,000.00	4,937.43	4,904.74	4,633.56	23.84	35.75	120.44	-1,021.10	-1,096.81	1,775.77	1,718.93	56.85	31.237		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,022.63	4,745.46	24.32	36.68	119.90	-1,057.81	-1,102.12	1,798.90	1,740.71	58.19	30.914		
5,200.00	5,134.57	5,139.78	4,857.30	24.81	37.57	119.44	-1,092.39	-1,106.67	1,820.99	1,761.49	59.50	30.605		
5,300.00	5,233.14	5,248.15	4,961.43	25.29	38.36	119.09	-1,122.11	-1,110.74	1,842.30	1,781.60	60.69	30.354		
5,400.00	5,331.71	5,374.50	5,083.77	25.78	39.22	118.80	-1,153.35	-1,115.34	1,862.57	1,800.56	62.01	30.037		
5,500.00	5,430.28	5,494.06	5,200.39	26.26	39.97	118.63	-1,179.34	-1,119.35	1,881.55	1,818.32	63.22	29.760		
5,600.00	5,528.85	5,618.18	5,322.28	26.75	40.70	118.58	-1,202.35	-1,123.45	1,899.35	1,834.93	64.43	29.481		
5,700.00	5,627.42	5,741.81	5,444.35	27.23	41.34	118.63	-1,221.52	-1,127.40	1,916.01	1,850.45	65.56	29.224		
5,800.00	5,725.99	5,883.86	5,585.26	27.72	42.01	118.80	-1,239.11	-1,130.68	1,930.73	1,863.97	66.76	28.918		
5,900.00	5,824.56	6,004.88	5,705.71	28.20	42.53	119.03	-1,250.67	-1,132.25	1,943.48	1,875.68	67.80	28.665		
6,000.00	5,923.13	6,103.69	5,804.12	28.69	42.94	119.23	-1,259.56	-1,133.46	1,956.04	1,887.32	68.72	28.466		
6,100.00	6,021.70	6,192.51	5,892.62	29.17	43.31	119.42	-1,266.90	-1,134.86	1,968.73	1,899.15	69.58	28.296		
6,200.00	6,120.27	6,278.06	5,977.87	29.66	43.65	119.63	-1,273.69	-1,137.01	1,982.18	1,911.77	70.41	28.151		
6,238.51	6,158.23	6,311.85	6,011.55	29.84	43.79	119.71	-1,276.27	-1,138.04	1,987.52	1,916.79	70.74	28.098		
6,250.00	6,169.57	6,324.30	6,023.96	29.90	43.84	115.37	-1,277.20	-1,138.44	1,989.03	1,918.19	70.84	28.077		
6,300.00	6,219.12	6,381.52	6,081.02	30.13	44.06	86.66	-1,281.01	-1,140.29	1,993.20	1,921.89	71.31	27.952		
6,350.00	6,268.78	6,442.52	6,141.90	30.33	44.28	49.07	-1,284.31	-1,142.25	1,993.42	1,921.66	71.76	27.779		
6,400.00	6,318.25	6,505.18	6,204.47	30.52	44.50	24.26	-1,287.12	-1,144.05	1,989.58	1,917.40	72.19	27.562		
6,450.00	6,367.22	6,561.08	6,260.32	30.69	44.68	11.39	-1,289.00	-1,145.60	1,981.81	1,909.27	72.55	27.318		
6,500.00	6,415.39	6,613.12	6,312.32	30.86	44.84	4.08	-1,290.20	-1,147.06	1,970.22	1,897.35	72.87	27.038		
6,550.00	6,462.47	6,661.86	6,361.04	31.02	44.99	-0.66	-1,290.84	-1,148.55	1,954.99	1,881.83	73.16	26.723		
6,600.00	6,508.16	6,709.01	6,408.16	31.18	45.12	-4.12	-1,291.03	-1,150.12	1,936.23	1,862.81	73.42	26.372		
6,650.00	6,552.18	6,754.52	6,453.63	31.34	45.24	-6.92	-1,290.84	-1,151.74	1,914.07	1,840.42	73.66	25.986		
6,700.00	6,594.26	6,799.97	6,499.05	31.51	45.35	-9.41	-1,290.32	-1,153.44	1,888.64	1,814.76	73.88	25.565		
6,750.00	6,634.14	6,843.48	6,542.52	31.68	45.46	-11.82	-1,289.56	-1,155.09	1,860.07	1,785.99	74.08	25.110		
6,800.00	6,671.58	6,893.13	6,592.13	31.86	45.58	-14.36	-1,288.35	-1,156.91	1,828.47	1,754.19	74.27	24.618		
6,850.00	6,706.34	6,940.82	6,639.77	32.06	45.68	-17.17	-1,286.76	-1,158.48	1,793.94	1,719.49	74.45	24.096		
6,900.00	6,738.21	6,983.01	6,681.91	32.27	45.78	-20.44	-1,285.39	-1,159.58	1,756.77	1,682.17	74.60	23.551		
6,950.00	6,766.99	7,020.55	6,719.44	32.52	45.87	-24.40	-1,284.54	-1,160.23	1,717.27	1,642.56	74.71	22.985		
7,000.00	6,792.51	7,051.65	6,750.54	32.80	45.95	-29.24	-1,284.15	-1,160.52	1,675.77	1,600.96	74.81	22.399		
7,050.00	6,814.61	7,077.60	6,776.49	33.12	46.02	-35.26	-1,284.11	-1,160.59	1,632.62	1,557.72	74.89	21.799		
7,100.00	6,833.15	7,098.88	6,797.77	33.48	46.08	-42.77	-1,284.28	-1,160.52	1,588.13	1,513.18	74.95	21.189		
7,150.00	6,848.02	7,115.50	6,814.38	33.89	46.12	-51.97	-1,284.53	-1,160.39	1,542.64	1,467.65	74.99	20.571		
7,200.00	6,859.13	7,127.47	6,826.35	34.35	46.16	-62.77	-1,284.78	-1,160.26	1,496.47	1,421.46	75.01	19.950		
7,250.00	6,866.40	7,133.27	6,832.15	34.86	46.18	-74.40	-1,284.88	-1,160.21	1,449.98	1,374.95	75.03	19.326		
7,300.00	6,869.79	7,136.19	6,835.07	35.40	46.19	-86.11	-1,284.93	-1,160.18	1,403.47	1,328.44	75.03	18.706		
7,327.68	6,870.00	7,136.13	6,835.01	35.71	46.19	-92.19	-1,284.93	-1,160.18	1,377.83	1,302.81	75.03	18.364		
7,400.00	6,868.97	7,134.42	6,833.30	36.61	46.18	-92.00	-1,284.90	-1,160.20	1,311.33	1,236.29	75.04	17.476		
7,500.00	6,867.54	7,132.05	6,830.93	38.01	46.17	-91.74	-1,284.85	-1,160.22	1,220.45	1,145.34	75.11	16.248		
7,600.00	6,866.12	7,129.65	6,828.53	39.58	46.17	-91.48	-1,284.81	-1,160.24	1,131.11	1,055.83	75.29	15.024		
7,700.00	6,864.69	7,127.23	6,826.11	41.29	46.16	-91.22	-1,284.76	-1,160.27	1,043.70	968.11	75.59	13.807		
7,800.00	6,863.27	7,124.80	6,823.68	43.12	46.15	-90.96	-1,284.71	-1,160.29	958.75	882.66	76.09	12.601		
7,900.00	6,861.85	7,122.34	6,821.23	45.06	46.14	-90.69	-1,284.67	-1,160.32	876.97	800.14	76.82	11.415		
8,000.00	6,860.42	7,119.87	6,818.75	47.10	46.14	-90.42	-1,284.62	-1,160.35	799.33	721.45	77.88	10.263		
8,100.00	6,859.00	7,117.56	6,816.44	49.21	46.13	-90.17	-1,284.57	-1,160.37	727.17	647.83	79.34	9.165		
8,200.00	6,857.57	7,115.42	6,814.31	51.40	46.12	-89.94	-1,284.53	-1,160.39	662.28	581.01	81.27	8.149		
8,300.00	6,856.15	7,113.37	6,812.25	53.65	46.12	-89.72	-1,284.49	-1,160.41	607.00	523.28	83.72	7.250		
8,400.00	6,854.72	7,111.40	6,810.28	55.96	46.11	-89.50	-1,284.46	-1,160.43	564.15	477.47	86.68	6.508		
8,500.00	6,853.30	7,109.50	6,808.39	58.31	46.11	-89.30	-1,284.43	-1,160.44	536.73	446.69	90.04	5.961		
8,600.00	6,851.88	7,107.68	6,806.57	60.70	46.10	-89.10	-1,284.40	-1,160.46	527.15	433.66	93.49	5.639		
8,601.00	6,851.86	7,107.66	6,806.55	60.73	46.10	-89.10	-1,284.40	-1,160.46	527.15	433.62	93.52	5.636 CC, ES		
8,700.00	6,850.45	7,105.93	6,804.81	63.14	46.10	-88.91	-1,284.37	-1,160.47	536.36	439.88	96.47	5.560 SF		
8,800.00	6,849.03	7,104.23	6,803.12	65.60	46.09	-88.72	-1,284.35	-1,160.49	563.44	464.97	98.47	5.722		

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 34N-6A-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 34N-6A-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	6,847.60	7,102.60	6,801.49	68.10	46.09	-88.55	-1,284.32	-1,160.50	606.01	506.67	99.34	6.101		
9,000.00	6,846.18	7,101.03	6,799.92	70.62	46.08	-88.38	-1,284.30	-1,160.51	661.08	561.81	99.27	6.659		
9,100.00	6,844.75	7,099.51	6,798.40	73.17	46.08	-88.21	-1,284.28	-1,160.52	725.80	627.20	98.61	7.360		
9,200.00	6,843.33	7,098.05	6,796.93	75.73	46.08	-88.05	-1,284.27	-1,160.52	797.84	700.21	97.64	8.172		
9,300.00	6,841.91	7,096.63	6,795.51	78.32	46.07	-87.90	-1,284.25	-1,160.53	875.39	778.85	96.55	9.067		
9,400.00	6,840.48	7,095.26	6,794.14	80.92	46.07	-87.75	-1,284.24	-1,160.54	957.11	861.66	95.45	10.027		
9,500.00	6,839.06	7,093.93	6,792.82	83.54	46.06	-87.60	-1,284.22	-1,160.55	1,042.02	947.61	94.41	11.037		
9,600.00	6,837.63	7,092.65	6,791.53	86.18	46.06	-87.47	-1,284.21	-1,160.55	1,129.40	1,035.95	93.45	12.085		
9,700.00	6,836.21	7,091.40	6,790.29	88.82	46.06	-87.33	-1,284.20	-1,160.56	1,218.72	1,126.14	92.58	13.164		
9,800.00	6,834.78	7,090.20	6,789.08	91.48	46.05	-87.20	-1,284.19	-1,160.56	1,309.59	1,217.79	91.80	14.266		
9,900.00	6,833.36	7,089.03	6,787.91	94.15	46.05	-87.07	-1,284.18	-1,160.57	1,401.70	1,310.60	91.10	15.387		
10,000.00	6,831.94	7,087.89	6,786.78	96.83	46.05	-86.95	-1,284.17	-1,160.57	1,494.82	1,404.35	90.47	16.524		
10,100.00	6,830.51	7,086.79	6,785.68	99.52	46.04	-86.83	-1,284.16	-1,160.57	1,588.77	1,498.87	89.90	17.672		
10,200.00	6,829.09	7,085.72	6,784.61	102.22	46.04	-86.71	-1,284.15	-1,160.58	1,683.42	1,594.03	89.40	18.831		
10,300.00	6,827.66	7,084.69	6,783.57	104.92	46.04	-86.60	-1,284.15	-1,160.58	1,778.66	1,689.72	88.94	19.998		
10,400.00	6,826.24	7,083.68	6,782.57	107.63	46.04	-86.49	-1,284.14	-1,160.58	1,874.39	1,785.85	88.54	21.171		
10,500.00	6,824.81	7,082.70	6,781.59	110.35	46.03	-86.39	-1,284.13	-1,160.58	1,970.54	1,882.38	88.17	22.350		
10,600.00	6,823.39	7,081.74	6,780.63	113.08	46.03	-86.28	-1,284.13	-1,160.58	2,067.06	1,979.23	87.84	23.533		
10,700.00	6,821.96	7,080.82	6,779.70	115.81	46.03	-86.18	-1,284.12	-1,160.59	2,163.90	2,076.36	87.54	24.720		
10,800.00	6,820.54	7,079.91	6,778.80	118.54	46.03	-86.08	-1,284.12	-1,160.59	2,261.01	2,173.74	87.27	25.909		
10,900.00	6,819.12	7,079.04	6,777.92	121.29	46.02	-85.99	-1,284.12	-1,160.59	2,358.36	2,271.33	87.02	27.101		
11,000.00	6,817.69	7,078.18	6,777.07	124.03	46.02	-85.90	-1,284.11	-1,160.59	2,455.92	2,369.12	86.80	28.295		
11,100.00	6,816.27	7,077.35	6,776.23	126.78	46.02	-85.81	-1,284.11	-1,160.59	2,553.67	2,467.07	86.59	29.490		
11,200.00	6,814.84	7,076.53	6,775.42	129.54	46.02	-85.72	-1,284.11	-1,160.59	2,651.59	2,565.18	86.41	30.686		
11,300.00	6,813.42	7,075.74	6,774.63	132.29	46.01	-85.63	-1,284.10	-1,160.59	2,749.65	2,663.41	86.24	31.883		
11,400.00	6,811.99	7,074.97	6,773.86	135.05	46.01	-85.55	-1,284.10	-1,160.59	2,847.86	2,761.77	86.09	33.080		
11,500.00	6,810.57	7,074.21	6,773.10	137.82	46.01	-85.47	-1,284.10	-1,160.59	2,946.18	2,860.23	85.95	34.277		
11,534.42	6,810.08	7,073.96	6,772.85	138.77	46.01	-85.44	-1,284.10	-1,160.59	2,980.05	2,894.14	85.91	34.690		
11,600.00	6,809.15	7,073.48	6,772.37	140.59	46.01	-84.69	-1,284.10	-1,160.59	3,044.73	2,958.90	85.83	35.473		
11,645.35	6,808.50	7,073.15	6,772.04	141.85	46.01	-84.02	-1,284.10	-1,160.59	3,089.62	3,003.83	85.79	36.013		
11,700.00	6,807.72	7,072.76	6,771.65	143.37	46.01	-83.96	-1,284.10	-1,160.59	3,143.79	3,058.04	85.75	36.663		
11,800.00	6,806.30	7,072.06	6,770.94	146.16	46.00	-83.87	-1,284.10	-1,160.59	3,242.95	3,157.27	85.68	37.852		
11,900.00	6,804.88	7,071.37	6,770.26	148.94	46.00	-83.77	-1,284.09	-1,160.59	3,342.16	3,256.55	85.61	39.039		
12,000.00	6,803.45	7,070.70	6,769.59	151.74	46.00	-83.68	-1,284.09	-1,160.59	3,441.41	3,355.86	85.55	40.226		
12,100.00	6,802.03	7,070.05	6,768.94	154.53	46.00	-83.59	-1,284.09	-1,160.59	3,540.71	3,455.21	85.50	41.411		
12,200.00	6,800.61	7,069.41	6,768.30	157.32	46.00	-83.50	-1,284.09	-1,160.59	3,640.04	3,554.59	85.46	42.596		
12,300.00	6,799.18	7,068.79	6,767.68	160.12	45.99	-83.42	-1,284.09	-1,160.58	3,739.41	3,654.00	85.42	43.779		
12,400.00	6,797.76	7,068.18	6,767.07	162.92	45.99	-83.33	-1,284.09	-1,160.58	3,838.82	3,753.44	85.38	44.960		
12,500.00	6,796.34	7,067.59	6,766.48	165.72	45.99	-83.25	-1,284.09	-1,160.58	3,938.25	3,852.90	85.35	46.141		
12,600.00	6,794.92	7,067.01	6,765.90	168.53	45.99	-83.17	-1,284.09	-1,160.58	4,037.71	3,952.38	85.33	47.320		
12,700.00	6,793.49	7,066.45	6,765.33	171.33	45.99	-83.09	-1,284.09	-1,160.58	4,137.20	4,051.89	85.31	48.497		
12,800.00	6,792.07	7,065.89	6,764.78	174.14	45.99	-83.02	-1,284.09	-1,160.58	4,236.71	4,151.42	85.29	49.673		
12,900.00	6,790.65	7,065.35	6,764.24	176.95	45.99	-82.94	-1,284.09	-1,160.58	4,336.24	4,250.96	85.28	50.847		
13,000.00	6,789.22	7,064.82	6,763.71	179.76	45.98	-82.87	-1,284.10	-1,160.58	4,435.80	4,350.52	85.27	52.019		
13,100.00	6,787.80	7,064.30	6,763.19	182.57	45.98	-82.80	-1,284.10	-1,160.58	4,535.37	4,450.10	85.27	53.190		
13,200.00	6,786.38	7,063.80	6,762.68	185.38	45.98	-82.73	-1,284.10	-1,160.57	4,634.96	4,549.69	85.27	54.359		
13,300.00	6,784.95	7,063.30	6,762.19	188.20	45.98	-82.66	-1,284.10	-1,160.57	4,734.57	4,649.30	85.27	55.526		
13,400.00	6,783.53	7,062.81	6,761.70	191.01	45.98	-82.59	-1,284.10	-1,160.57	4,834.19	4,748.92	85.27	56.691		
13,500.00	6,782.11	7,062.34	6,761.23	193.83	45.98	-82.53	-1,284.10	-1,160.57	4,933.83	4,848.55	85.28	57.854		
13,600.00	6,780.68	7,061.87	6,760.76	196.65	45.98	-82.47	-1,284.10	-1,160.57	5,033.49	4,948.20	85.29	59.015		
13,700.00	6,779.26	7,061.42	6,760.30	199.47	45.97	-82.40	-1,284.10	-1,160.57	5,133.15	5,047.85	85.30	60.175		
13,800.00	6,777.84	7,060.97	6,759.86	202.29	45.97	-82.34	-1,284.10	-1,160.57	5,232.83	5,147.51	85.32	61.332		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,776.42	7,060.53	6,759.42	205.11	45.97	-82.28	-1,284.11	-1,160.56	5,332.53	5,247.19	85.34	62.487		
14,000.00	6,774.99	7,060.10	6,758.99	207.93	45.97	-82.22	-1,284.11	-1,160.56	5,432.23	5,346.87	85.36	63.640		
14,100.00	6,773.57	7,059.68	6,758.57	210.76	45.97	-82.17	-1,284.11	-1,160.56	5,531.94	5,446.56	85.38	64.791		
14,200.00	6,772.15	7,059.27	6,758.15	213.58	45.97	-82.11	-1,284.11	-1,160.56	5,631.67	5,546.26	85.41	65.940		
14,300.00	6,770.72	7,058.86	6,757.75	216.40	45.97	-82.05	-1,284.11	-1,160.56	5,731.40	5,645.97	85.43	67.086		
14,400.00	6,769.30	7,058.46	6,757.35	219.23	45.97	-82.00	-1,284.11	-1,160.56	5,831.14	5,745.68	85.46	68.230		
14,500.00	6,767.88	7,058.07	6,756.96	222.06	45.96	-81.95	-1,284.11	-1,160.55	5,930.89	5,845.40	85.49	69.372		
14,600.00	6,766.45	7,057.69	6,756.58	224.89	45.96	-81.89	-1,284.12	-1,160.55	6,030.65	5,945.13	85.53	70.512		
14,700.00	6,765.03	7,057.31	6,756.20	227.71	45.96	-81.84	-1,284.12	-1,160.55	6,130.42	6,044.86	85.56	71.649		
14,800.00	6,763.61	7,056.94	6,755.83	230.54	45.96	-81.79	-1,284.12	-1,160.55	6,230.19	6,144.60	85.60	72.784		
14,900.00	6,762.19	7,056.58	6,755.47	233.37	45.96	-81.74	-1,284.12	-1,160.55	6,329.98	6,244.34	85.64	73.917		
15,000.00	6,760.76	7,056.23	6,755.11	236.20	45.96	-81.69	-1,284.12	-1,160.55	6,429.76	6,344.09	85.68	75.047		
15,100.00	6,759.34	7,055.88	6,754.76	239.03	45.96	-81.65	-1,284.12	-1,160.55	6,529.56	6,443.84	85.72	76.175		
15,200.00	6,757.92	7,055.53	6,754.42	241.86	45.96	-81.60	-1,284.13	-1,160.54	6,629.36	6,543.60	85.76	77.300		
15,300.00	6,756.49	7,055.20	6,754.08	244.70	45.96	-81.55	-1,284.13	-1,160.54	6,729.17	6,643.36	85.81	78.423		
15,334.64	6,756.00	7,055.08	6,753.97	245.68	45.96	-81.54	-1,284.13	-1,160.54	6,763.74	6,677.92	85.82	78.812		
15,335.52	6,755.99	7,055.08	6,753.96	245.70	45.96	-81.54	-1,284.13	-1,160.54	6,764.62	6,678.80	85.82	78.822		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-67.54	393.47	-951.75	1,030.58					
100.00	100.00	59.88	59.88	3.28	3.29	-67.54	393.47	-951.80	1,029.92	1,023.35	6.57	156.699 CC, ES		
200.00	200.00	155.27	155.27	3.34	3.34	-67.55	393.53	-952.21	1,030.35	1,023.67	6.68	154.232		
300.00	300.00	255.76	255.76	3.44	3.45	-67.50	394.54	-952.49	1,030.99	1,024.10	6.90	149.459		
400.00	399.98	345.80	345.74	3.60	3.59	162.57	397.53	-952.34	1,033.77	1,026.58	7.19	143.727		
500.00	499.84	438.91	438.65	3.79	3.78	162.92	403.51	-951.72	1,040.66	1,033.08	7.57	137.385		
600.00	599.45	526.86	526.14	4.03	3.99	163.45	412.35	-950.56	1,051.78	1,043.75	8.03	131.006		
700.00	698.70	612.79	611.26	4.30	4.24	164.14	424.02	-949.06	1,067.44	1,058.89	8.55	124.836		
785.00	782.69	681.60	679.13	4.56	4.47	164.78	435.26	-947.84	1,084.52	1,075.48	9.04	120.028		
800.00	797.47	693.60	690.94	4.60	4.51	164.92	437.36	-947.66	1,087.87	1,078.74	9.13	119.188		
900.00	896.04	781.94	777.77	4.94	4.84	165.93	453.59	-946.37	1,110.88	1,101.11	9.77	113.750		
1,000.00	994.61	874.76	868.81	5.30	5.23	166.99	471.62	-945.00	1,134.72	1,124.26	10.46	108.442		
1,100.00	1,093.18	967.86	959.78	5.69	5.65	168.11	491.30	-942.72	1,158.95	1,147.74	11.21	103.345		
1,200.00	1,191.75	1,052.38	1,041.93	6.08	6.07	169.18	510.98	-940.08	1,184.10	1,172.14	11.97	98.935		
1,300.00	1,290.32	1,133.46	1,120.21	6.49	6.50	170.27	531.89	-937.18	1,210.63	1,197.89	12.74	95.027		
1,400.00	1,388.89	1,203.09	1,186.94	6.91	6.91	171.25	551.60	-934.62	1,238.96	1,225.48	13.47	91.965		
1,500.00	1,487.46	1,274.96	1,255.17	7.34	7.36	172.30	574.07	-932.28	1,269.70	1,255.46	14.23	89.201		
1,600.00	1,586.03	1,355.92	1,331.47	7.77	7.89	173.51	600.98	-929.33	1,301.92	1,286.85	15.08	86.358		
1,700.00	1,684.61	1,436.11	1,406.81	8.22	8.45	174.68	628.28	-926.72	1,335.55	1,319.62	15.92	83.870		
1,800.00	1,783.18	1,526.97	1,492.37	8.66	9.09	175.92	658.79	-924.39	1,370.05	1,353.19	16.86	81.278		
1,900.00	1,881.75	1,622.13	1,582.31	9.11	9.76	177.11	689.81	-922.35	1,404.81	1,386.99	17.82	78.227		
2,000.00	1,980.32	1,715.93	1,671.24	9.57	10.42	178.19	719.60	-920.73	1,439.86	1,421.08	18.77	76.700		
2,100.00	2,078.89	1,805.31	1,756.40	10.02	11.05	179.11	746.71	-919.88	1,474.98	1,455.30	19.68	74.941		
2,200.00	2,177.46	1,883.79	1,831.16	10.49	11.60	179.87	770.57	-919.97	1,511.20	1,490.70	20.50	73.723		
2,300.00	2,276.03	2,001.86	1,943.68	10.95	12.43	-179.03	806.35	-919.52	1,547.42	1,525.78	21.64	71.512		
2,400.00	2,374.60	2,127.69	2,064.41	11.41	13.29	-177.97	841.78	-917.59	1,581.65	1,558.82	22.83	69.269		
2,500.00	2,473.17	2,217.50	2,150.60	11.88	13.91	-177.22	866.89	-915.24	1,615.36	1,591.61	23.75	68.028		
2,600.00	2,571.74	2,348.87	2,277.18	12.35	14.79	-176.23	901.78	-911.41	1,648.12	1,623.14	24.98	65.982		
2,700.00	2,670.31	2,434.75	2,360.15	12.82	15.35	-175.61	923.72	-908.38	1,680.09	1,654.24	25.85	64.994		
2,800.00	2,768.88	2,505.76	2,428.59	13.29	15.83	-175.12	942.57	-906.45	1,713.42	1,686.81	26.61	64.401		
2,900.00	2,867.45	2,586.72	2,506.32	13.76	16.40	-174.53	965.23	-903.79	1,747.61	1,720.17	27.45	63.672		
3,000.00	2,966.02	2,645.52	2,562.28	14.24	16.83	-174.08	983.01	-901.56	1,783.29	1,755.18	28.11	63.450		
3,100.00	3,064.59	2,706.14	2,619.55	14.71	17.29	-173.59	1,002.71	-899.30	1,820.81	1,792.03	28.78	63.274		
3,200.00	3,163.16	2,787.80	2,696.32	15.19	17.92	-172.94	1,030.40	-896.67	1,859.86	1,830.22	29.64	62.749		
3,300.00	3,261.73	2,897.83	2,800.65	15.66	18.75	-172.18	1,065.29	-894.43	1,898.27	1,867.51	30.76	61.715		
3,400.00	3,360.30	2,991.73	2,890.05	16.14	19.44	-171.60	1,093.97	-893.24	1,936.52	1,904.80	31.71	61.062		
3,500.00	3,458.87	3,110.72	3,003.74	16.62	20.31	-170.93	1,129.11	-892.01	1,974.35	1,941.47	32.89	60.033		
3,600.00	3,557.44	3,202.09	3,091.37	17.10	20.95	-170.46	1,154.97	-891.38	2,011.59	1,977.79	33.80	59.513		
3,700.00	3,656.01	3,309.62	3,194.49	17.58	21.71	-169.92	1,185.36	-889.86	2,048.50	2,013.64	34.86	58.763		
3,800.00	3,754.58	3,407.68	3,288.72	18.06	22.39	-169.46	1,212.48	-888.33	2,084.98	2,049.14	35.83	58.187		
3,900.00	3,853.15	3,565.10	3,440.90	18.54	23.45	-168.84	1,252.68	-887.51	2,120.93	2,083.65	37.29	56.882		
4,000.00	3,951.72	3,660.46	3,533.63	19.02	24.05	-168.51	1,274.90	-886.62	2,154.68	2,116.48	38.20	56.402		
4,100.00	4,050.29	3,738.61	3,609.46	19.50	24.55	-168.23	1,293.76	-885.32	2,188.70	2,149.72	38.99	56.139		
4,200.00	4,148.86	3,814.58	3,682.97	19.98	25.06	-167.94	1,312.89	-883.92	2,223.48	2,183.72	39.76	55.925		
4,300.00	4,247.43	3,921.30	3,786.52	20.46	25.74	-167.60	1,338.67	-883.70	2,258.49	2,217.72	40.77	55.393		
4,400.00	4,346.00	4,398.37	4,258.60	20.94	26.01	-167.01	1,399.57	-879.56	2,281.26	2,237.35	43.91	51.952		
4,500.00	4,444.58	4,535.69	4,395.87	21.43	28.44	-167.10	1,402.29	-879.68	2,299.42	2,254.57	44.85	51.267		
4,600.00	4,543.15	4,640.53	4,500.71	21.91	28.74	-167.22	1,402.09	-880.61	2,316.25	2,270.60	45.65	50.741		
4,700.00	4,641.72	4,757.76	4,617.91	22.39	29.05	-167.40	1,400.14	-882.76	2,332.49	2,286.02	46.47	50.194		
4,800.00	4,740.29	4,856.72	4,716.82	22.87	29.31	-167.56	1,398.05	-884.51	2,348.35	2,301.12	47.24	49.715		
4,900.00	4,838.86	4,949.63	4,809.72	23.36	29.56	-167.68	1,396.59	-885.57	2,364.29	2,316.30	47.99	49.266		
5,000.00	4,937.43	5,039.88	4,899.95	23.84	29.82	-167.80	1,395.49	-886.71	2,380.57	2,331.83	48.74	48.842		

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 34N-6A-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 34N-6A-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	5,036.00	5,131.62	4,991.68	24.32	30.08	-167.91	1,394.70	-887.90	2,397.18	2,347.67	49.50	48.427		
5,200.00	5,134.57	5,217.75	5,077.80	24.81	30.34	-168.01	1,394.32	-889.07	2,414.15	2,363.90	50.25	48.044		
5,300.00	5,233.14	5,302.89	5,162.93	25.29	30.60	-168.11	1,394.39	-890.45	2,431.70	2,380.70	50.99	47.686		
5,400.00	5,331.71	5,393.84	5,253.87	25.78	30.89	-168.21	1,394.77	-892.14	2,449.65	2,397.89	51.77	47.322		
5,500.00	5,430.28	5,493.81	5,353.81	26.26	31.21	-168.32	1,395.34	-894.07	2,467.78	2,415.21	52.58	46.937		
5,600.00	5,528.85	5,593.40	5,453.39	26.75	31.53	-168.42	1,395.82	-895.84	2,485.76	2,432.37	53.39	46.562		
5,700.00	5,627.42	5,686.73	5,546.70	27.23	31.83	-168.53	1,396.06	-897.95	2,503.86	2,449.69	54.17	46.221		
5,800.00	5,725.99	5,776.54	5,636.47	27.72	32.12	-168.64	1,396.42	-900.18	2,522.23	2,467.28	54.94	45.905		
5,900.00	5,824.56	5,865.45	5,725.36	28.20	32.42	-168.73	1,397.34	-902.19	2,540.94	2,485.23	55.72	45.606		
6,000.00	5,923.13	5,953.46	5,813.34	28.69	32.72	-168.82	1,398.44	-904.47	2,560.04	2,503.56	56.48	45.323		
6,100.00	6,021.70	6,092.28	5,952.11	29.17	33.19	-168.94	1,400.00	-907.10	2,578.64	2,521.16	57.48	44.859		
6,200.00	6,120.27	6,182.39	6,042.22	29.66	33.50	-169.01	1,400.85	-908.03	2,596.55	2,538.28	58.27	44.559		
6,238.51	6,158.23	6,216.95	6,076.78	29.84	33.62	-169.04	1,401.21	-908.47	2,603.53	2,544.96	58.58	44.447		
6,250.00	6,169.57	6,227.28	6,087.10	29.90	33.66	-173.61	1,401.32	-908.61	2,605.56	2,546.90	58.67	44.414		
6,300.00	6,219.12	6,267.99	6,127.80	30.13	33.80	156.90	1,401.81	-909.21	2,613.06	2,554.03	59.03	44.268		
6,350.00	6,268.78	6,308.93	6,168.73	30.33	33.95	118.88	1,402.42	-909.91	2,618.36	2,558.99	59.37	44.100		
6,400.00	6,318.25	6,349.74	6,209.53	30.52	34.09	93.99	1,403.12	-910.68	2,621.44	2,561.74	59.70	43.911		
6,450.00	6,367.22	6,395.63	6,255.40	30.69	34.26	81.42	1,404.00	-911.62	2,622.26	2,562.23	60.03	43.682		
6,500.00	6,415.39	6,442.22	6,301.97	30.86	34.43	74.77	1,404.92	-912.59	2,620.77	2,560.42	60.35	43.425		
6,550.00	6,462.47	6,487.83	6,347.56	31.02	34.59	71.06	1,405.85	-913.56	2,617.01	2,556.35	60.65	43.147		
6,600.00	6,508.16	6,570.26	6,429.97	31.18	34.88	69.35	1,407.12	-914.94	2,610.72	2,549.60	61.12	42.717		
6,650.00	6,552.18	6,649.50	6,509.20	31.34	35.17	68.79	1,407.50	-915.56	2,601.71	2,540.17	61.55	42.273		
6,700.00	6,594.26	6,696.59	6,556.30	31.51	35.32	68.72	1,407.65	-915.56	2,590.50	2,528.67	61.82	41.902		
6,750.00	6,634.14	6,747.51	6,607.22	31.68	35.50	69.31	1,407.73	-915.26	2,577.28	2,515.16	62.12	41.490		
6,800.00	6,671.58	6,785.24	6,644.95	31.86	35.63	70.20	1,407.78	-914.89	2,562.33	2,499.97	62.37	41.086		
6,850.00	6,706.34	6,817.40	6,677.10	32.06	35.74	71.41	1,407.83	-914.60	2,545.97	2,483.37	62.60	40.668		
6,900.00	6,738.21	6,846.89	6,706.59	32.27	35.84	72.90	1,407.89	-914.35	2,528.39	2,465.54	62.85	40.228		
6,950.00	6,766.99	6,873.54	6,733.24	32.52	35.93	74.62	1,407.95	-914.16	2,509.76	2,446.65	63.12	39.764		
7,000.00	6,792.51	6,897.45	6,757.15	32.80	36.01	76.53	1,408.02	-914.00	2,490.29	2,426.89	63.41	39.275		
7,050.00	6,814.61	6,919.23	6,778.93	33.12	36.08	78.59	1,408.08	-913.86	2,470.17	2,406.44	63.73	38.759		
7,100.00	6,833.15	6,937.45	6,797.15	33.48	36.15	80.74	1,408.13	-913.74	2,449.58	2,385.50	64.09	38.222		
7,150.00	6,848.02	6,951.99	6,811.69	33.89	36.20	82.92	1,408.17	-913.65	2,428.74	2,364.26	64.48	37.666		
7,200.00	6,859.13	6,962.77	6,822.47	34.35	36.23	85.10	1,408.20	-913.58	2,407.82	2,342.91	64.91	37.093		
7,250.00	6,866.40	6,969.71	6,829.41	34.86	36.26	87.23	1,408.22	-913.53	2,387.02	2,321.64	65.38	36.509		
7,300.00	6,869.79	6,972.78	6,832.48	35.40	36.27	89.28	1,408.23	-913.52	2,366.49	2,300.61	65.88	35.920		
7,327.68	6,870.00	6,972.80	6,832.50	35.71	36.27	90.37	1,408.23	-913.51	2,355.30	2,289.12	66.17	35.593		
7,400.00	6,868.97	6,971.31	6,831.00	36.61	36.26	90.33	1,408.22	-913.52	2,327.20	2,260.19	67.01	34.732		
7,500.00	6,867.54	6,969.24	6,828.93	38.01	36.26	90.28	1,408.22	-913.54	2,291.53	2,223.19	68.34	33.529		
7,600.00	6,866.12	6,967.17	6,826.86	39.58	36.25	90.22	1,408.21	-913.55	2,259.73	2,189.85	69.88	32.335		
7,700.00	6,864.69	6,965.10	6,824.79	41.29	36.24	90.17	1,408.20	-913.56	2,231.96	2,160.36	71.61	31.169		
7,800.00	6,863.27	6,963.02	6,822.72	43.12	36.24	90.11	1,408.20	-913.58	2,208.38	2,134.89	73.49	30.051		
7,900.00	6,861.85	7,900.00	6,820.65	45.06	39.48	90.06	1,408.19	-913.59	2,189.10	2,109.88	79.22	27.633		
8,000.00	6,860.42	6,958.88	6,818.58	47.10	36.22	90.00	1,408.19	-913.60	2,174.26	2,096.64	77.62	28.013		
8,100.00	6,859.00	6,956.81	6,816.51	49.21	36.21	89.95	1,408.18	-913.62	2,163.94	2,084.13	79.81	27.115		
8,200.00	6,857.57	6,954.74	6,814.44	51.40	36.21	89.89	1,408.18	-913.63	2,158.21	2,076.16	82.04	26.306		
8,273.95	6,856.52	6,953.21	6,812.91	53.06	36.20	89.85	1,408.17	-913.64	2,156.94	2,073.22	83.72	25.765		
8,300.00	6,856.15	6,952.67	6,812.37	53.65	36.20	89.84	1,408.17	-913.64	2,157.10	2,072.80	84.30	25.588		
8,400.00	6,854.72	6,950.60	6,810.30	55.96	36.19	89.78	1,408.16	-913.66	2,160.62	2,074.07	86.55	24.963		
8,500.00	6,853.30	6,948.53	6,808.23	58.31	36.19	89.73	1,408.16	-913.67	2,168.75	2,079.98	88.77	24.431		
8,600.00	6,851.88	6,946.46	6,806.16	60.70	36.18	89.67	1,408.15	-913.68	2,181.43	2,090.49	90.94	23.988		
8,700.00	6,850.45	6,944.39	6,804.09	63.14	36.17	89.62	1,408.15	-913.70	2,198.60	2,105.56	93.04	23.632		
8,800.00	6,849.03	6,942.32	6,802.02	65.60	36.16	89.56	1,408.14	-913.71	2,220.14	2,125.09	95.05	23.358		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,847.60	6,940.25	6,799.95	68.10	36.16	89.51	1,408.14	-913.72	2,245.92	2,148.96	96.96	23.163		
9,000.00	6,846.18	6,938.18	6,797.88	70.62	36.15	89.45	1,408.13	-913.74	2,275.81	2,177.04	98.77	23.042		
9,100.00	6,844.75	6,936.11	6,795.80	73.17	36.14	89.40	1,408.12	-913.75	2,309.64	2,209.19	100.46	22.991 SF		
9,200.00	6,843.33	6,934.03	6,793.73	75.73	36.14	89.34	1,408.12	-913.76	2,347.25	2,245.22	102.03	23.005		
9,300.00	6,841.91	6,931.96	6,791.66	78.32	36.13	89.29	1,408.11	-913.78	2,388.46	2,284.97	103.49	23.080		
9,400.00	6,840.48	6,929.89	6,789.59	80.92	36.12	89.23	1,408.11	-913.79	2,433.07	2,328.25	104.83	23.211		
9,500.00	6,839.06	6,927.82	6,787.52	83.54	36.11	89.18	1,408.10	-913.80	2,480.92	2,374.87	106.05	23.394		
9,600.00	6,837.63	6,925.75	6,785.45	86.18	36.11	89.12	1,408.09	-913.82	2,531.81	2,424.64	107.16	23.626		
9,700.00	6,836.21	6,923.68	6,783.38	88.82	36.10	89.07	1,408.09	-913.83	2,585.56	2,477.39	108.17	23.902		
9,800.00	6,834.78	6,921.61	6,781.31	91.48	36.09	89.01	1,408.08	-913.84	2,642.01	2,532.93	109.08	24.221		
9,900.00	6,833.36	6,919.54	6,779.23	94.15	36.09	88.96	1,408.08	-913.86	2,700.98	2,591.08	109.90	24.577		
10,000.00	6,831.94	6,917.46	6,777.16	96.83	36.08	88.90	1,408.07	-913.87	2,762.31	2,651.68	110.63	24.969		
10,100.00	6,830.51	6,915.39	6,775.09	99.52	36.07	88.85	1,408.07	-913.88	2,825.85	2,714.57	111.28	25.394		
10,200.00	6,829.09	6,913.32	6,773.02	102.22	36.06	88.79	1,408.06	-913.90	2,891.45	2,779.59	111.85	25.850		
10,300.00	6,827.66	6,911.25	6,770.95	104.92	36.06	88.74	1,408.05	-913.91	2,958.97	2,846.61	112.36	26.334		
10,400.00	6,826.24	6,909.18	6,768.88	107.63	36.05	88.68	1,408.05	-913.92	3,028.29	2,915.48	112.81	26.843		
10,500.00	6,824.81	6,907.64	6,767.34	110.35	36.04	88.64	1,408.05	-913.94	3,099.28	2,986.08	113.21	27.377		
10,600.00	6,823.39	6,905.53	6,765.23	113.08	36.04	88.58	1,408.04	-913.95	3,171.84	3,058.29	113.55	27.933		
10,700.00	6,821.96	6,903.40	6,763.10	115.81	36.03	88.53	1,408.03	-913.96	3,245.86	3,132.01	113.85	28.510		
10,800.00	6,820.54	6,901.27	6,760.96	118.54	36.02	88.47	1,408.03	-913.97	3,321.23	3,207.13	114.10	29.107		
10,900.00	6,819.12	6,899.11	6,758.81	121.29	36.01	88.41	1,408.02	-913.99	3,397.88	3,283.55	114.33	29.721		
11,000.00	6,817.69	6,896.95	6,756.65	124.03	36.01	88.36	1,408.01	-914.00	3,475.71	3,361.20	114.51	30.352		
11,100.00	6,816.27	6,894.77	6,754.47	126.78	36.00	88.30	1,408.01	-914.01	3,554.65	3,439.98	114.67	30.999		
11,200.00	6,814.84	6,892.58	6,752.28	129.54	35.99	88.24	1,408.00	-914.03	3,634.62	3,519.82	114.80	31.660		
11,300.00	6,813.42	6,890.37	6,750.07	132.29	35.98	88.18	1,408.00	-914.04	3,715.57	3,600.66	114.91	32.334		
11,400.00	6,811.99	6,888.15	6,747.85	135.05	35.98	88.12	1,407.99	-914.06	3,797.42	3,682.42	115.00	33.021		
11,500.00	6,810.57	6,885.92	6,745.62	137.82	35.97	88.06	1,407.98	-914.07	3,880.12	3,765.05	115.07	33.720		
11,534.42	6,810.08	6,885.14	6,744.84	138.77	35.97	88.04	1,407.98	-914.08	3,908.77	3,793.69	115.09	33.964		
11,600.00	6,809.15	6,883.67	6,743.37	140.59	35.96	88.09	1,407.98	-914.09	3,963.20	3,848.08	115.12	34.426		
11,645.35	6,808.50	6,882.65	6,742.35	141.85	35.96	88.12	1,407.98	-914.09	4,000.55	3,885.41	115.14	34.744		
11,700.00	6,807.72	6,881.42	6,741.12	143.37	35.95	88.09	1,407.97	-914.10	4,045.53	3,930.37	115.17	35.128		
11,800.00	6,806.30	6,879.15	6,738.85	146.16	35.95	88.03	1,407.97	-914.12	4,128.44	4,013.25	115.20	35.838		
11,900.00	6,804.88	6,876.87	6,736.57	148.94	35.94	87.98	1,407.96	-914.13	4,212.10	4,096.88	115.22	36.558		
12,000.00	6,803.45	6,874.58	6,734.28	151.74	35.93	87.92	1,407.95	-914.15	4,296.45	4,181.22	115.23	37.287		
12,100.00	6,802.03	6,872.27	6,731.97	154.53	35.92	87.86	1,407.95	-914.16	4,381.45	4,266.23	115.22	38.026		
12,200.00	6,800.61	6,869.94	6,729.64	157.32	35.92	87.80	1,407.94	-914.18	4,467.08	4,351.87	115.21	38.773		
12,300.00	6,799.18	6,867.60	6,727.30	160.12	35.91	87.74	1,407.94	-914.20	4,553.29	4,438.10	115.19	39.528		
12,400.00	6,797.76	6,865.25	6,724.95	162.92	35.90	87.69	1,407.93	-914.22	4,640.06	4,524.89	115.17	40.290		
12,500.00	6,796.34	6,862.87	6,722.58	165.72	35.89	87.63	1,407.93	-914.23	4,727.34	4,612.21	115.13	41.060		
12,600.00	6,794.92	6,860.49	6,720.19	168.53	35.88	87.57	1,407.92	-914.25	4,815.12	4,700.03	115.10	41.836		
12,700.00	6,793.49	6,858.08	6,717.78	171.33	35.87	87.51	1,407.91	-914.27	4,903.37	4,788.32	115.05	42.618		
12,800.00	6,792.07	6,855.66	6,715.36	174.14	35.87	87.45	1,407.91	-914.29	4,992.06	4,877.05	115.01	43.406		
12,900.00	6,790.65	6,853.23	6,712.93	176.95	35.86	87.38	1,407.90	-914.30	5,081.17	4,966.21	114.96	44.200		
13,000.00	6,789.22	6,850.78	6,710.48	179.76	35.85	87.32	1,407.90	-914.32	5,170.67	5,055.77	114.91	44.999		
13,100.00	6,787.80	6,848.31	6,708.01	182.57	35.84	87.26	1,407.89	-914.34	5,260.55	5,145.70	114.85	45.803		
13,200.00	6,786.38	6,845.82	6,705.52	185.38	35.83	87.20	1,407.89	-914.36	5,350.79	5,236.00	114.79	46.612		
13,300.00	6,784.95	6,843.32	6,703.02	188.20	35.82	87.14	1,407.88	-914.38	5,441.38	5,326.64	114.74	47.425		
13,400.00	6,783.53	6,840.80	6,700.50	191.01	35.82	87.07	1,407.88	-914.40	5,532.28	5,417.60	114.68	48.243		
13,500.00	6,782.11	6,838.26	6,697.96	193.83	35.81	87.01	1,407.87	-914.42	5,623.49	5,508.88	114.62	49.064		
13,600.00	6,780.68	6,835.71	6,695.41	196.65	35.80	86.95	1,407.87	-914.44	5,715.00	5,600.44	114.55	49.889		
13,700.00	6,779.26	6,833.13	6,692.84	199.47	35.79	86.88	1,407.86	-914.46	5,806.78	5,692.29	114.49	50.717		
13,800.00	6,777.84	6,830.54	6,690.25	202.29	35.78	86.82	1,407.86	-914.48	5,898.83	5,784.40	114.43	51.549		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	
13,900.00	6,776.42	6,827.94	6,687.64	205.11	35.77	86.75	1,407.85	-914.51	5,991.13	5,876.77	114.37	52.384	
14,000.00	6,774.99	6,825.31	6,685.01	207.93	35.76	86.69	1,407.85	-914.53	6,083.68	5,969.37	114.31	53.222	
14,100.00	6,773.57	6,822.66	6,682.37	210.76	35.75	86.62	1,407.84	-914.55	6,176.46	6,062.21	114.25	54.063	
14,200.00	6,772.15	6,820.00	6,679.70	213.58	35.75	86.55	1,407.84	-914.57	6,269.46	6,155.27	114.18	54.906	
14,300.00	6,770.72	6,817.32	6,677.02	216.40	35.74	86.49	1,407.83	-914.60	6,362.67	6,248.54	114.12	55.752	
14,400.00	6,769.30	6,814.62	6,674.32	219.23	35.73	86.42	1,407.83	-914.62	6,456.08	6,342.02	114.06	56.600	
14,500.00	6,767.88	6,811.90	6,671.60	222.06	35.72	86.35	1,407.82	-914.64	6,549.69	6,435.68	114.00	57.451	
14,600.00	6,766.45	6,809.16	6,668.86	224.89	35.71	86.28	1,407.82	-914.67	6,643.48	6,529.53	113.95	58.303	
14,700.00	6,765.03	6,806.40	6,666.10	227.71	35.70	86.21	1,407.81	-914.69	6,737.45	6,623.56	113.89	59.158	
14,800.00	6,763.61	6,803.62	6,663.32	230.54	35.69	86.14	1,407.81	-914.72	6,831.59	6,717.75	113.83	60.014	
14,900.00	6,762.19	6,800.82	6,660.52	233.37	35.68	86.07	1,407.80	-914.74	6,925.89	6,812.11	113.78	60.872	
15,000.00	6,760.76	6,798.00	6,657.70	236.20	35.67	86.00	1,407.80	-914.77	7,020.35	6,906.63	113.72	61.732	
15,100.00	6,759.34	6,795.16	6,654.86	239.03	35.66	85.93	1,407.79	-914.80	7,114.96	7,001.29	113.67	62.593	
15,200.00	6,757.92	6,792.30	6,652.00	241.86	35.65	85.86	1,407.79	-914.82	7,209.71	7,096.10	113.62	63.456	
15,300.00	6,756.49	6,789.41	6,649.12	244.70	35.64	85.79	1,407.79	-914.85	7,304.61	7,191.04	113.57	64.320	
15,334.64	6,756.00	6,788.41	6,648.11	245.68	35.64	85.76	1,407.78	-914.86	7,337.51	7,223.96	113.55	64.620	
15,335.52	6,755.99	6,788.38	6,648.09	245.70	35.64	85.76	1,407.78	-914.86	7,338.35	7,224.80	113.55	64.628	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-68.95	362.87	-942.84	1,010.97					
100.00	100.00	57.51	57.51	3.28	3.29	-68.95	362.92	-942.92	1,010.36	1,003.79	6.57	153.735		
200.00	200.00	147.74	147.74	3.34	3.34	-68.94	363.37	-943.64	1,011.29	1,004.61	6.68	151.482		
300.00	300.00	264.01	263.99	3.44	3.47	-68.85	365.15	-944.00	1,012.16	1,005.25	6.91	146.479		
400.00	399.98	422.50	422.10	3.60	3.75	161.63	372.12	-936.44	1,011.11	1,003.74	7.37	137.239		
500.00	499.84	540.56	539.45	3.79	4.04	162.32	378.35	-925.09	1,009.11	1,001.25	7.85	128.509		
573.27	572.86	631.94	630.07	3.96	4.31	162.95	383.46	-914.51	1,008.60	1,000.31	8.29	121.671	CC, ES	
600.00	599.45	651.79	649.73	4.03	4.37	163.10	384.76	-912.11	1,008.81	1,000.40	8.41	119.952		
700.00	698.70	746.07	742.96	4.30	4.70	163.93	392.26	-900.32	1,012.16	1,003.18	8.99	112.630		
785.00	782.69	829.53	825.07	4.56	5.03	164.84	401.70	-888.78	1,017.99	1,008.44	9.55	106.590		
800.00	797.47	844.28	839.56	4.60	5.09	165.02	403.52	-886.66	1,019.26	1,009.60	9.66	105.541		
900.00	896.04	961.43	954.22	4.94	5.61	166.53	419.24	-868.51	1,027.48	1,016.99	10.49	97.966		
1,000.00	994.61	1,090.51	1,078.96	5.30	6.28	168.47	439.79	-842.57	1,033.19	1,021.71	11.48	89.983		
1,100.00	1,093.18	1,212.84	1,196.53	5.69	7.00	170.36	458.97	-814.73	1,037.33	1,024.81	12.52	82.834		
1,200.00	1,191.75	1,322.54	1,301.38	6.08	7.69	172.08	475.54	-787.09	1,039.80	1,026.25	13.55	76.744		
1,300.00	1,290.32	1,408.06	1,383.09	6.49	8.25	173.43	488.59	-765.48	1,043.10	1,028.63	14.47	72.076		
1,400.00	1,388.89	1,493.66	1,464.82	6.91	8.82	174.80	502.68	-744.28	1,048.23	1,032.80	15.43	67.935		
1,500.00	1,487.46	1,584.80	1,551.65	7.34	9.46	176.29	518.77	-721.77	1,054.85	1,038.39	16.46	64.085		
1,600.00	1,586.03	1,692.18	1,653.55	7.77	10.23	178.09	538.54	-694.26	1,062.06	1,044.42	17.64	60.204		
1,700.00	1,684.61	1,792.01	1,748.39	8.22	10.96	179.72	555.92	-668.38	1,069.33	1,050.54	18.79	56.918		
1,800.00	1,783.18	1,896.01	1,846.88	8.66	11.74	-178.58	573.80	-640.18	1,076.41	1,056.42	19.99	53.852		
1,900.00	1,881.75	1,977.67	1,924.52	9.11	12.35	-177.31	587.50	-618.89	1,084.85	1,063.82	21.03	51.585		
2,000.00	1,980.32	2,061.33	2,004.18	9.57	12.97	-176.03	602.16	-597.99	1,095.31	1,073.22	22.08	49.597		
2,100.00	2,078.89	2,161.44	2,099.40	10.02	13.71	-174.50	620.03	-572.77	1,106.60	1,083.32	23.28	47.540		
2,200.00	2,177.46	2,256.27	2,189.79	10.49	14.42	-173.12	636.46	-549.28	1,118.57	1,094.14	24.43	45.788		
2,300.00	2,276.03	2,366.14	2,294.50	10.95	15.24	-171.55	655.15	-521.73	1,130.84	1,105.14	25.70	44.001		
2,400.00	2,374.60	2,451.98	2,376.69	11.41	15.87	-170.42	668.15	-500.68	1,142.80	1,116.03	26.77	42.694		
2,500.00	2,473.17	2,539.96	2,461.00	11.88	16.51	-169.28	682.67	-480.15	1,156.97	1,129.12	27.85	41.548		
2,600.00	2,571.74	2,663.86	2,579.21	12.35	17.43	-167.65	702.97	-449.08	1,170.65	1,141.41	29.24	40.032		
2,700.00	2,670.31	2,749.48	2,660.48	12.82	18.10	-166.48	717.09	-426.14	1,183.96	1,153.62	30.35	39.013		
2,800.00	2,768.88	2,834.04	2,741.00	13.29	18.75	-165.39	731.21	-404.51	1,198.74	1,167.32	31.42	38.146		
2,900.00	2,867.45	2,951.61	2,853.67	13.76	19.60	-164.02	748.80	-375.94	1,213.35	1,180.61	32.75	37.049		
3,000.00	2,966.02	3,038.23	2,937.06	14.24	20.22	-163.10	760.86	-355.83	1,228.23	1,194.44	33.79	36.346		
3,100.00	3,064.59	3,128.39	3,024.50	14.71	20.81	-162.27	772.52	-337.20	1,244.01	1,209.18	34.82	35.724		
3,200.00	3,163.16	3,213.64	3,107.88	15.19	21.33	-161.66	782.50	-322.58	1,260.84	1,225.08	35.76	35.258		
3,300.00	3,261.73	3,302.07	3,194.87	15.66	21.82	-161.15	792.09	-309.98	1,278.61	1,241.94	36.67	34.865		
3,400.00	3,360.30	3,390.94	3,282.75	16.14	22.27	-160.78	800.92	-300.07	1,297.27	1,259.72	37.55	34.552		
3,500.00	3,458.87	3,495.48	3,386.52	16.62	22.75	-160.49	809.81	-291.05	1,316.04	1,277.56	38.48	34.201		
3,600.00	3,557.44	3,609.77	3,500.39	17.10	23.21	-160.37	816.58	-284.29	1,334.02	1,294.60	39.42	33.841		
3,700.00	3,656.01	3,731.80	3,622.30	17.58	23.64	-160.44	819.85	-280.14	1,350.49	1,310.15	40.34	33.481		
3,800.00	3,754.58	3,833.96	3,724.43	18.06	23.97	-160.57	820.73	-277.53	1,365.84	1,324.72	41.12	33.215		
3,900.00	3,853.15	3,915.23	3,805.69	18.54	24.23	-160.72	821.27	-276.76	1,381.84	1,340.04	41.80	33.062		
4,000.00	3,951.72	4,015.52	3,905.98	19.02	24.53	-160.95	821.81	-276.97	1,398.34	1,355.79	42.55	32.866		
4,100.00	4,050.29	4,106.11	3,996.56	19.50	24.80	-161.14	822.60	-277.09	1,415.10	1,371.85	43.26	32.713		
4,200.00	4,148.86	4,196.78	4,087.22	19.98	25.09	-161.31	824.08	-277.19	1,432.51	1,388.53	43.98	32.574		
4,300.00	4,247.43	4,293.10	4,183.52	20.46	25.40	-161.49	825.83	-277.34	1,450.11	1,405.38	44.73	32.419		
4,400.00	4,346.00	4,384.25	4,274.65	20.94	25.69	-161.65	827.85	-277.75	1,468.21	1,422.75	45.45	32.300		
4,500.00	4,444.58	4,484.33	4,374.70	21.43	26.02	-161.84	830.05	-278.40	1,486.40	1,440.17	46.23	32.152		
4,600.00	4,543.15	4,583.34	4,473.68	21.91	26.33	-162.03	831.92	-279.33	1,504.52	1,457.52	47.00	32.012		
4,700.00	4,641.72	4,679.98	4,570.31	22.39	26.64	-162.23	833.63	-280.46	1,522.67	1,474.92	47.75	31.887		
4,800.00	4,740.29	4,785.51	4,675.81	22.87	26.98	-162.45	835.26	-281.96	1,540.79	1,492.23	48.55	31.734		
4,900.00	4,838.86	4,939.83	4,830.12	23.36	27.46	-162.77	835.05	-282.79	1,557.21	1,507.63	49.58	31.406		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	4,937.43	5,050.11	4,940.36	23.84	27.81	-162.94	832.93	-280.58	1,570.60	1,520.20	50.40	31.161		
5,100.00	5,036.00	5,138.53	5,028.75	24.32	28.10	-163.08	831.61	-278.89	1,584.47	1,533.34	51.13	30.987		
5,200.00	5,134.57	5,225.28	5,115.49	24.81	28.39	-163.21	830.77	-277.69	1,599.06	1,547.21	51.85	30.839		
5,300.00	5,233.14	5,326.73	5,216.94	25.29	28.72	-163.38	829.95	-276.81	1,614.09	1,561.44	52.64	30.662		
5,400.00	5,331.71	5,422.82	5,313.01	25.78	29.04	-163.52	829.24	-275.63	1,628.97	1,575.56	53.41	30.498		
5,500.00	5,430.28	5,515.49	5,405.67	26.26	29.36	-163.64	829.04	-274.26	1,644.16	1,589.99	54.18	30.348		
5,600.00	5,528.85	5,595.33	5,485.51	26.75	29.65	-163.75	829.25	-273.60	1,660.11	1,605.24	54.87	30.255		
5,700.00	5,627.42	5,684.44	5,574.62	27.23	29.97	-163.87	830.15	-273.29	1,676.94	1,621.32	55.62	30.150		
5,800.00	5,725.99	5,770.91	5,661.07	27.72	30.28	-163.98	831.50	-273.18	1,694.36	1,638.00	56.35	30.067		
5,900.00	5,824.56	5,866.36	5,756.51	28.20	30.62	-164.11	833.30	-273.43	1,712.26	1,655.13	57.14	29.966		
6,000.00	5,923.13	5,961.99	5,852.12	28.69	30.96	-164.24	835.02	-274.01	1,730.29	1,672.37	57.92	29.871		
6,100.00	6,021.70	6,095.01	5,985.12	29.17	31.41	-164.48	835.29	-275.53	1,747.30	1,688.39	58.91	29.660		
6,200.00	6,120.27	6,222.61	6,112.71	29.66	31.83	-164.72	833.52	-276.20	1,762.75	1,702.91	59.84	29.458		
6,238.51	6,158.23	6,254.91	6,145.01	29.84	31.94	-164.77	832.97	-276.08	1,768.40	1,708.29	60.11	29.419		
6,250.00	6,169.57	6,264.03	6,154.12	29.90	31.97	-169.33	832.84	-276.05	1,770.07	1,709.88	60.19	29.408		
6,300.00	6,219.12	6,303.82	6,193.91	30.13	32.11	161.25	832.39	-275.99	1,776.18	1,715.65	60.52	29.347		
6,350.00	6,268.78	6,342.92	6,233.01	30.33	32.24	123.31	832.15	-276.05	1,780.44	1,719.60	60.84	29.263		
6,400.00	6,318.25	6,381.52	6,271.61	30.52	32.37	98.49	832.06	-276.31	1,782.87	1,721.73	61.15	29.157		
6,450.00	6,367.22	6,422.78	6,312.87	30.69	32.51	85.99	832.11	-276.79	1,783.47	1,722.01	61.46	29.020		
6,500.00	6,415.39	6,467.22	6,357.30	30.86	32.67	79.44	832.22	-277.43	1,782.13	1,720.35	61.78	28.846		
6,550.00	6,462.47	6,509.89	6,399.97	31.02	32.81	75.83	832.39	-278.14	1,778.90	1,716.81	62.09	28.650		
6,600.00	6,508.16	6,550.15	6,440.22	31.18	32.96	73.85	832.68	-278.82	1,773.91	1,711.52	62.39	28.434		
6,650.00	6,552.18	6,588.81	6,478.87	31.34	33.09	72.92	833.10	-279.48	1,767.29	1,704.61	62.68	28.197		
6,700.00	6,594.26	6,625.09	6,515.14	31.51	33.22	72.69	833.61	-280.15	1,759.19	1,696.23	62.96	27.941		
6,750.00	6,634.14	6,659.62	6,549.65	31.68	33.34	72.98	834.19	-280.86	1,749.78	1,686.53	63.25	27.666		
6,800.00	6,671.58	6,691.96	6,581.98	31.86	33.46	73.65	834.82	-281.60	1,739.22	1,675.68	63.54	27.373		
6,850.00	6,706.34	6,721.97	6,611.98	32.06	33.57	74.63	835.49	-282.32	1,727.70	1,663.86	63.84	27.062		
6,900.00	6,738.21	6,749.66	6,639.65	32.27	33.67	75.82	836.18	-283.03	1,715.41	1,651.25	64.17	26.733		
6,950.00	6,766.99	6,775.63	6,665.60	32.52	33.76	77.21	836.89	-283.73	1,702.56	1,638.04	64.53	26.386		
7,000.00	6,792.51	6,799.49	6,689.44	32.80	33.85	78.71	837.58	-284.38	1,689.33	1,624.41	64.92	26.021		
7,050.00	6,814.61	6,820.33	6,710.26	33.12	33.92	80.27	838.22	-284.95	1,675.94	1,610.58	65.35	25.644		
7,100.00	6,833.15	6,838.03	6,727.95	33.48	33.99	81.83	838.79	-285.44	1,662.58	1,596.75	65.83	25.257		
7,150.00	6,848.02	6,852.48	6,742.38	33.89	34.04	83.33	839.26	-285.84	1,649.46	1,583.12	66.34	24.863		
7,200.00	6,859.13	6,866.30	6,756.19	34.35	34.09	84.85	839.73	-286.21	1,636.75	1,569.83	66.91	24.461		
7,250.00	6,866.40	6,875.81	6,765.69	34.86	34.12	86.22	840.04	-286.45	1,624.62	1,557.10	67.51	24.063		
7,300.00	6,869.79	6,880.91	6,770.79	35.40	34.14	87.40	840.21	-286.58	1,613.23	1,545.09	68.13	23.677		
7,327.68	6,870.00	6,881.85	6,771.73	35.71	34.15	87.98	840.24	-286.60	1,607.28	1,538.80	68.48	23.469		
7,400.00	6,868.97	6,882.57	6,772.45	36.61	34.15	88.00	840.26	-286.62	1,593.69	1,524.23	69.45	22.947		
7,500.00	6,867.54	6,883.54	6,773.42	38.01	34.15	88.04	840.29	-286.64	1,580.15	1,509.24	70.91	22.283		
7,600.00	6,866.12	6,884.49	6,774.36	39.58	34.16	88.07	840.32	-286.67	1,572.87	1,500.39	72.48	21.701		
7,664.80	6,865.20	6,885.09	6,774.96	40.68	34.16	88.10	840.34	-286.68	1,571.53	1,498.00	73.54	21.370		
7,700.00	6,864.69	6,885.41	6,775.28	41.29	34.16	88.11	840.35	-286.69	1,571.93	1,497.83	74.10	21.214		
7,800.00	6,863.27	6,886.31	6,776.18	43.12	34.16	88.14	840.38	-286.71	1,577.34	1,501.61	75.73	20.829		
7,900.00	6,861.85	6,887.18	6,777.06	45.06	34.17	88.17	840.41	-286.73	1,589.04	1,511.71	77.33	20.549		
8,000.00	6,860.42	6,888.04	6,777.91	47.10	34.17	88.20	840.44	-286.75	1,606.88	1,528.02	78.86	20.375		
8,100.00	6,859.00	6,888.87	6,778.74	49.21	34.17	88.23	840.47	-286.77	1,630.68	1,550.37	80.31	20.305 SF		
8,200.00	6,857.57	6,889.68	6,779.56	51.40	34.17	88.26	840.49	-286.79	1,660.16	1,578.52	81.64	20.334		
8,300.00	6,856.15	6,890.48	6,780.35	53.65	34.18	88.29	840.52	-286.81	1,695.04	1,612.18	82.86	20.457		
8,400.00	6,854.72	6,891.25	6,781.12	55.96	34.18	88.32	840.54	-286.83	1,734.99	1,651.04	83.95	20.666		
8,500.00	6,853.30	6,892.01	6,781.88	58.31	34.18	88.35	840.57	-286.84	1,779.67	1,694.75	84.92	20.956		
8,600.00	6,851.88	6,892.75	6,782.62	60.70	34.19	88.37	840.59	-286.86	1,828.73	1,742.95	85.78	21.319		
8,700.00	6,850.45	6,893.47	6,783.34	63.14	34.19	88.40	840.62	-286.88	1,881.83	1,795.31	86.52	21.749		

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 34N-6A-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 34N-6A-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	6,849.03	6,894.18	6,784.05	65.60	34.19	88.43	840.64	-286.89	1,938.64	1,851.47	87.17	22.240		
8,900.00	6,847.60	6,894.87	6,784.74	68.10	34.19	88.45	840.66	-286.91	1,998.83	1,911.11	87.72	22.786		
9,000.00	6,846.18	6,895.55	6,785.41	70.62	34.20	88.48	840.68	-286.92	2,062.13	1,973.93	88.20	23.381		
9,100.00	6,844.75	6,896.21	6,786.07	73.17	34.20	88.50	840.70	-286.94	2,128.23	2,039.64	88.60	24.021		
9,200.00	6,843.33	6,896.85	6,786.72	75.73	34.20	88.52	840.72	-286.95	2,196.91	2,107.97	88.94	24.702		
9,300.00	6,841.91	6,897.49	6,787.35	78.32	34.20	88.55	840.74	-286.97	2,267.91	2,178.69	89.22	25.419		
9,400.00	6,840.48	6,898.11	6,787.97	80.92	34.21	88.57	840.76	-286.98	2,341.04	2,251.58	89.46	26.169		
9,500.00	6,839.06	6,898.71	6,788.58	83.54	34.21	88.59	840.78	-286.99	2,416.08	2,326.43	89.65	26.949		
9,600.00	6,837.63	6,899.31	6,789.17	86.18	34.21	88.61	840.80	-287.01	2,492.89	2,403.07	89.82	27.756		
9,700.00	6,836.21	6,899.89	6,789.75	88.82	34.21	88.63	840.82	-287.02	2,571.28	2,481.34	89.95	28.587		
9,800.00	6,834.78	6,900.46	6,790.32	91.48	34.21	88.66	840.84	-287.03	2,651.14	2,561.08	90.05	29.440		
9,900.00	6,833.36	6,901.02	6,790.88	94.15	34.22	88.68	840.86	-287.05	2,732.31	2,642.18	90.14	30.313		
10,000.00	6,831.94	6,901.56	6,791.43	96.83	34.22	88.70	840.88	-287.06	2,814.70	2,724.50	90.20	31.204		
10,100.00	6,830.51	6,902.10	6,791.96	99.52	34.22	88.72	840.89	-287.07	2,898.20	2,807.95	90.25	32.112		
10,200.00	6,829.09	6,902.63	6,792.49	102.22	34.22	88.73	840.91	-287.08	2,982.71	2,892.42	90.29	33.035		
10,300.00	6,827.66	6,903.14	6,793.00	104.92	34.22	88.75	840.93	-287.09	3,068.16	2,977.84	90.32	33.972		
10,400.00	6,826.24	6,903.65	6,793.51	107.63	34.23	88.77	840.94	-287.10	3,154.46	3,064.13	90.33	34.921		
10,500.00	6,824.81	6,904.15	6,794.01	110.35	34.23	88.79	840.96	-287.11	3,241.55	3,151.21	90.34	35.881		
10,600.00	6,823.39	6,904.63	6,794.49	113.08	34.23	88.81	840.97	-287.12	3,329.36	3,239.02	90.34	36.853		
10,700.00	6,821.96	6,905.11	6,794.97	115.81	34.23	88.83	840.99	-287.13	3,417.84	3,327.50	90.34	37.833		
10,800.00	6,820.54	6,905.58	6,795.44	118.54	34.23	88.84	841.00	-287.14	3,506.94	3,416.61	90.33	38.823		
10,900.00	6,819.12	6,906.04	6,795.90	121.29	34.23	88.86	841.02	-287.15	3,596.62	3,506.30	90.32	39.821		
11,000.00	6,817.69	6,906.49	6,796.35	124.03	34.24	88.88	841.03	-287.16	3,686.82	3,596.52	90.31	40.826		
11,100.00	6,816.27	6,906.94	6,796.80	126.78	34.24	88.89	841.05	-287.17	3,777.52	3,687.23	90.29	41.838		
11,200.00	6,814.84	6,907.38	6,797.23	129.54	34.24	88.91	841.06	-287.18	3,868.68	3,778.41	90.27	42.856		
11,300.00	6,813.42	6,907.80	6,797.66	132.29	34.24	88.92	841.07	-287.19	3,960.26	3,870.01	90.25	43.879		
11,400.00	6,811.99	6,908.23	6,798.08	135.05	34.24	88.94	841.09	-287.20	4,052.25	3,962.01	90.23	44.909		
11,500.00	6,810.57	6,908.64	6,798.50	137.82	34.24	88.95	841.10	-287.21	4,144.60	4,054.39	90.21	45.942		
11,534.42	6,810.08	6,908.78	6,798.64	138.77	34.25	88.96	841.11	-287.21	4,176.47	4,086.27	90.21	46.299		
11,600.00	6,809.15	6,909.06	6,798.92	140.59	34.25	89.04	841.11	-287.22	4,237.02	4,146.82	90.19	46.978		
11,645.35	6,808.50	6,909.28	6,799.14	141.85	34.25	89.10	841.12	-287.22	4,278.64	4,188.46	90.18	47.445		
11,700.00	6,807.72	6,909.54	6,799.40	143.37	34.25	89.11	841.13	-287.23	4,328.72	4,238.55	90.17	48.006		
11,800.00	6,806.30	6,910.02	6,799.88	146.16	34.25	89.12	841.14	-287.24	4,420.64	4,330.49	90.15	49.036		
11,900.00	6,804.88	6,910.49	6,800.35	148.94	34.25	89.14	841.16	-287.25	4,512.90	4,422.77	90.13	50.070		
12,000.00	6,803.45	6,910.96	6,800.81	151.74	34.25	89.15	841.17	-287.26	4,605.49	4,515.38	90.11	51.108		
12,100.00	6,802.03	6,911.41	6,801.27	154.53	34.25	89.17	841.19	-287.27	4,698.38	4,608.29	90.09	52.150		
12,200.00	6,800.61	6,911.86	6,801.72	157.32	34.26	89.18	841.20	-287.28	4,791.56	4,701.48	90.07	53.196		
12,300.00	6,799.18	6,912.30	6,802.16	160.12	34.26	89.20	841.22	-287.29	4,885.01	4,794.95	90.06	54.244		
12,400.00	6,797.76	6,912.73	6,802.59	162.92	34.26	89.21	841.23	-287.29	4,978.71	4,888.67	90.04	55.295		
12,500.00	6,796.34	6,913.16	6,803.01	165.72	34.26	89.23	841.24	-287.30	5,072.65	4,982.63	90.02	56.349		
12,600.00	6,794.92	6,913.58	6,803.43	168.53	34.26	89.24	841.26	-287.31	5,166.82	5,076.81	90.01	57.405		
12,700.00	6,793.49	6,913.99	6,803.85	171.33	34.26	89.26	841.27	-287.32	5,261.20	5,171.21	89.99	58.464		
12,800.00	6,792.07	6,914.40	6,804.25	174.14	34.27	89.27	841.28	-287.33	5,355.79	5,265.82	89.98	59.524		
12,900.00	6,790.65	6,914.80	6,804.65	176.95	34.27	89.28	841.30	-287.34	5,450.57	5,360.61	89.96	60.586		
13,000.00	6,789.22	6,915.19	6,805.05	179.76	34.27	89.30	841.31	-287.34	5,545.54	5,455.59	89.95	61.650		
13,100.00	6,787.80	6,915.58	6,805.43	182.57	34.27	89.31	841.32	-287.35	5,640.68	5,550.74	89.94	62.715		
13,200.00	6,786.38	6,915.96	6,805.82	185.38	34.27	89.32	841.33	-287.36	5,735.98	5,646.05	89.93	63.781		
13,300.00	6,784.95	6,916.34	6,806.19	188.20	34.27	89.33	841.34	-287.37	5,831.44	5,741.52	89.92	64.849		
13,400.00	6,783.53	6,916.71	6,806.56	191.01	34.27	89.35	841.36	-287.37	5,927.06	5,837.14	89.92	65.917		
13,500.00	6,782.11	6,917.08	6,806.93	193.83	34.28	89.36	841.37	-287.38	6,022.81	5,932.90	89.91	66.987		
13,600.00	6,780.68	6,917.44	6,807.29	196.65	34.28	89.37	841.38	-287.39	6,118.70	6,028.79	89.91	68.057		
13,700.00	6,779.26	6,917.79	6,807.64	199.47	34.28	89.38	841.39	-287.40	6,214.72	6,124.82	89.90	69.127		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,777.84	6,918.14	6,807.99	202.29	34.28	89.39	841.40	-287.40	6,310.86	6,220.96	89.90	70.199		
13,900.00	6,776.42	6,918.48	6,808.33	205.11	34.28	89.40	841.41	-287.41	6,407.12	6,317.22	89.90	71.270		
14,000.00	6,774.99	6,918.82	6,808.67	207.93	34.28	89.42	841.42	-287.42	6,503.49	6,413.60	89.90	72.342		
14,100.00	6,773.57	6,919.16	6,809.01	210.76	34.28	89.43	841.43	-287.42	6,599.98	6,510.07	89.90	73.414		
14,200.00	6,772.15	6,919.49	6,809.34	213.58	34.28	89.44	841.44	-287.43	6,696.56	6,606.66	89.90	74.486		
14,300.00	6,770.72	6,919.81	6,809.66	216.40	34.29	89.45	841.45	-287.44	6,793.24	6,703.34	89.91	75.558		
14,400.00	6,769.30	6,920.13	6,809.98	219.23	34.29	89.46	841.46	-287.44	6,890.02	6,800.11	89.91	76.630		
14,500.00	6,767.88	6,920.45	6,810.30	222.06	34.29	89.47	841.47	-287.45	6,986.89	6,896.97	89.92	77.702		
14,600.00	6,766.45	6,920.76	6,810.61	224.89	34.29	89.48	841.48	-287.45	7,083.85	6,993.92	89.93	78.774		
14,700.00	6,765.03	6,921.07	6,810.92	227.71	34.29	89.49	841.49	-287.46	7,180.89	7,090.95	89.93	79.846		
14,800.00	6,763.61	6,921.37	6,811.22	230.54	34.29	89.50	841.50	-287.47	7,278.00	7,188.06	89.94	80.917		
14,900.00	6,762.19	6,921.67	6,811.52	233.37	34.29	89.51	841.51	-287.47	7,375.20	7,285.25	89.96	81.987		
15,000.00	6,760.76	6,921.97	6,811.82	236.20	34.29	89.52	841.52	-287.48	7,472.47	7,382.50	89.97	83.057		
15,100.00	6,759.34	6,922.26	6,812.11	239.03	34.29	89.53	841.53	-287.48	7,569.81	7,479.83	89.98	84.127		
15,200.00	6,757.92	6,922.55	6,812.39	241.86	34.30	89.54	841.54	-287.49	7,667.22	7,577.23	90.00	85.196		
15,300.00	6,756.49	6,922.83	6,812.68	244.70	34.30	89.55	841.55	-287.49	7,764.70	7,674.69	90.01	86.264		
15,334.64	6,756.00	6,922.93	6,812.77	245.68	34.30	89.55	841.55	-287.50	7,798.48	7,708.46	90.02	86.634		
15,335.52	6,755.99	6,922.93	6,812.78	245.70	34.30	89.55	841.55	-287.50	7,799.34	7,709.32	90.02	86.643		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-68.23	378.17	-947.02	1,020.52					
100.00	100.00	56.05	56.05	3.28	3.29	-68.23	378.26	-947.06	1,019.82	1,013.24	6.57	155.184 CC, ES		
200.00	200.00	147.08	147.07	3.34	3.34	-68.19	379.19	-947.50	1,020.64	1,013.97	6.67	152.905		
300.00	300.00	244.10	244.07	3.44	3.44	-68.11	381.08	-948.27	1,022.10	1,015.22	6.89	148.411		
400.00	399.98	328.29	328.22	3.60	3.57	161.89	383.33	-949.43	1,026.04	1,018.87	7.17	143.005		
500.00	499.84	400.51	400.36	3.79	3.71	161.99	386.07	-951.65	1,035.33	1,027.81	7.53	137.576		
600.00	599.45	472.52	472.15	4.03	3.87	162.13	390.08	-955.55	1,050.69	1,042.74	7.94	132.284		
700.00	698.70	545.67	544.92	4.30	4.06	162.30	395.29	-960.85	1,071.62	1,063.21	8.41	127.370		
785.00	782.69	604.96	603.76	4.56	4.23	162.43	399.92	-966.38	1,093.83	1,084.99	8.84	123.715		
800.00	797.47	615.47	614.17	4.60	4.27	162.47	400.77	-967.49	1,098.13	1,089.21	8.92	123.061		
900.00	896.04	692.33	690.26	4.94	4.52	162.80	407.03	-976.40	1,127.79	1,118.33	9.46	119.251		
1,000.00	994.61	768.34	765.32	5.30	4.79	163.11	413.61	-986.39	1,159.06	1,149.04	10.02	115.721		
1,100.00	1,093.18	855.73	851.47	5.69	5.14	163.46	421.75	-998.67	1,191.42	1,180.79	10.63	112.061		
1,200.00	1,191.75	928.14	922.73	6.08	5.45	163.70	428.20	-1,009.73	1,224.79	1,213.57	11.22	109.147		
1,300.00	1,290.32	982.00	975.53	6.49	5.69	163.80	432.11	-1,019.60	1,260.34	1,248.59	11.75	107.260		
1,400.00	1,388.89	1,042.35	1,034.32	6.91	5.99	163.87	436.49	-1,032.49	1,298.49	1,286.19	12.30	105.537		
1,500.00	1,487.46	1,097.51	1,087.61	7.34	6.28	163.94	441.33	-1,045.86	1,339.49	1,326.65	12.83	104.377		
1,600.00	1,586.03	1,158.00	1,145.67	7.77	6.62	164.00	447.15	-1,061.84	1,382.68	1,369.30	13.38	103.301		
1,700.00	1,684.61	1,256.81	1,240.27	8.22	7.22	164.09	456.67	-1,088.72	1,426.61	1,412.46	14.15	100.853		
1,800.00	1,783.18	1,318.84	1,299.53	8.66	7.62	164.15	462.99	-1,105.92	1,471.14	1,456.42	14.72	99.951		
1,900.00	1,881.75	1,413.87	1,390.12	9.11	8.25	164.32	474.54	-1,132.17	1,516.42	1,500.93	15.49	97.876		
2,000.00	1,980.32	1,478.63	1,451.81	9.57	8.70	164.47	483.69	-1,149.61	1,561.96	1,545.86	16.09	97.063		
2,100.00	2,078.89	1,544.26	1,513.98	10.02	9.18	164.62	493.30	-1,168.35	1,609.00	1,592.30	16.70	96.362		
2,200.00	2,177.46	1,622.74	1,588.04	10.49	9.76	164.80	505.30	-1,191.36	1,656.99	1,639.60	17.39	95.262		
2,300.00	2,276.03	1,728.71	1,688.18	10.95	10.57	165.08	522.58	-1,221.40	1,704.61	1,686.31	18.29	93.175		
2,400.00	2,374.60	1,834.42	1,788.38	11.41	11.36	165.41	540.96	-1,249.62	1,751.35	1,732.15	19.20	91.197		
2,500.00	2,473.17	1,932.46	1,881.53	11.88	12.10	165.73	558.66	-1,274.56	1,797.36	1,777.29	20.07	89.570		
2,600.00	2,571.74	2,044.89	1,988.61	12.35	12.94	166.08	578.37	-1,302.57	1,842.78	1,821.73	21.04	87.577		
2,700.00	2,670.31	2,106.93	2,047.72	12.82	13.41	166.25	589.15	-1,318.05	1,888.16	1,866.51	21.65	87.214		
2,800.00	2,768.88	2,213.68	2,149.18	13.29	14.22	166.53	607.71	-1,345.53	1,934.32	1,911.72	22.60	85.594		
2,900.00	2,867.45	2,302.10	2,233.54	13.76	14.89	166.72	621.97	-1,367.86	1,979.46	1,956.05	23.41	84.549		
3,000.00	2,966.02	2,369.22	2,297.46	14.24	15.41	166.85	632.56	-1,385.39	2,025.17	2,001.11	24.06	84.160		
3,100.00	3,064.59	2,447.02	2,371.28	14.71	16.02	167.01	645.88	-1,406.03	2,071.81	2,047.01	24.80	83.542		
3,200.00	3,163.16	2,519.31	2,439.83	15.19	16.59	167.17	658.54	-1,425.18	2,118.67	2,093.18	25.49	83.106		
3,300.00	3,261.73	2,578.00	2,495.16	15.66	17.07	167.32	669.98	-1,441.04	2,166.77	2,140.70	26.07	83.103		
3,400.00	3,360.30	2,634.34	2,547.98	16.14	17.55	167.48	682.03	-1,456.48	2,216.08	2,189.44	26.63	83.211		
3,500.00	3,458.87	3,186.14	3,076.92	16.62	21.41	169.27	791.38	-1,561.20	2,264.40	2,233.55	30.85	73.410		
3,600.00	3,557.44	3,514.84	3,403.75	17.10	22.82	169.75	814.41	-1,584.94	2,289.90	2,257.08	32.82	69.771		
3,700.00	3,656.01	3,706.83	3,595.65	17.58	23.43	169.86	815.72	-1,589.73	2,308.56	2,274.57	33.99	67.927		
3,800.00	3,754.58	3,817.21	3,706.01	18.06	23.74	169.90	814.38	-1,591.40	2,325.85	2,291.01	34.84	66.753		
3,900.00	3,853.15	3,919.83	3,808.61	18.54	24.03	169.93	812.91	-1,592.58	2,342.71	2,307.04	35.67	65.671		
4,000.00	3,951.72	4,014.71	3,903.46	19.02	24.30	169.94	811.15	-1,593.80	2,359.50	2,323.01	36.48	64.675		
4,100.00	4,050.29	4,090.00	3,978.71	19.50	24.53	169.94	809.57	-1,595.52	2,376.98	2,339.75	37.23	63.849		
4,200.00	4,148.86	4,196.90	4,085.57	19.98	24.86	169.95	808.02	-1,598.15	2,394.97	2,356.88	38.09	62.872		
4,300.00	4,247.43	4,323.60	4,212.26	20.46	25.25	170.06	808.48	-1,597.86	2,411.45	2,372.44	39.01	61.810		
4,400.00	4,346.00	4,417.89	4,306.54	20.94	25.54	170.16	809.83	-1,597.00	2,427.99	2,388.16	39.83	60.965		
4,500.00	4,444.58	4,505.27	4,393.90	21.43	25.82	170.26	811.19	-1,596.34	2,444.74	2,404.12	40.62	60.187		
4,600.00	4,543.15	4,601.58	4,490.20	21.91	26.14	170.36	812.90	-1,595.98	2,461.93	2,420.48	41.45	59.396		
4,700.00	4,641.72	4,693.73	4,582.33	22.39	26.44	170.46	814.62	-1,595.60	2,479.14	2,436.88	42.27	58.654		
4,800.00	4,740.29	4,859.73	4,748.31	22.87	26.95	170.59	814.65	-1,593.64	2,494.49	2,451.16	43.33	57.574		
4,900.00	4,838.86	4,942.96	4,831.53	23.36	27.20	170.64	813.99	-1,592.45	2,509.50	2,465.40	44.10	56.910		
5,000.00	4,937.43	5,025.25	4,913.81	23.84	27.46	170.70	813.75	-1,591.67	2,525.18	2,480.31	44.86	56.285		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	5,110.00	4,998.56	24.32	27.73	170.76	813.68	-1,591.36	2,541.46	2,495.82	45.65	55.676		
5,200.00	5,134.57	5,193.08	5,081.64	24.81	28.01	170.81	813.80	-1,591.44	2,558.26	2,511.83	46.43	55.095		
5,300.00	5,233.14	5,280.23	5,168.79	25.29	28.32	170.86	814.23	-1,592.05	2,575.73	2,528.49	47.24	54.520		
5,400.00	5,331.71	5,371.83	5,260.38	25.78	28.64	170.91	814.41	-1,592.92	2,593.28	2,545.21	48.07	53.944		
5,500.00	5,430.28	5,447.33	5,335.87	26.26	28.91	170.95	814.74	-1,594.18	2,611.56	2,562.73	48.83	53.480		
5,600.00	5,528.85	5,527.10	5,415.61	26.75	29.21	171.00	815.80	-1,595.87	2,630.65	2,581.04	49.61	53.028		
5,700.00	5,627.42	5,721.18	5,609.64	27.23	29.91	171.14	818.65	-1,597.53	2,649.27	2,598.40	50.87	52.079		
5,800.00	5,725.99	5,818.85	5,707.31	27.72	30.23	171.20	818.24	-1,596.63	2,664.93	2,613.23	51.70	51.546		
5,900.00	5,824.56	5,898.64	5,787.10	28.20	30.50	171.24	817.95	-1,596.44	2,681.20	2,628.73	52.47	51.102		
6,000.00	5,923.13	5,986.66	5,875.12	28.69	30.80	171.28	817.78	-1,596.64	2,697.95	2,644.67	53.27	50.642		
6,100.00	6,021.70	6,070.64	5,959.10	29.17	31.10	171.33	817.79	-1,597.15	2,715.13	2,661.06	54.07	50.213		
6,200.00	6,120.27	6,146.74	6,035.20	29.66	31.38	171.36	818.19	-1,598.01	2,733.01	2,678.18	54.83	49.841		
6,238.51	6,158.23	6,174.16	6,062.60	29.84	31.49	171.38	818.44	-1,598.44	2,740.12	2,685.01	55.12	49.713		
6,250.00	6,169.57	6,182.34	6,070.78	29.90	31.52	166.86	818.53	-1,598.59	2,742.19	2,686.99	55.20	49.675		
6,300.00	6,219.12	6,218.09	6,106.53	30.13	31.66	137.60	818.98	-1,599.31	2,749.34	2,693.78	55.56	49.480		
6,350.00	6,268.78	6,258.34	6,146.76	30.33	31.81	99.77	819.63	-1,600.25	2,753.46	2,697.53	55.93	49.226		
6,400.00	6,318.25	6,300.36	6,188.76	30.52	31.98	75.06	820.53	-1,601.24	2,754.45	2,698.15	56.30	48.927		
6,450.00	6,367.22	6,437.02	6,325.38	30.69	32.50	63.05	822.61	-1,602.68	2,751.53	2,694.44	57.09	48.196		
6,500.00	6,415.39	6,503.23	6,391.60	30.86	32.73	56.71	822.00	-1,602.77	2,744.34	2,686.82	57.52	47.710		
6,550.00	6,462.47	6,540.80	6,429.16	31.02	32.86	53.17	821.47	-1,602.92	2,734.02	2,676.21	57.82	47.289		
6,600.00	6,508.16	6,577.34	6,465.69	31.18	32.99	51.27	821.03	-1,603.18	2,720.83	2,662.73	58.09	46.836		
6,650.00	6,552.18	6,685.25	6,573.59	31.34	33.36	51.08	819.29	-1,603.00	2,704.33	2,645.69	58.64	46.115		
6,700.00	6,594.26	6,727.58	6,615.91	31.51	33.50	51.22	818.44	-1,602.48	2,684.56	2,625.64	58.92	45.564		
6,750.00	6,634.14	6,774.41	6,662.72	31.68	33.66	52.10	817.49	-1,601.74	2,662.07	2,602.87	59.20	44.964		
6,800.00	6,671.58	6,798.17	6,686.47	31.86	33.74	53.29	817.13	-1,601.37	2,637.26	2,577.86	59.41	44.395		
6,850.00	6,706.34	6,824.25	6,712.55	32.06	33.83	55.03	816.84	-1,600.96	2,610.36	2,550.74	59.62	43.786		
6,900.00	6,738.21	6,851.00	6,739.30	32.27	33.92	57.29	816.68	-1,600.54	2,581.54	2,521.70	59.84	43.141		
6,950.00	6,766.99	6,870.37	6,758.66	32.52	33.98	59.92	816.63	-1,600.26	2,551.02	2,490.97	60.05	42.482		
7,000.00	6,792.51	6,890.26	6,778.55	32.80	34.05	63.04	816.60	-1,600.00	2,518.99	2,458.71	60.28	41.787		
7,050.00	6,814.61	6,907.49	6,795.78	33.12	34.12	66.58	816.60	-1,599.80	2,485.68	2,425.15	60.53	41.065		
7,100.00	6,833.15	6,921.95	6,810.24	33.48	34.17	70.50	816.61	-1,599.65	2,451.32	2,390.52	60.80	40.317		
7,150.00	6,848.02	6,933.52	6,821.81	33.89	34.21	74.75	816.63	-1,599.54	2,416.15	2,355.05	61.10	39.546		
7,200.00	6,859.13	6,942.13	6,830.41	34.35	34.24	79.24	816.65	-1,599.46	2,380.40	2,318.98	61.42	38.753		
7,250.00	6,866.40	6,948.18	6,836.47	34.86	34.26	83.90	816.66	-1,599.41	2,344.32	2,282.54	61.79	37.942		
7,300.00	6,869.79	6,950.81	6,839.10	35.40	34.27	88.60	816.67	-1,599.39	2,308.14	2,245.96	62.18	37.120		
7,327.68	6,870.00	6,950.79	6,839.07	35.71	34.27	91.18	816.67	-1,599.39	2,288.16	2,225.75	62.41	36.662		
7,400.00	6,868.97	6,949.34	6,837.63	36.61	34.26	91.12	816.67	-1,599.40	2,236.61	2,173.52	63.09	35.454		
7,500.00	6,867.54	6,947.35	6,835.63	38.01	34.26	91.05	816.66	-1,599.42	2,167.28	2,103.07	64.21	33.755		
7,600.00	6,866.12	6,945.34	6,833.63	39.58	34.25	90.98	816.65	-1,599.44	2,100.42	2,034.86	65.56	32.038		
7,700.00	6,864.69	6,943.34	6,831.62	41.29	34.24	90.91	816.65	-1,599.45	2,036.28	1,969.12	67.16	30.321		
7,800.00	6,863.27	6,941.36	6,829.65	43.12	34.23	90.84	816.64	-1,599.47	1,975.12	1,906.11	69.00	28.624		
7,900.00	6,861.85	6,939.45	6,827.74	45.06	34.23	90.77	816.64	-1,599.48	1,917.22	1,846.12	71.10	26.966		
8,000.00	6,860.42	6,937.52	6,825.81	47.10	34.22	90.70	816.63	-1,599.50	1,862.89	1,789.45	73.44	25.367		
8,100.00	6,859.00	6,935.56	6,823.84	49.21	34.21	90.63	816.63	-1,599.52	1,812.45	1,736.45	76.00	23.847		
8,200.00	6,857.57	6,933.57	6,821.86	51.40	34.21	90.55	816.63	-1,599.54	1,766.24	1,687.46	78.78	22.420		
8,300.00	6,856.15	6,931.56	6,819.85	53.65	34.20	90.48	816.62	-1,599.55	1,724.59	1,642.85	81.74	21.099		
8,400.00	6,854.72	6,929.52	6,817.71	55.96	34.19	90.41	816.62	-1,599.57	1,687.84	1,603.00	84.84	19.895		
8,500.00	6,853.30	6,927.46	6,815.75	58.31	34.19	90.33	816.62	-1,599.59	1,656.32	1,568.28	88.03	18.814		
8,600.00	6,851.88	6,925.37	6,813.66	60.70	34.18	90.26	816.61	-1,599.61	1,630.33	1,539.05	91.28	17.861		
8,700.00	6,850.45	6,923.25	6,811.54	63.14	34.17	90.18	816.61	-1,599.63	1,610.13	1,515.62	94.51	17.036		
8,800.00	6,849.03	6,921.10	6,809.39	65.60	34.16	90.10	816.61	-1,599.65	1,595.96	1,498.28	97.67	16.340		
8,900.00	6,847.60	6,918.92	6,807.21	68.10	34.16	90.03	816.60	-1,599.68	1,587.96	1,487.25	100.71	15.768		

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 34N-6A-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 34N-6A-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		
8,977.34	6,846.50	6,917.22	6,805.51	70.05	34.15	89.96	816.60	-1,599.69	1,586.08	1,483.14	102.94	15.408		
9,000.00	6,846.18	6,916.72	6,805.01	70.62	34.15	89.95	816.60	-1,599.70	1,586.24	1,482.68	103.57	15.316		
9,100.00	6,844.75	6,914.48	6,802.77	73.17	34.14	89.87	816.60	-1,599.72	1,590.81	1,484.62	106.19	14.980		
9,200.00	6,843.33	6,912.22	6,800.51	75.73	34.13	89.78	816.60	-1,599.75	1,601.62	1,493.07	108.56	14.754		
9,300.00	6,841.91	6,909.92	6,798.21	78.32	34.12	89.70	816.60	-1,599.77	1,618.55	1,507.92	110.64	14.630		
9,400.00	6,840.48	6,907.59	6,795.88	80.92	34.12	89.62	816.60	-1,599.80	1,641.40	1,528.99	112.41	14.602 SF		
9,500.00	6,839.06	6,905.23	6,793.52	83.54	34.11	89.53	816.60	-1,599.82	1,669.93	1,556.04	113.89	14.662		
9,600.00	6,837.63	6,902.83	6,791.12	86.18	34.10	89.44	816.60	-1,599.85	1,703.86	1,588.78	115.08	14.806		
9,700.00	6,836.21	6,900.40	6,788.69	88.82	34.09	89.36	816.60	-1,599.88	1,742.87	1,626.87	116.00	15.025		
9,800.00	6,834.78	6,897.94	6,786.23	91.48	34.08	89.27	816.60	-1,599.91	1,786.63	1,669.96	116.66	15.314		
9,900.00	6,833.36	6,895.44	6,783.73	94.15	34.07	89.18	816.60	-1,599.93	1,834.79	1,717.68	117.11	15.667		
10,000.00	6,831.94	6,892.90	6,781.19	96.83	34.06	89.09	816.60	-1,599.97	1,887.03	1,769.67	117.36	16.079		
10,100.00	6,830.51	6,890.33	6,778.62	99.52	34.05	88.99	816.60	-1,600.00	1,943.01	1,825.56	117.44	16.544		
10,200.00	6,829.09	6,887.72	6,776.01	102.22	34.05	88.90	816.60	-1,600.03	2,002.42	1,885.03	117.39	17.058		
10,300.00	6,827.66	6,885.07	6,773.36	104.92	34.04	88.80	816.61	-1,600.06	2,064.96	1,947.74	117.21	17.617		
10,400.00	6,826.24	6,882.38	6,770.67	107.63	34.03	88.71	816.61	-1,600.10	2,130.35	2,013.41	116.94	18.217		
10,500.00	6,824.81	6,879.65	6,767.94	110.35	34.02	88.61	816.61	-1,600.13	2,198.35	2,081.76	116.59	18.855		
10,600.00	6,823.39	6,876.88	6,765.17	113.08	34.01	88.51	816.62	-1,600.17	2,268.72	2,152.53	116.19	19.526		
10,700.00	6,821.96	6,874.06	6,762.36	115.81	34.00	88.41	816.62	-1,600.21	2,341.24	2,225.50	115.73	20.230		
10,800.00	6,820.54	6,871.20	6,759.50	118.54	33.99	88.30	816.63	-1,600.25	2,415.72	2,300.47	115.25	20.961		
10,900.00	6,819.12	6,868.30	6,756.60	121.29	33.98	88.20	816.64	-1,600.29	2,491.98	2,377.25	114.74	21.719		
11,000.00	6,817.69	6,865.36	6,753.65	124.03	33.97	88.09	816.64	-1,600.33	2,569.87	2,455.66	114.21	22.502		
11,100.00	6,816.27	6,862.36	6,750.66	126.78	33.96	87.98	816.65	-1,600.37	2,649.24	2,535.57	113.67	23.306		
11,200.00	6,814.84	6,859.32	6,747.62	129.54	33.95	87.87	816.66	-1,600.42	2,729.97	2,616.84	113.13	24.131		
11,300.00	6,813.42	6,856.23	6,744.53	132.29	33.93	87.76	816.67	-1,600.46	2,811.93	2,699.34	112.59	24.975		
11,400.00	6,811.99	6,853.09	6,741.39	135.05	33.92	87.65	816.68	-1,600.51	2,895.02	2,782.96	112.05	25.836		
11,500.00	6,810.57	6,851.00	6,739.30	137.82	33.92	87.57	816.68	-1,600.54	2,979.15	2,867.62	111.53	26.712		
11,534.42	6,810.08	6,851.00	6,739.30	138.77	33.92	87.57	816.68	-1,600.54	3,008.33	2,896.98	111.35	27.016		
11,600.00	6,809.15	6,847.92	6,736.22	140.59	33.91	87.57	816.70	-1,600.59	3,063.83	2,952.83	111.00	27.601		
11,645.35	6,808.50	6,846.88	6,735.17	141.85	33.90	87.61	816.70	-1,600.60	3,101.98	2,991.22	110.76	28.006		
11,700.00	6,807.72	6,845.61	6,733.91	143.37	33.90	87.57	816.71	-1,600.62	3,147.97	3,037.50	110.47	28.496		
11,800.00	6,806.30	6,843.30	6,731.60	146.16	33.89	87.49	816.72	-1,600.66	3,232.83	3,122.89	109.95	29.403		
11,900.00	6,804.88	6,840.98	6,729.28	148.94	33.88	87.41	816.73	-1,600.69	3,318.53	3,209.10	109.44	30.324		
12,000.00	6,803.45	6,838.66	6,726.96	151.74	33.87	87.33	816.74	-1,600.73	3,405.01	3,296.07	108.94	31.257		
12,100.00	6,802.03	6,836.33	6,724.63	154.53	33.87	87.25	816.75	-1,600.77	3,492.21	3,383.76	108.45	32.201		
12,200.00	6,800.61	6,834.00	6,722.30	157.32	33.86	87.17	816.77	-1,600.80	3,580.08	3,472.10	107.98	33.155		
12,300.00	6,799.18	6,831.66	6,719.96	160.12	33.85	87.09	816.79	-1,600.84	3,668.56	3,561.04	107.52	34.120		
12,400.00	6,797.76	6,829.32	6,717.62	162.92	33.84	87.02	816.80	-1,600.88	3,757.62	3,650.55	107.07	35.094		
12,500.00	6,796.34	6,826.97	6,715.27	165.72	33.83	86.94	816.82	-1,600.91	3,847.22	3,740.58	106.64	36.076		
12,600.00	6,794.92	6,824.62	6,712.92	168.53	33.83	86.86	816.84	-1,600.95	3,937.31	3,831.09	106.22	37.066		
12,700.00	6,793.49	6,822.26	6,710.56	171.33	33.82	86.78	816.86	-1,600.99	4,027.88	3,922.06	105.82	38.063		
12,800.00	6,792.07	6,819.89	6,708.19	174.14	33.81	86.70	816.88	-1,601.02	4,118.87	4,013.44	105.43	39.068		
12,900.00	6,790.65	6,817.52	6,705.82	176.95	33.80	86.62	816.91	-1,601.06	4,210.28	4,105.22	105.05	40.078		
13,000.00	6,789.22	6,815.15	6,703.45	179.76	33.79	86.54	816.93	-1,601.10	4,302.06	4,197.37	104.69	41.095		
13,100.00	6,787.80	6,812.77	6,701.07	182.57	33.79	86.46	816.95	-1,601.14	4,394.20	4,289.87	104.33	42.117		
13,200.00	6,786.38	6,810.38	6,698.69	185.38	33.78	86.37	816.98	-1,601.17	4,486.68	4,382.69	103.99	43.145		
13,300.00	6,784.95	6,807.99	6,696.30	188.20	33.77	86.29	817.01	-1,601.21	4,579.47	4,475.81	103.66	44.177		
13,400.00	6,783.53	6,805.60	6,693.90	191.01	33.76	86.21	817.04	-1,601.25	4,672.56	4,569.21	103.34	45.213		
13,500.00	6,782.11	6,803.20	6,691.50	193.83	33.75	86.13	817.06	-1,601.29	4,765.92	4,662.88	103.04	46.254		
13,600.00	6,780.68	6,800.79	6,689.10	196.65	33.75	86.05	817.10	-1,601.33	4,859.55	4,756.81	102.74	47.299		
13,700.00	6,779.26	6,798.38	6,686.68	199.47	33.74	85.97	817.13	-1,601.36	4,953.42	4,850.97	102.46	48.347		
13,800.00	6,777.84	6,795.96	6,684.27	202.29	33.73	85.89	817.16	-1,601.40	5,047.53	4,945.35	102.18	49.399		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
13,900.00	6,776.42	6,793.54	6,681.85	205.11	33.72	85.81	817.19	-1,601.44	5,141.86	5,039.95	101.91	50.453		
14,000.00	6,774.99	6,791.11	6,679.42	207.93	33.71	85.72	817.23	-1,601.48	5,236.40	5,134.75	101.66	51.511		
14,100.00	6,773.57	6,788.68	6,676.99	210.76	33.71	85.64	817.27	-1,601.52	5,331.14	5,229.73	101.41	52.571		
14,200.00	6,772.15	6,786.24	6,674.55	213.58	33.70	85.56	817.30	-1,601.56	5,426.06	5,324.89	101.17	53.633		
14,300.00	6,770.72	6,783.80	6,672.10	216.40	33.69	85.48	817.34	-1,601.60	5,521.17	5,420.23	100.94	54.698		
14,400.00	6,769.30	6,781.35	6,669.66	219.23	33.68	85.39	817.38	-1,601.64	5,616.44	5,515.72	100.72	55.765		
14,500.00	6,767.88	6,778.89	6,667.20	222.06	33.67	85.31	817.43	-1,601.68	5,711.87	5,611.37	100.50	56.833		
14,600.00	6,766.45	6,776.43	6,664.74	224.89	33.66	85.23	817.47	-1,601.72	5,807.45	5,707.16	100.30	57.904		
14,700.00	6,765.03	6,773.97	6,662.28	227.71	33.66	85.15	817.51	-1,601.76	5,903.18	5,803.09	100.10	58.975		
14,800.00	6,763.61	6,771.49	6,659.81	230.54	33.65	85.06	817.56	-1,601.80	5,999.05	5,899.15	99.90	60.049		
14,900.00	6,762.19	6,769.02	6,657.33	233.37	33.64	84.98	817.60	-1,601.84	6,095.05	5,995.33	99.72	61.123		
15,000.00	6,760.76	6,766.53	6,654.85	236.20	33.63	84.90	817.65	-1,601.88	6,191.17	6,091.63	99.54	62.199		
15,100.00	6,759.34	6,764.05	6,652.36	239.03	33.62	84.81	817.70	-1,601.92	6,287.42	6,188.05	99.37	63.276		
15,200.00	6,757.92	6,762.00	6,650.31	241.86	33.61	84.74	817.74	-1,601.95	6,383.77	6,284.57	99.20	64.352		
15,300.00	6,756.49	6,762.00	6,650.31	244.70	33.61	84.74	817.74	-1,601.95	6,480.24	6,381.20	99.05	65.427		
15,334.64	6,756.00	6,762.00	6,650.31	245.68	33.61	84.74	817.74	-1,601.95	6,513.68	6,414.69	98.99	65.799		
15,335.52	6,755.99	6,762.00	6,650.31	245.70	33.61	84.74	817.74	-1,601.95	6,514.54	6,415.54	98.99	65.809		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-69.70	347.20	-938.39	1,001.28					
100.00	100.00	57.09	57.09	3.28	3.29	-69.70	347.22	-938.49	1,000.67	994.10	6.57	152.262		
200.00	200.00	146.40	146.39	3.34	3.34	-69.71	347.39	-939.40	1,001.70	995.02	6.68	150.059		
300.00	300.00	249.64	249.62	3.44	3.45	-69.71	347.78	-940.91	1,003.20	996.31	6.89	145.526		
400.00	399.98	340.32	340.29	3.60	3.59	160.17	347.90	-942.48	1,006.52	999.33	7.19	139.962		
500.00	499.84	443.11	443.03	3.79	3.80	160.10	346.57	-945.21	1,013.48	1,005.89	7.59	133.539		
600.00	599.45	545.92	545.69	4.03	4.04	159.91	342.15	-948.51	1,023.19	1,015.12	8.07	126.794		
700.00	698.70	633.48	632.90	4.30	4.29	159.60	335.69	-952.82	1,036.72	1,028.13	8.59	120.740		
785.00	782.69	706.88	705.85	4.56	4.52	159.28	329.21	-957.65	1,051.68	1,042.61	9.07	115.941		
800.00	797.47	721.53	720.40	4.60	4.56	159.23	327.83	-958.71	1,054.59	1,045.42	9.17	115.023		
900.00	896.04	817.57	815.66	4.94	4.90	158.91	318.08	-966.01	1,074.09	1,064.28	9.82	109.432		
1,000.00	994.61	911.57	908.81	5.30	5.25	158.57	308.01	-973.64	1,093.92	1,083.42	10.50	104.147		
1,100.00	1,093.18	1,000.00	996.21	5.69	5.62	158.18	297.20	-981.63	1,114.21	1,103.00	11.21	99.364		
1,200.00	1,191.75	1,072.60	1,067.55	6.08	5.94	157.76	286.73	-990.02	1,136.21	1,124.32	11.89	95.564		
1,300.00	1,290.32	1,151.92	1,145.05	6.49	6.32	157.22	274.01	-1,001.09	1,160.08	1,147.46	12.63	91.862		
1,400.00	1,388.89	1,242.45	1,233.10	6.91	6.79	156.55	258.26	-1,015.05	1,185.07	1,171.62	13.46	88.058		
1,500.00	1,487.46	1,326.99	1,314.93	7.34	7.26	155.87	242.21	-1,029.00	1,210.85	1,196.56	14.29	84.760		
1,600.00	1,586.03	1,408.83	1,393.74	7.77	7.75	155.18	225.72	-1,043.60	1,237.78	1,222.66	15.12	81.854		
1,700.00	1,684.61	1,506.49	1,487.46	8.22	8.35	154.33	205.13	-1,061.77	1,265.44	1,249.35	16.09	78.647		
1,800.00	1,783.18	1,607.95	1,584.42	8.66	9.02	153.40	181.89	-1,080.58	1,292.90	1,275.78	17.12	75.520		
1,900.00	1,881.75	1,717.09	1,688.82	9.11	9.75	152.44	156.58	-1,099.80	1,319.70	1,301.47	18.23	72.394		
2,000.00	1,980.32	1,802.02	1,769.84	9.57	10.33	151.69	135.84	-1,114.64	1,346.44	1,327.27	19.17	70.229		
2,100.00	2,078.89	1,868.00	1,832.19	10.02	10.81	151.05	118.57	-1,127.55	1,375.08	1,355.11	19.97	68.847		
2,200.00	2,177.46	1,948.03	1,907.61	10.49	11.42	150.30	97.76	-1,144.38	1,405.44	1,384.54	20.90	67.250		
2,300.00	2,276.03	2,053.64	2,007.58	10.95	12.21	149.41	71.78	-1,166.38	1,436.11	1,414.06	22.05	65.140		
2,400.00	2,374.60	2,140.20	2,089.70	11.41	12.86	148.74	50.96	-1,184.17	1,466.81	1,443.79	23.02	63.713		
2,500.00	2,473.17	2,246.59	2,190.66	11.88	13.66	147.94	25.29	-1,205.77	1,497.49	1,473.31	24.18	61.931		
2,600.00	2,571.74	2,337.74	2,277.39	12.35	14.34	147.30	3.65	-1,223.59	1,527.71	1,502.51	25.20	60.628		
2,700.00	2,670.31	2,402.00	2,338.48	12.82	14.82	146.88	-11.09	-1,237.01	1,559.42	1,533.45	25.96	60.066		
2,800.00	2,768.88	2,519.16	2,449.87	13.29	15.71	146.15	-37.87	-1,261.52	1,591.32	1,564.10	27.22	58.458		
2,900.00	2,867.45	2,601.76	2,528.42	13.76	16.35	145.64	-57.14	-1,278.30	1,622.81	1,594.65	28.16	57.632		
3,000.00	2,966.02	2,665.00	2,588.32	14.24	16.84	145.27	-71.77	-1,292.32	1,656.10	1,627.20	28.90	57.295		
3,100.00	3,064.59	2,776.39	2,693.24	14.71	17.73	144.57	-99.04	-1,317.92	1,690.45	1,660.31	30.14	56.085		
3,200.00	3,163.16	2,941.81	2,850.66	15.19	19.01	143.63	-138.98	-1,349.25	1,720.46	1,688.58	31.88	53.972		
3,300.00	3,261.73	3,048.37	2,952.10	15.66	19.82	143.02	-165.80	-1,367.89	1,749.73	1,716.68	33.05	52.942		
3,400.00	3,360.30	3,149.59	3,048.78	16.14	20.57	142.48	-190.73	-1,384.49	1,778.08	1,743.91	34.16	52.048		
3,500.00	3,458.87	3,218.57	3,115.11	16.62	21.08	142.20	-205.57	-1,396.24	1,807.28	1,772.32	34.97	51.687		
3,600.00	3,557.44	3,285.00	3,178.79	17.10	21.56	141.94	-219.57	-1,408.94	1,838.40	1,802.67	35.73	51.453		
3,700.00	3,656.01	3,511.98	3,397.08	17.58	23.19	141.02	-270.01	-1,444.83	1,866.40	1,828.46	37.94	49.198		
3,800.00	3,754.58	3,594.76	3,476.70	18.06	23.77	140.65	-290.18	-1,455.13	1,891.38	1,852.50	38.88	48.647		
3,900.00	3,853.15	3,642.00	3,522.08	18.54	24.11	140.44	-301.59	-1,461.59	1,917.95	1,878.45	39.51	48.547		
4,000.00	3,951.72	3,709.68	3,586.80	19.02	24.62	140.14	-318.33	-1,472.16	1,946.34	1,906.03	40.31	48.282		
4,100.00	4,050.29	3,775.18	3,648.91	19.50	25.13	139.82	-335.50	-1,483.89	1,976.81	1,935.71	41.10	48.102		
4,200.00	4,148.86	3,854.46	3,723.59	19.98	25.78	139.40	-357.55	-1,498.78	2,008.32	1,966.30	42.02	47.791		
4,300.00	4,247.43	3,947.56	3,811.06	20.46	26.55	138.90	-383.99	-1,516.63	2,040.39	1,997.29	43.10	47.339		
4,400.00	4,346.00	4,052.65	3,909.89	20.94	27.42	138.37	-413.79	-1,536.30	2,072.14	2,027.84	44.30	46.777		
4,500.00	4,444.58	4,173.26	4,024.85	21.43	28.35	137.92	-442.79	-1,558.27	2,103.36	2,057.75	45.61	46.117		
4,600.00	4,543.15	4,224.04	4,073.77	21.91	28.72	137.81	-452.62	-1,567.72	2,134.80	2,088.61	46.19	46.214		
4,700.00	4,641.72	4,276.93	4,124.63	22.39	29.10	137.72	-461.97	-1,578.77	2,168.29	2,121.51	46.78	46.350		
4,800.00	4,740.29	4,376.82	4,220.23	22.87	29.84	137.51	-481.26	-1,600.41	2,202.68	2,154.83	47.84	46.040		
4,900.00	4,838.86	4,530.75	4,367.88	23.36	30.98	137.15	-512.40	-1,630.77	2,235.14	2,185.69	49.45	45.197		
5,000.00	4,937.43	4,820.55	4,650.05	23.84	32.85	136.73	-563.12	-1,671.62	2,261.38	2,209.31	52.07	43.431		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	5,036.00	4,904.15	4,732.42	24.32	33.31	136.70	-574.16	-1,680.72	2,285.05	2,232.12	52.93	43.172		
5,200.00	5,134.57	5,031.72	4,858.31	24.81	34.00	136.69	-589.77	-1,694.21	2,308.42	2,254.34	54.08	42.683		
5,300.00	5,233.14	5,260.50	5,085.44	25.29	35.09	136.84	-610.98	-1,710.74	2,328.47	2,272.72	55.75	41.763		
5,400.00	5,331.71	5,393.77	5,218.24	25.78	35.64	137.00	-620.50	-1,716.56	2,345.75	2,288.94	56.81	41.290		
5,500.00	5,430.28	5,555.45	5,379.69	26.26	36.22	137.26	-628.40	-1,719.00	2,359.76	2,301.83	57.93	40.735		
5,600.00	5,528.85	5,662.60	5,486.81	26.75	36.56	137.49	-631.24	-1,718.92	2,372.24	2,313.43	58.81	40.339		
5,700.00	5,627.42	5,752.63	5,576.79	27.23	36.85	137.68	-633.80	-1,719.20	2,385.17	2,325.54	59.63	40.000		
5,800.00	5,725.99	5,865.31	5,689.47	27.72	37.19	137.96	-634.71	-1,719.56	2,398.09	2,337.59	60.50	39.639		
5,900.00	5,824.56	5,947.09	5,771.23	28.20	37.40	138.22	-633.11	-1,719.77	2,410.93	2,349.69	61.24	39.369		
6,000.00	5,923.13	6,036.25	5,860.36	28.69	37.64	138.51	-631.21	-1,720.59	2,424.47	2,362.47	62.00	39.105		
6,100.00	6,021.70	6,134.01	5,958.09	29.17	37.90	138.82	-629.07	-1,721.65	2,438.26	2,375.47	62.79	38.834		
6,200.00	6,120.27	6,214.36	6,038.41	29.66	38.12	139.07	-627.22	-1,722.79	2,452.43	2,388.91	63.52	38.609		
6,238.51	6,158.23	6,248.69	6,072.73	29.84	38.22	139.18	-626.38	-1,723.44	2,458.10	2,394.28	63.81	38.520		
6,250.00	6,169.57	6,259.78	6,083.82	29.90	38.25	134.80	-626.11	-1,723.66	2,459.69	2,395.79	63.90	38.491		
6,300.00	6,219.12	6,308.30	6,132.32	30.13	38.39	105.99	-624.99	-1,724.61	2,464.25	2,399.96	64.29	38.330		
6,350.00	6,268.78	6,359.91	6,183.89	30.33	38.53	68.44	-623.79	-1,725.61	2,464.90	2,400.22	64.67	38.114		
6,400.00	6,318.25	6,411.87	6,235.83	30.52	38.68	43.83	-622.40	-1,726.57	2,461.59	2,396.56	65.03	37.850		
6,450.00	6,367.22	6,454.64	6,278.58	30.69	38.80	31.29	-621.30	-1,727.40	2,454.46	2,389.11	65.35	37.560		
6,500.00	6,415.39	6,498.33	6,322.25	30.86	38.93	24.47	-620.28	-1,728.34	2,443.58	2,377.93	65.65	37.222		
6,550.00	6,462.47	6,542.87	6,366.76	31.02	39.06	20.39	-619.37	-1,729.36	2,429.00	2,363.06	65.94	36.835		
6,600.00	6,508.16	6,586.39	6,410.27	31.18	39.20	17.78	-618.59	-1,730.41	2,410.79	2,344.57	66.22	36.407		
6,650.00	6,552.18	6,630.20	6,454.06	31.34	39.33	16.06	-617.87	-1,731.49	2,389.04	2,322.55	66.48	35.935		
6,700.00	6,594.26	6,672.20	6,496.04	31.51	39.46	14.91	-617.20	-1,732.54	2,363.85	2,297.13	66.73	35.425		
6,750.00	6,634.14	6,712.35	6,536.17	31.68	39.59	14.19	-616.52	-1,733.55	2,335.39	2,268.44	66.95	34.881		
6,800.00	6,671.58	6,750.14	6,573.94	31.86	39.70	13.79	-615.79	-1,734.50	2,303.83	2,236.67	67.16	34.305		
6,850.00	6,706.34	6,784.48	6,608.26	32.06	39.81	13.68	-615.03	-1,735.38	2,269.36	2,202.02	67.34	33.701		
6,900.00	6,738.21	6,815.68	6,639.44	32.27	39.90	13.83	-614.22	-1,736.19	2,232.21	2,164.71	67.49	33.072		
6,950.00	6,766.99	6,844.02	6,667.76	32.52	39.99	14.28	-613.39	-1,736.94	2,192.60	2,124.96	67.63	32.419		
7,000.00	6,792.51	6,868.91	6,692.63	32.80	40.06	15.08	-612.59	-1,737.61	2,150.77	2,083.02	67.75	31.745		
7,050.00	6,814.61	6,890.52	6,714.21	33.12	40.13	16.32	-611.89	-1,738.21	2,106.98	2,039.12	67.85	31.052		
7,100.00	6,833.15	6,908.91	6,732.59	33.48	40.18	18.23	-611.28	-1,738.74	2,061.48	1,993.54	67.94	30.344		
7,150.00	6,848.02	6,923.98	6,747.64	33.89	40.23	21.24	-610.77	-1,739.17	2,014.55	1,946.54	68.01	29.622		
7,200.00	6,859.13	6,935.61	6,759.26	34.35	40.26	26.27	-610.38	-1,739.52	1,966.47	1,898.41	68.07	28.891		
7,250.00	6,866.40	6,943.88	6,767.52	34.86	40.29	35.75	-610.10	-1,739.76	1,917.53	1,849.42	68.11	28.153		
7,300.00	6,869.79	6,949.37	6,773.01	35.40	40.30	57.02	-609.91	-1,739.93	1,868.02	1,799.87	68.15	27.410		
7,327.68	6,870.00	6,950.50	6,774.14	35.71	40.31	79.07	-609.87	-1,739.96	1,840.48	1,772.31	68.17	26.999		
7,400.00	6,868.97	6,951.66	6,775.29	36.61	40.31	79.46	-609.83	-1,739.99	1,768.47	1,700.26	68.21	25.927		
7,500.00	6,867.54	6,953.24	6,776.87	38.01	40.31	80.00	-609.78	-1,740.04	1,668.95	1,600.67	68.28	24.444		
7,600.00	6,866.12	6,954.79	6,778.42	39.58	40.32	80.52	-609.72	-1,740.09	1,569.48	1,501.13	68.36	22.961		
7,700.00	6,864.69	6,956.32	6,779.95	41.29	40.32	81.05	-609.67	-1,740.13	1,470.09	1,401.63	68.45	21.476		
7,800.00	6,863.27	6,957.83	6,781.46	43.12	40.33	81.56	-609.62	-1,740.17	1,370.78	1,302.20	68.57	19.990		
7,900.00	6,861.85	6,959.31	6,782.94	45.06	40.33	82.07	-609.57	-1,740.22	1,271.57	1,202.85	68.72	18.503		
8,000.00	6,860.42	6,960.77	6,784.40	47.10	40.34	82.57	-609.51	-1,740.26	1,172.51	1,103.59	68.91	17.014		
8,100.00	6,859.00	6,962.21	6,785.83	49.21	40.34	83.06	-609.46	-1,740.30	1,073.61	1,004.45	69.16	15.523		
8,200.00	6,857.57	6,963.63	6,787.25	51.40	40.34	83.55	-609.41	-1,740.34	974.93	905.45	69.49	14.030		
8,300.00	6,856.15	6,965.02	6,788.64	53.65	40.35	84.03	-609.36	-1,740.38	876.56	806.63	69.93	12.535		
8,400.00	6,854.72	6,966.40	6,790.02	55.96	40.35	84.50	-609.32	-1,740.42	778.59	708.05	70.54	11.037		
8,500.00	6,853.30	6,967.75	6,791.37	58.31	40.36	84.97	-609.27	-1,740.46	681.21	609.78	71.43	9.537		
8,600.00	6,851.88	6,969.08	6,792.70	60.70	40.36	85.43	-609.22	-1,740.49	584.72	511.95	72.77	8.035		
8,700.00	6,850.45	6,970.40	6,794.02	63.14	40.36	85.89	-609.17	-1,740.53	489.64	414.76	74.88	6.539		
8,800.00	6,849.03	6,971.70	6,795.31	65.60	40.37	86.34	-609.13	-1,740.57	396.97	318.59	78.37	5.065		
8,900.00	6,847.60	6,972.97	6,796.59	68.10	40.37	86.78	-609.08	-1,740.60	308.90	224.48	84.42	3.659		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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		
9,000.00	6,846.18	6,974.23	6,797.84	70.62	40.38	87.21	-609.04	-1,740.64	230.76	136.08	94.68	2.437		
9,100.00	6,844.75	6,975.47	6,799.09	73.17	40.38	87.64	-608.99	-1,740.67	176.30	68.94	107.36	1.642		
9,160.87	6,843.89	6,976.22	6,799.83	74.73	40.38	87.90	-608.97	-1,740.69	165.46	55.66	109.80	1.507	CC, ES, SF	
9,200.00	6,843.33	6,976.70	6,800.31	75.73	40.38	88.07	-608.95	-1,740.71	170.02	62.76	107.27	1.585		
9,300.00	6,841.91	6,977.91	6,801.51	78.32	40.39	88.49	-608.91	-1,740.74	216.17	121.51	94.66	2.284		
9,400.00	6,840.48	6,979.10	6,802.70	80.92	40.39	88.90	-608.86	-1,740.77	290.78	205.82	84.96	3.423		
9,500.00	6,839.06	6,980.27	6,803.88	83.54	40.39	89.30	-608.82	-1,740.80	377.32	297.97	79.35	4.755		
9,600.00	6,837.63	6,981.43	6,805.03	86.18	40.40	89.70	-608.78	-1,740.84	469.24	393.17	76.07	6.168		
9,700.00	6,836.21	6,982.57	6,806.17	88.82	40.40	90.10	-608.74	-1,740.87	563.91	489.85	74.06	7.614		
9,800.00	6,834.78	6,983.70	6,807.30	91.48	40.40	90.49	-608.70	-1,740.90	660.16	587.40	72.76	9.074		
9,900.00	6,833.36	6,984.81	6,808.41	94.15	40.41	90.87	-608.66	-1,740.93	757.37	685.50	71.87	10.538		
10,000.00	6,831.94	6,985.91	6,809.51	96.83	40.41	91.25	-608.62	-1,740.96	855.23	783.98	71.25	12.003		
10,100.00	6,830.51	6,986.99	6,810.59	99.52	40.41	91.63	-608.58	-1,740.99	953.53	882.73	70.80	13.467		
10,200.00	6,829.09	6,988.06	6,811.66	102.22	40.42	91.99	-608.54	-1,741.02	1,052.15	981.68	70.47	14.930		
10,300.00	6,827.66	6,989.11	6,812.71	104.92	40.42	92.36	-608.50	-1,741.04	1,151.01	1,080.78	70.23	16.390		
10,400.00	6,826.24	6,990.15	6,813.75	107.63	40.42	92.72	-608.46	-1,741.07	1,250.05	1,180.01	70.04	17.848		
10,500.00	6,824.81	6,991.18	6,814.78	110.35	40.43	93.07	-608.43	-1,741.10	1,349.22	1,279.33	69.90	19.303		
10,600.00	6,823.39	6,992.20	6,815.79	113.08	40.43	93.42	-608.39	-1,741.13	1,448.51	1,378.73	69.79	20.757		
10,700.00	6,821.96	6,993.20	6,816.79	115.81	40.43	93.76	-608.35	-1,741.15	1,547.90	1,478.19	69.70	22.207		
10,800.00	6,820.54	6,994.19	6,817.78	118.54	40.43	94.10	-608.32	-1,741.18	1,647.35	1,577.71	69.64	23.655		
10,900.00	6,819.12	6,995.16	6,818.75	121.29	40.44	94.43	-608.28	-1,741.20	1,746.87	1,677.28	69.59	25.101		
11,000.00	6,817.69	6,996.13	6,819.72	124.03	40.44	94.76	-608.24	-1,741.23	1,846.44	1,776.88	69.56	26.544		
11,100.00	6,816.27	6,997.08	6,820.67	126.78	40.44	95.09	-608.21	-1,741.25	1,946.05	1,876.51	69.54	27.984		
11,200.00	6,814.84	6,998.02	6,821.61	129.54	40.45	95.41	-608.17	-1,741.28	2,045.70	1,976.17	69.53	29.422		
11,300.00	6,813.42	6,998.95	6,822.54	132.29	40.45	95.72	-608.14	-1,741.30	2,145.38	2,075.86	69.53	30.857		
11,400.00	6,811.99	6,999.87	6,823.46	135.05	40.45	96.04	-608.11	-1,741.33	2,245.09	2,175.56	69.53	32.290		
11,500.00	6,810.57	7,000.78	6,824.36	137.82	40.45	96.34	-608.07	-1,741.35	2,344.83	2,275.29	69.54	33.720		
11,534.42	6,810.08	7,001.09	6,824.67	138.77	40.46	96.45	-608.06	-1,741.36	2,379.16	2,309.62	69.54	34.212		
11,600.00	6,809.15	7,001.70	6,825.28	140.59	40.46	96.03	-608.04	-1,741.37	2,444.52	2,374.98	69.55	35.148		
11,645.35	6,808.50	7,002.14	6,825.73	141.85	40.46	94.39	-608.02	-1,741.39	2,489.66	2,420.11	69.55	35.796		
11,700.00	6,807.72	7,002.69	6,826.28	143.37	40.46	94.51	-608.00	-1,741.40	2,544.01	2,474.46	69.55	36.576		
11,800.00	6,806.30	7,003.69	6,827.27	146.16	40.46	94.73	-607.96	-1,741.43	2,643.50	2,573.94	69.56	38.001		
11,900.00	6,804.88	7,004.68	6,828.26	148.94	40.47	94.95	-607.93	-1,741.45	2,743.03	2,673.45	69.58	39.423		
12,000.00	6,803.45	7,005.65	6,829.23	151.74	40.47	95.16	-607.89	-1,741.48	2,842.59	2,772.99	69.60	40.842		
12,100.00	6,802.03	7,006.61	6,830.19	154.53	40.47	95.37	-607.86	-1,741.50	2,942.18	2,872.56	69.62	42.258		
12,200.00	6,800.61	7,007.56	6,831.14	157.32	40.47	95.57	-607.82	-1,741.53	3,041.80	2,972.15	69.65	43.671		
12,300.00	6,799.18	7,008.51	6,832.08	160.12	40.48	95.78	-607.78	-1,741.55	3,141.44	3,071.76	69.69	45.081		
12,400.00	6,797.76	7,009.44	6,833.01	162.92	40.48	95.98	-607.75	-1,741.57	3,241.10	3,171.38	69.72	46.487		
12,500.00	6,796.34	7,010.36	6,833.93	165.72	40.48	96.18	-607.72	-1,741.60	3,340.79	3,271.03	69.76	47.890		
12,600.00	6,794.92	7,011.27	6,834.84	168.53	40.49	96.38	-607.68	-1,741.62	3,440.49	3,370.69	69.80	49.290		
12,700.00	6,793.49	7,012.17	6,835.74	171.33	40.49	96.57	-607.65	-1,741.64	3,540.21	3,470.36	69.84	50.687		
12,800.00	6,792.07	7,013.06	6,836.63	174.14	40.49	96.76	-607.61	-1,741.66	3,639.94	3,570.05	69.89	52.081		
12,900.00	6,790.65	7,013.94	6,837.51	176.95	40.49	96.95	-607.58	-1,741.69	3,739.68	3,669.75	69.94	53.471		
13,000.00	6,789.22	7,014.81	6,838.38	179.76	40.50	97.14	-607.55	-1,741.71	3,839.44	3,769.46	69.99	54.858		
13,100.00	6,787.80	7,015.67	6,839.24	182.57	40.50	97.33	-607.52	-1,741.73	3,939.22	3,869.17	70.04	56.241		
13,200.00	6,786.38	7,016.53	6,840.10	185.38	40.50	97.51	-607.48	-1,741.75	4,039.00	3,968.90	70.10	57.621		
13,300.00	6,784.95	7,017.37	6,840.94	188.20	40.50	97.69	-607.45	-1,741.77	4,138.79	4,068.64	70.15	58.998		
13,400.00	6,783.53	7,018.21	6,841.77	191.01	40.51	97.87	-607.42	-1,741.79	4,238.59	4,168.38	70.21	60.371		
13,500.00	6,782.11	7,019.03	6,842.60	193.83	40.51	98.05	-607.39	-1,741.81	4,338.40	4,268.14	70.27	61.741		
13,600.00	6,780.68	7,019.85	6,843.42	196.65	40.51	98.22	-607.36	-1,741.83	4,438.22	4,367.90	70.33	63.107		
13,700.00	6,779.26	7,020.66	6,844.22	199.47	40.51	98.39	-607.33	-1,741.85	4,538.05	4,467.66	70.39	64.470		
13,800.00	6,777.84	7,021.46	6,845.02	202.29	40.52	98.56	-607.30	-1,741.87	4,637.89	4,567.43	70.45	65.829		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,776.42	7,022.25	6,845.82	205.11	40.52	98.73	-607.27	-1,741.89	4,737.73	4,667.21	70.52	67.185		
14,000.00	6,774.99	7,023.04	6,846.60	207.93	40.52	98.90	-607.24	-1,741.91	4,837.58	4,766.99	70.58	68.537		
14,100.00	6,773.57	7,023.81	6,847.37	210.76	40.52	99.07	-607.21	-1,741.93	4,937.43	4,866.78	70.65	69.885		
14,200.00	6,772.15	7,024.58	6,848.14	213.58	40.52	99.23	-607.18	-1,741.95	5,037.29	4,966.57	70.72	71.230		
14,300.00	6,770.72	7,030.00	6,853.56	216.40	40.54	100.37	-606.97	-1,742.08	5,137.16	5,066.36	70.80	72.562		
14,400.00	6,769.30	7,030.00	6,853.56	219.23	40.54	100.37	-606.97	-1,742.08	5,237.02	5,166.16	70.87	73.900		
14,500.00	6,767.88	7,030.00	6,853.56	222.06	40.54	100.37	-606.97	-1,742.08	5,336.90	5,265.96	70.94	75.235		
14,600.00	6,766.45	7,030.00	6,853.56	224.89	40.54	100.37	-606.97	-1,742.08	5,436.78	5,365.77	71.01	76.566		
14,700.00	6,765.03	7,030.00	6,853.56	227.71	40.54	100.37	-606.97	-1,742.08	5,536.66	5,465.58	71.08	77.893		
14,800.00	6,763.61	7,030.00	6,853.56	230.54	40.54	100.37	-606.97	-1,742.08	5,636.55	5,565.39	71.15	79.216		
14,900.00	6,762.19	7,030.00	6,853.56	233.37	40.54	100.37	-606.97	-1,742.08	5,736.44	5,665.21	71.23	80.536		
15,000.00	6,760.76	7,030.63	6,854.18	236.20	40.54	100.51	-606.94	-1,742.09	5,836.33	5,765.03	71.30	81.850		
15,100.00	6,759.34	7,031.60	6,855.15	239.03	40.55	100.71	-606.91	-1,742.12	5,936.23	5,864.85	71.38	83.160		
15,200.00	6,757.92	7,032.56	6,856.12	241.86	40.55	100.91	-606.87	-1,742.14	6,036.13	5,964.67	71.46	84.466		
15,300.00	6,756.49	7,033.53	6,857.08	244.70	40.55	101.12	-606.83	-1,742.16	6,136.04	6,064.49	71.54	85.768		
15,334.64	6,756.00	7,033.86	6,857.41	245.68	40.55	101.19	-606.82	-1,742.17	6,170.64	6,099.07	71.57	86.218		
15,335.52	6,755.99	7,033.87	6,857.42	245.70	40.55	101.19	-606.82	-1,742.17	6,171.52	6,099.95	71.57	86.229		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	-72.66	286.73	-918.07	962.51					
100.00	100.00	60.60	60.60	3.28	3.29	-72.65	286.77	-918.12	961.86	955.29	6.57	146.338		
200.00	200.00	155.48	155.47	3.34	3.34	-72.64	287.11	-918.52	962.38	955.70	6.68	144.050		
300.00	300.00	268.81	268.80	3.44	3.47	-72.69	286.44	-918.94	962.57	955.65	6.91	139.224		
400.00	399.98	466.97	466.24	3.60	3.85	156.65	272.86	-913.40	960.45	952.94	7.52	127.763		
500.00	499.84	590.15	587.52	3.79	4.19	155.97	254.29	-902.57	952.26	944.20	8.06	118.122		
600.00	599.45	686.75	682.62	4.03	4.53	155.52	239.74	-893.83	947.31	938.73	8.58	110.388		
687.18	686.00	770.06	764.70	4.26	4.85	155.19	227.59	-886.44	945.90	936.81	9.09	104.038		
700.00	698.70	783.07	777.53	4.30	4.90	155.14	225.71	-885.31	945.93	936.76	9.17	103.104		
785.00	782.69	870.36	863.51	4.56	5.27	154.84	212.72	-877.70	947.30	937.55	9.76	97.091		
800.00	797.47	885.76	878.67	4.60	5.34	154.79	210.37	-876.35	947.73	937.86	9.86	96.074		
900.00	896.04	1,024.05	1,013.81	4.94	6.01	154.09	184.57	-862.74	948.66	937.85	10.81	87.736		
1,000.00	994.61	1,163.44	1,148.24	5.30	6.80	153.08	152.50	-844.60	945.41	933.54	11.86	79.703		
1,100.00	1,093.18	1,274.32	1,254.01	5.69	7.52	152.10	123.65	-828.05	939.69	926.85	12.84	73.195		
1,200.00	1,191.75	1,381.10	1,355.34	6.08	8.25	151.08	94.55	-811.14	933.01	919.17	13.85	67.384		
1,300.00	1,290.32	1,481.15	1,450.28	6.49	8.96	150.13	67.56	-794.74	926.12	911.27	14.85	62.357		
1,400.00	1,388.89	1,585.57	1,549.49	6.91	9.72	149.17	40.11	-777.22	919.24	903.33	15.91	57.772		
1,500.00	1,487.46	1,678.37	1,637.61	7.34	10.40	148.30	15.64	-761.48	912.41	895.47	16.93	53.887		
1,600.00	1,586.03	1,784.68	1,738.69	7.77	11.19	147.32	-11.94	-743.48	905.91	887.86	18.05	50.183		
1,700.00	1,684.61	1,875.49	1,825.27	8.22	11.86	146.53	-34.51	-727.97	899.67	880.58	19.09	47.126		
1,800.00	1,783.18	1,971.21	1,916.85	8.66	12.56	145.76	-57.24	-711.86	894.04	873.88	20.16	44.342		
1,900.00	1,881.75	2,056.91	1,998.70	9.11	13.19	144.98	-78.81	-698.45	889.59	868.38	21.21	41.948		
2,000.00	1,980.32	2,140.95	2,078.98	9.57	13.81	144.15	-100.73	-686.81	887.05	864.78	22.27	39.839		
2,100.00	2,078.89	2,245.87	2,179.39	10.02	14.58	143.13	-127.79	-672.81	885.34	861.87	23.47	37.725		
2,200.00	2,177.46	2,355.13	2,283.90	10.49	15.39	142.11	-155.26	-656.72	882.50	857.80	24.70	35.727		
2,300.00	2,276.03	2,452.36	2,376.91	10.95	16.11	141.20	-179.57	-642.15	879.68	853.81	25.87	34.003		
2,400.00	2,374.60	2,550.84	2,471.09	11.41	16.84	140.27	-204.39	-627.59	877.28	850.22	27.06	32.419		
2,500.00	2,473.17	2,643.34	2,559.50	11.88	17.54	139.37	-228.01	-614.14	875.37	847.14	28.23	31.005		
2,600.00	2,571.74	2,747.21	2,658.10	12.35	18.35	138.17	-257.18	-599.41	874.07	844.53	29.53	29.596		
2,700.00	2,670.31	2,851.40	2,758.85	12.82	19.18	136.97	-286.44	-583.67	872.18	841.33	30.85	28.272		
2,800.00	2,768.88	2,939.05	2,840.63	13.29	19.84	136.11	-308.75	-570.91	871.10	839.08	32.02	27.205		
2,826.26	2,794.77	2,962.54	2,863.13	13.41	20.02	135.88	-314.71	-567.66	871.05	838.72	32.33	26.943		
2,900.00	2,867.45	3,030.07	2,927.49	13.76	20.54	135.15	-333.04	-558.64	871.41	838.19	33.22	26.229		
3,000.00	2,966.02	3,131.46	3,024.10	14.24	21.31	134.04	-360.68	-545.15	872.25	837.73	34.52	25.268		
3,100.00	3,064.59	3,248.00	3,136.31	14.71	22.13	132.58	-385.69	-530.47	872.45	837.69	35.76	24.254		
3,200.00	3,163.16	3,348.00	3,236.31	15.19	22.67	132.58	-408.69	-514.47	872.62	837.56	36.95	23.243		
3,283.77	3,245.73	3,448.00	3,336.31	15.59	23.13	132.58	-431.69	-499.47	872.79	837.43	38.14	22.232		
3,300.00	3,261.73	3,468.00	3,356.31	15.66	23.13	132.58	-454.69	-484.47	872.96	837.30	39.33	21.221		
3,400.00	3,360.30	3,568.00	3,456.31	16.14	23.23	132.22	-477.69	-469.47	873.13	837.17	40.52	20.210		
3,500.00	3,458.87	3,668.00	3,556.31	16.62	23.33	132.74	-499.69	-454.47	873.30	837.04	41.71	19.199		
3,600.00	3,557.44	3,768.00	3,656.31	17.10	23.43	132.19	-521.69	-439.47	873.47	836.91	42.90	18.188		
3,700.00	3,656.01	3,868.00	3,756.31	17.58	23.53	131.65	-543.69	-424.47	873.64	836.78	44.09	17.177		
3,800.00	3,754.58	3,968.00	3,856.31	18.06	23.63	131.28	-565.69	-409.47	873.81	836.65	45.28	16.166		
3,900.00	3,853.15	4,068.00	3,956.31	18.54	23.73	131.13	-587.69	-394.47	873.98	836.52	46.47	15.155		
4,000.00	3,951.72	4,168.00	4,056.31	19.02	23.83	131.14	-609.69	-379.47	874.15	836.39	47.66	14.144		
4,100.00	4,050.29	4,268.00	4,156.31	19.50	23.93	131.30	-631.69	-364.47	874.32	836.26	48.85	13.133		
4,200.00	4,148.86	4,368.00	4,256.31	19.98	24.03	131.62	-653.69	-349.47	874.49	836.13	50.04	12.122		
4,300.00	4,247.43	4,468.00	4,356.31	20.46	24.13	132.11	-675.69	-334.47	874.66	836.00	51.23	11.111		
4,400.00	4,346.00	4,568.00	4,456.31	20.94	24.23	132.70	-697.69	-319.47	874.83	835.87	52.42	10.100		
4,500.00	4,444.58	4,668.00	4,556.31	21.43	24.33	133.46	-719.69	-304.47	875.00	835.74	53.61	9.089		
4,600.00	4,543.15	4,768.00	4,656.31	21.91	24.43	134.32	-741.69	-289.47	875.17	835.61	54.80	8.078		
4,700.00	4,641.72	4,868.00	4,756.31	22.39	24.53	135.18	-763.69	-274.47	875.34	835.48	56.00	7.067		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	4,740.29	4,969.12	4,691.57	22.87	31.27	126.07	-675.35	-350.76	924.55	871.40	53.14	17.397		
4,900.00	4,838.86	5,067.64	4,790.07	23.36	31.52	126.99	-674.14	-352.32	935.94	882.17	53.78	17.404		
5,000.00	4,937.43	5,158.12	4,880.51	23.84	31.74	127.85	-672.56	-354.22	947.98	893.63	54.35	17.443		
5,100.00	5,036.00	5,256.43	4,978.77	24.32	31.98	128.79	-670.51	-356.74	960.63	905.66	54.97	17.476		
5,200.00	5,134.57	5,355.69	5,078.00	24.81	32.23	129.64	-669.62	-358.95	973.42	917.79	55.62	17.500		
5,300.00	5,233.14	5,454.53	5,176.82	25.29	32.50	130.41	-669.64	-360.99	986.39	930.09	56.29	17.522		
5,400.00	5,331.71	5,559.47	5,281.73	25.78	32.78	131.28	-668.35	-362.98	999.20	942.20	56.99	17.532		
5,500.00	5,430.28	5,668.64	5,390.86	26.26	33.07	132.21	-665.94	-364.17	1,011.29	953.58	57.71	17.524		
5,600.00	5,528.85	5,761.82	5,484.01	26.75	33.32	133.01	-663.40	-364.79	1,023.13	964.82	58.31	17.545		
5,700.00	5,627.42	5,854.19	5,576.35	27.23	33.57	133.76	-661.38	-366.02	1,035.89	976.97	58.92	17.582		
5,800.00	5,725.99	5,970.21	5,692.36	27.72	33.93	134.55	-661.24	-366.84	1,048.44	988.68	59.76	17.545		
5,900.00	5,824.56	6,081.49	5,803.60	28.20	34.33	135.14	-663.65	-365.26	1,059.13	998.51	60.62	17.472		
6,000.00	5,923.13	6,170.82	5,892.91	28.69	34.65	135.63	-665.09	-364.21	1,070.15	1,008.84	61.31	17.455		
6,100.00	6,021.70	6,265.33	5,987.42	29.17	34.96	136.21	-665.32	-363.89	1,082.01	1,020.00	62.01	17.449		
6,200.00	6,120.27	6,357.84	6,079.93	29.66	35.26	136.79	-665.27	-363.74	1,094.16	1,031.48	62.68	17.456		
6,238.51	6,158.23	6,390.45	6,112.54	29.84	35.37	136.99	-665.11	-363.93	1,099.14	1,036.23	62.91	17.471		
6,250.00	6,169.57	6,400.18	6,122.26	29.90	35.40	132.64	-665.04	-364.01	1,100.57	1,037.59	62.98	17.475		
6,300.00	6,219.12	6,444.47	6,166.55	30.13	35.53	103.98	-664.54	-364.55	1,104.52	1,041.25	63.27	17.457		
6,350.00	6,268.78	6,488.84	6,210.91	30.33	35.65	66.58	-663.66	-365.31	1,104.83	1,041.29	63.54	17.388		
6,400.00	6,318.25	6,532.80	6,254.84	30.52	35.78	42.11	-662.50	-366.29	1,101.49	1,037.71	63.78	17.271		
6,450.00	6,367.22	6,576.38	6,298.39	30.69	35.90	29.74	-661.15	-367.47	1,094.53	1,030.55	63.99	17.105		
6,500.00	6,415.39	6,620.61	6,342.56	30.86	36.02	23.11	-659.59	-368.87	1,083.98	1,019.79	64.19	16.887		
6,550.00	6,462.47	6,664.12	6,386.01	31.02	36.14	19.22	-657.90	-370.40	1,069.84	1,005.47	64.37	16.620		
6,600.00	6,508.16	6,726.05	6,447.86	31.18	36.31	17.01	-655.33	-372.30	1,051.86	987.14	64.72	16.253		
6,650.00	6,552.18	6,782.75	6,504.51	31.34	36.47	15.69	-653.02	-373.13	1,029.58	964.57	65.01	15.838		
6,700.00	6,594.26	6,829.17	6,550.90	31.51	36.61	14.88	-651.65	-373.50	1,003.64	938.43	65.21	15.391		
6,750.00	6,634.14	6,868.86	6,590.58	31.68	36.73	14.45	-650.96	-373.70	974.36	909.00	65.36	14.908		
6,800.00	6,671.58	6,902.43	6,624.15	31.86	36.84	14.33	-650.69	-373.99	942.17	876.72	65.46	14.394		
6,850.00	6,706.34	6,933.98	6,655.70	32.06	36.94	14.53	-650.71	-374.40	907.28	841.74	65.53	13.844		
6,900.00	6,738.21	6,962.09	6,683.81	32.27	37.03	15.06	-650.86	-374.89	869.88	804.30	65.58	13.264		
6,950.00	6,766.99	6,987.55	6,709.26	32.52	37.11	15.99	-650.95	-375.47	830.21	764.61	65.61	12.654		
7,000.00	6,792.51	7,010.55	6,732.26	32.80	37.18	17.44	-650.99	-376.10	788.48	722.87	65.61	12.017		
7,050.00	6,814.61	7,031.01	6,752.71	33.12	37.25	19.60	-650.97	-376.75	744.90	679.31	65.60	11.356		
7,100.00	6,833.15	7,049.17	6,770.85	33.48	37.30	22.85	-650.91	-377.38	699.70	634.14	65.57	10.672		
7,150.00	6,848.02	7,064.22	6,785.89	33.89	37.35	27.76	-650.81	-377.93	653.14	587.62	65.52	9.969		
7,200.00	6,859.13	7,076.03	6,797.69	34.35	37.38	35.44	-650.71	-378.39	605.47	540.02	65.45	9.250		
7,250.00	6,866.40	7,084.48	6,806.14	34.86	37.41	47.81	-650.61	-378.73	556.99	491.62	65.37	8.520		
7,300.00	6,869.79	7,089.48	6,811.13	35.40	37.43	67.10	-650.55	-378.93	507.99	442.71	65.28	7.782		
7,327.68	6,870.00	7,090.71	6,812.36	35.71	37.43	80.52	-650.54	-378.98	480.75	415.53	65.22	7.371		
7,400.00	6,868.97	7,092.53	6,814.18	36.61	37.43	81.74	-650.51	-379.06	409.75	344.70	65.05	6.299		
7,500.00	6,867.54	7,095.10	6,816.75	38.01	37.44	83.48	-650.48	-379.17	312.54	247.78	64.76	4.826		
7,600.00	6,866.12	7,097.73	6,819.37	39.58	37.45	85.28	-650.44	-379.28	217.84	153.32	64.53	3.376		
7,700.00	6,864.69	7,100.43	6,822.07	41.29	37.46	87.13	-650.40	-379.39	131.20	65.70	65.50	2.003		
7,800.00	6,863.27	7,103.20	6,824.83	43.12	37.47	89.03	-650.36	-379.51	83.41	8.69	74.72	1.116 Level 2		
7,801.32	6,863.25	7,103.23	6,824.87	43.15	37.47	89.05	-650.36	-379.51	83.40	8.52	74.88	1.114 Level 2, CC, ES, SF		
7,900.00	6,861.85	7,106.04	6,827.67	45.06	37.48	90.97	-650.32	-379.63	129.17	53.77	75.40	1.713		
8,000.00	6,860.42	7,108.95	6,830.58	47.10	37.48	92.97	-650.27	-379.76	215.40	143.60	71.79	3.000		
8,100.00	6,859.00	7,111.94	6,833.57	49.21	37.49	95.01	-650.22	-379.89	309.99	239.88	70.10	4.422		
8,200.00	6,857.57	7,115.01	6,836.63	51.40	37.50	97.08	-650.17	-380.03	407.14	337.91	69.23	5.881		
8,300.00	6,856.15	7,118.17	6,839.79	53.65	37.51	99.19	-650.11	-380.17	505.39	436.68	68.72	7.354		
8,400.00	6,854.72	7,121.69	6,843.30	55.96	37.52	101.52	-650.05	-380.33	604.20	535.82	68.39	8.835		
8,500.00	6,853.30	7,125.56	6,847.17	58.31	37.53	104.02	-649.97	-380.52	703.33	635.17	68.16	10.319		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6A-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 34N-6A-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	6,851.88	7,129.76	6,851.36	60.70	37.55	106.67	-649.88	-380.72	802.66	734.67	67.99	11.805		
8,700.00	6,850.45	7,134.31	6,855.91	63.14	37.56	109.45	-649.77	-380.94	902.12	834.25	67.87	13.292		
8,800.00	6,849.03	7,139.27	6,860.86	65.60	37.57	112.37	-649.65	-381.20	1,001.67	933.89	67.78	14.778		
8,900.00	6,847.60	7,144.69	6,866.27	68.10	37.59	115.41	-649.50	-381.48	1,101.29	1,033.58	67.71	16.265		
9,000.00	6,846.18	7,150.65	6,872.22	70.62	37.60	118.56	-649.33	-381.81	1,200.95	1,133.29	67.65	17.751		
9,100.00	6,844.75	7,157.21	6,878.77	73.17	37.62	121.81	-649.13	-382.18	1,300.64	1,233.03	67.61	19.236		
9,200.00	6,843.33	7,164.49	6,886.03	75.73	37.64	125.15	-648.88	-382.61	1,400.35	1,332.77	67.58	20.721		
9,300.00	6,841.91	7,172.61	6,894.12	78.32	37.67	128.53	-648.58	-383.11	1,500.09	1,432.53	67.56	22.204		
9,400.00	6,840.48	7,181.71	6,903.20	80.92	37.69	131.95	-648.22	-383.70	1,599.82	1,532.28	67.54	23.686		
9,500.00	6,839.06	7,191.98	6,913.44	83.54	37.72	135.37	-647.77	-384.40	1,699.56	1,632.03	67.53	25.166		
9,600.00	6,837.63	7,203.69	6,925.10	86.18	37.75	138.76	-647.21	-385.23	1,799.30	1,731.77	67.53	26.644		
9,700.00	6,836.21	7,217.12	6,938.48	88.82	37.79	142.10	-646.51	-386.24	1,899.03	1,831.50	67.53	28.121		
9,800.00	6,834.78	7,230.00	6,952.34	91.48	37.83	145.45	-645.79	-387.35	1,998.72	1,923.18	67.54	29.600		
9,900.00	6,833.36	7,243.63	6,966.93	94.15	37.87	148.75	-645.04	-388.51	2,098.46	2,023.96	67.58	31.051		
10,000.00	6,831.94	7,258.40	6,983.74	96.83	37.90	152.00	-644.25	-389.80	2,198.31	2,120.70	67.61	32.515		
10,100.00	6,830.51	7,273.66	6,997.38	99.52	37.94	155.20	-643.41	-391.19	2,298.09	2,220.46	67.64	33.976		
10,200.00	6,829.09	7,289.61	6,950.92	102.22	37.82	144.77	-645.88	-387.11	2,397.89	2,330.22	67.67	35.436		
10,300.00	6,827.66	7,233.05	6,954.35	104.92	37.83	145.45	-645.70	-387.35	2,497.69	2,429.99	67.70	36.893		
10,400.00	6,826.24	7,236.40	6,957.69	107.63	37.84	146.08	-645.53	-387.58	2,597.50	2,529.76	67.74	38.348		
10,500.00	6,824.81	7,239.66	6,960.93	110.35	37.85	146.67	-645.36	-387.80	2,697.31	2,629.54	67.77	39.800		
10,600.00	6,823.39	7,242.82	6,964.09	113.08	37.86	147.23	-645.20	-388.01	2,797.14	2,729.33	67.81	41.250		
10,700.00	6,821.96	7,245.90	6,967.16	115.81	37.87	147.75	-645.04	-388.21	2,896.97	2,829.12	67.85	42.698		
10,800.00	6,820.54	7,248.90	6,970.14	118.54	37.88	148.25	-644.89	-388.41	2,996.81	2,928.92	67.89	44.142		
10,900.00	6,819.12	7,251.82	6,973.05	121.29	37.88	148.71	-644.74	-388.60	3,096.65	3,028.72	67.93	45.585		
11,000.00	6,817.69	7,254.66	6,975.88	124.03	37.89	149.15	-644.59	-388.78	3,196.50	3,128.52	67.98	47.024		
11,100.00	6,816.27	7,257.42	6,978.63	126.78	37.90	149.57	-644.45	-388.96	3,296.35	3,228.33	68.02	48.461		
11,200.00	6,814.84	7,260.12	6,981.32	129.54	37.91	149.96	-644.31	-389.13	3,396.21	3,328.14	68.07	49.895		
11,300.00	6,813.42	7,262.74	6,983.94	132.29	37.91	150.34	-644.18	-389.29	3,496.07	3,427.96	68.11	51.327		
11,400.00	6,811.99	7,265.30	6,986.49	135.05	37.92	150.70	-644.04	-389.45	3,595.94	3,527.78	68.16	52.755		
11,500.00	6,810.57	7,267.80	6,988.98	137.82	37.93	151.04	-643.91	-389.61	3,695.81	3,627.60	68.21	54.181		
11,534.42	6,810.08	7,268.65	6,989.83	138.77	37.93	151.15	-643.87	-389.66	3,730.19	3,661.96	68.23	54.671		
11,600.00	6,809.15	7,270.26	6,991.43	140.59	37.93	153.18	-643.79	-389.76	3,795.66	3,727.40	68.26	55.605		
11,645.35	6,808.50	7,271.39	6,992.56	141.85	37.94	154.15	-643.73	-389.82	3,840.91	3,772.63	68.28	56.251		
11,700.00	6,807.72	7,272.74	6,993.90	143.37	37.94	155.36	-643.66	-389.90	3,895.40	3,827.10	68.30	57.031		
11,800.00	6,806.30	7,275.17	6,996.32	146.16	37.95	157.74	-643.54	-390.05	3,995.13	3,926.78	68.35	58.454		
11,900.00	6,804.88	7,277.54	6,998.69	148.94	37.95	160.10	-643.41	-390.19	4,094.87	4,026.47	68.39	59.874		
12,000.00	6,803.45	7,279.85	7,000.99	151.74	37.96	162.45	-643.29	-390.33	4,194.61	4,126.18	68.44	61.291		
12,100.00	6,802.03	7,297.00	7,018.09	154.53	38.01	165.93	-642.41	-391.29	4,294.42	4,225.92	68.50	62.695		
12,200.00	6,800.61	7,297.00	7,018.09	157.32	38.01	168.93	-642.41	-391.29	4,394.17	4,325.63	68.55	64.106		
12,300.00	6,799.18	7,297.00	7,018.09	160.12	38.01	171.93	-642.41	-391.29	4,493.94	4,425.34	68.59	65.514		
12,400.00	6,797.76	7,297.00	7,018.09	162.92	38.01	174.93	-642.41	-391.29	4,593.71	4,525.07	68.65	66.920		
12,500.00	6,796.34	7,297.00	7,018.09	165.72	38.01	177.93	-642.41	-391.29	4,693.49	4,624.80	68.70	68.322		
12,600.00	6,794.92	7,297.00	7,018.09	168.53	38.01	180.93	-642.41	-391.29	4,793.29	4,724.54	68.75	69.721		
12,700.00	6,793.49	7,297.00	7,018.09	171.33	38.01	183.93	-642.41	-391.29	4,893.09	4,824.28	68.80	71.117		
12,800.00	6,792.07	7,297.00	7,018.09	174.14	38.01	186.93	-642.41	-391.29	4,992.89	4,924.04	68.86	72.510		
12,900.00	6,790.65	7,301.31	7,022.39	176.95	38.02	189.93	-642.19	-391.53	5,092.71	5,023.79	68.92	73.894		
13,000.00	6,789.22	7,306.82	7,027.88	179.76	38.03	192.93	-641.90	-391.83	5,192.53	5,123.54	68.98	75.273		
13,100.00	6,787.80	7,312.40	7,033.45	182.57	38.05	195.93	-641.61	-392.14	5,292.35	5,223.30	69.05	76.648		
13,200.00	6,786.38	7,318.07	7,039.10	185.38	38.06	198.93	-641.30	-392.45	5,392.17	5,323.06	69.11	78.018		
13,300.00	6,784.95	7,323.82	7,044.83	188.20	38.08	201.93	-640.99	-392.77	5,491.99	5,422.81	69.18	79.384		
13,400.00	6,783.53	7,329.65	7,050.65	191.01	38.10	204.93	-640.67	-393.10	5,591.82	5,522.57	69.25	80.745		
13,500.00	6,782.11	7,335.57	7,056.55	193.83	38.11	207.93	-640.35	-393.43	5,691.65	5,622.32	69.32	82.102		

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 34N-6A-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 34N-6A-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

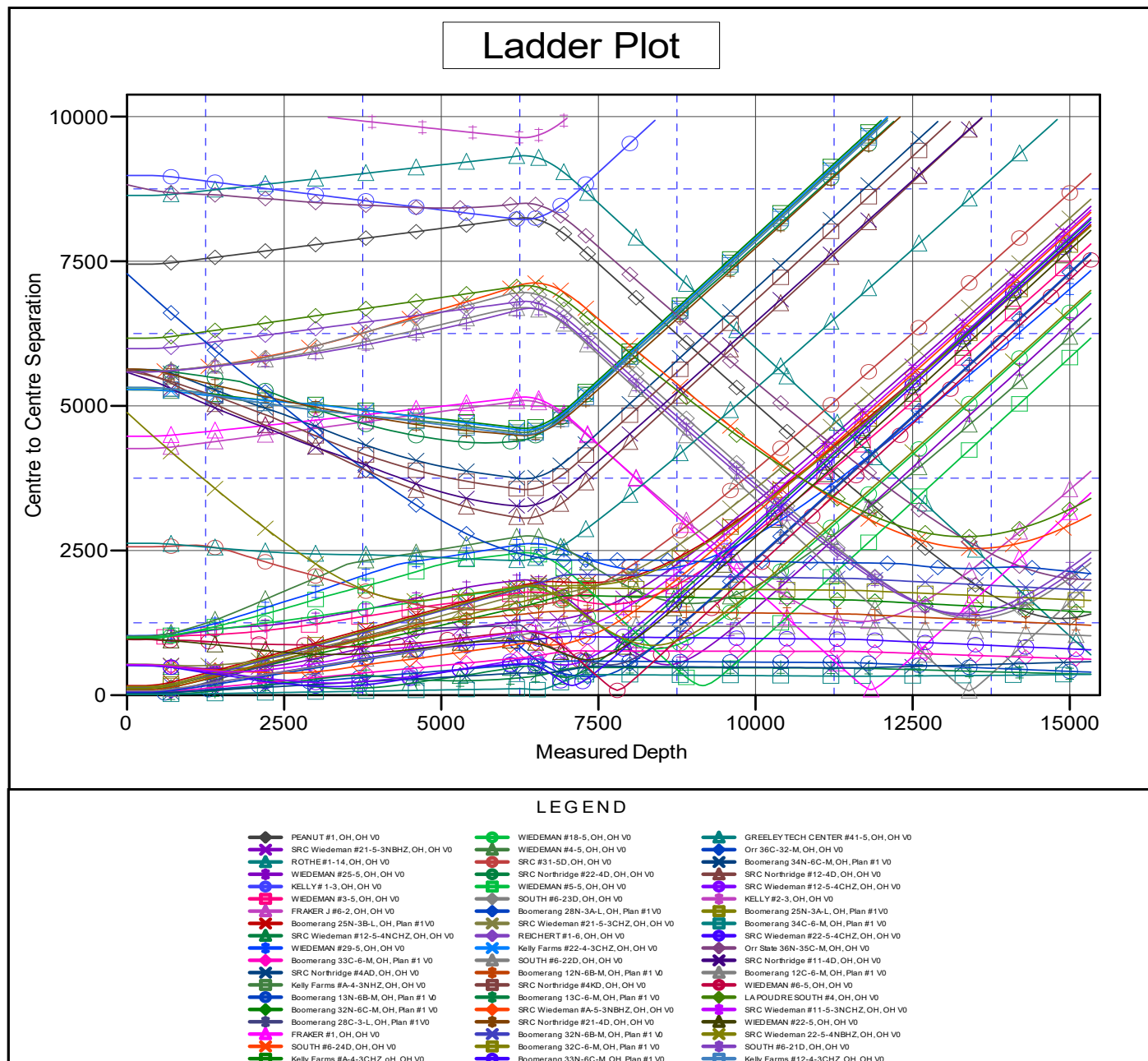
Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,600.00	6,780.68	7,341.58	7,062.54	196.65	38.13	134.57	-640.01	-393.77	5,791.48	5,722.08	69.40	83.455		
13,700.00	6,779.26	7,347.69	7,068.63	199.47	38.15	135.25	-639.67	-394.12	5,891.31	5,821.84	69.47	84.803		
13,800.00	6,777.84	7,353.88	7,074.80	202.29	38.16	135.93	-639.31	-394.48	5,991.14	5,921.60	69.55	86.146		
13,900.00	6,776.42	7,360.18	7,081.07	205.11	38.18	136.60	-638.95	-394.84	6,090.97	6,021.35	69.62	87.484		
14,000.00	6,774.99	7,366.57	7,087.44	207.93	38.20	137.26	-638.58	-395.21	6,190.81	6,121.11	69.70	88.818		
14,100.00	6,773.57	7,373.06	7,093.91	210.76	38.22	137.92	-638.20	-395.59	6,290.64	6,220.86	69.78	90.147		
14,200.00	6,772.15	7,379.65	7,100.48	213.58	38.23	138.56	-637.80	-395.97	6,390.48	6,320.62	69.86	91.470		
14,300.00	6,770.72	7,386.35	7,107.15	216.40	38.25	139.20	-637.40	-396.37	6,490.32	6,420.37	69.95	92.789		
14,400.00	6,769.30	7,393.15	7,113.93	219.23	38.27	139.82	-636.98	-396.77	6,590.15	6,520.12	70.03	94.103		
14,500.00	6,767.88	7,400.06	7,120.82	222.06	38.29	140.44	-636.56	-397.19	6,689.99	6,619.87	70.12	95.412		
14,600.00	6,766.45	7,407.09	7,127.82	224.89	38.31	141.05	-636.12	-397.61	6,789.82	6,719.62	70.20	96.715		
14,700.00	6,765.03	7,414.24	7,134.94	227.71	38.33	141.65	-635.67	-398.04	6,889.66	6,819.37	70.29	98.014		
14,800.00	6,763.61	7,421.50	7,142.17	230.54	38.35	142.24	-635.20	-398.48	6,989.50	6,919.11	70.38	99.307		
14,900.00	6,762.19	7,428.88	7,149.52	233.37	38.37	142.82	-634.72	-398.93	7,089.33	7,018.86	70.47	100.595		
15,000.00	6,760.76	15,000.00	7,126.67	236.20	60.35	140.95	-636.18	-397.55	7,189.20	7,096.11	93.10	77.224		
15,100.00	6,759.34	15,100.00	7,131.02	239.03	60.66	141.32	-635.93	-397.80	7,289.06	7,195.59	93.47	77.983		
15,200.00	6,757.92	15,200.00	7,135.38	241.86	60.96	141.69	-635.68	-398.05	7,388.92	7,295.07	93.84	78.736		
15,300.00	6,756.49	15,300.00	7,139.74	244.70	61.27	142.05	-635.43	-398.30	7,488.77	7,394.55	94.22	79.482		
15,334.64	6,756.00	7,408.00	7,128.73	245.68	38.31	141.13	-636.06	-397.66	7,523.37	7,452.59	70.78	106.292		
15,335.52	6,755.99	7,408.00	7,128.73	245.70	38.31	141.13	-636.06	-397.66	7,524.26	7,453.47	70.78	106.304		

Company: Synergy Resources Corporation
Project: SEC 5-T5N-R66W
Reference Site: Boomerang 21-5
Site Error: 3.28 ft
Reference Well: Boomerang 34N-6A-M
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Boomerang 34N-6A-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 34N-6A-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 34N-6A-M
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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

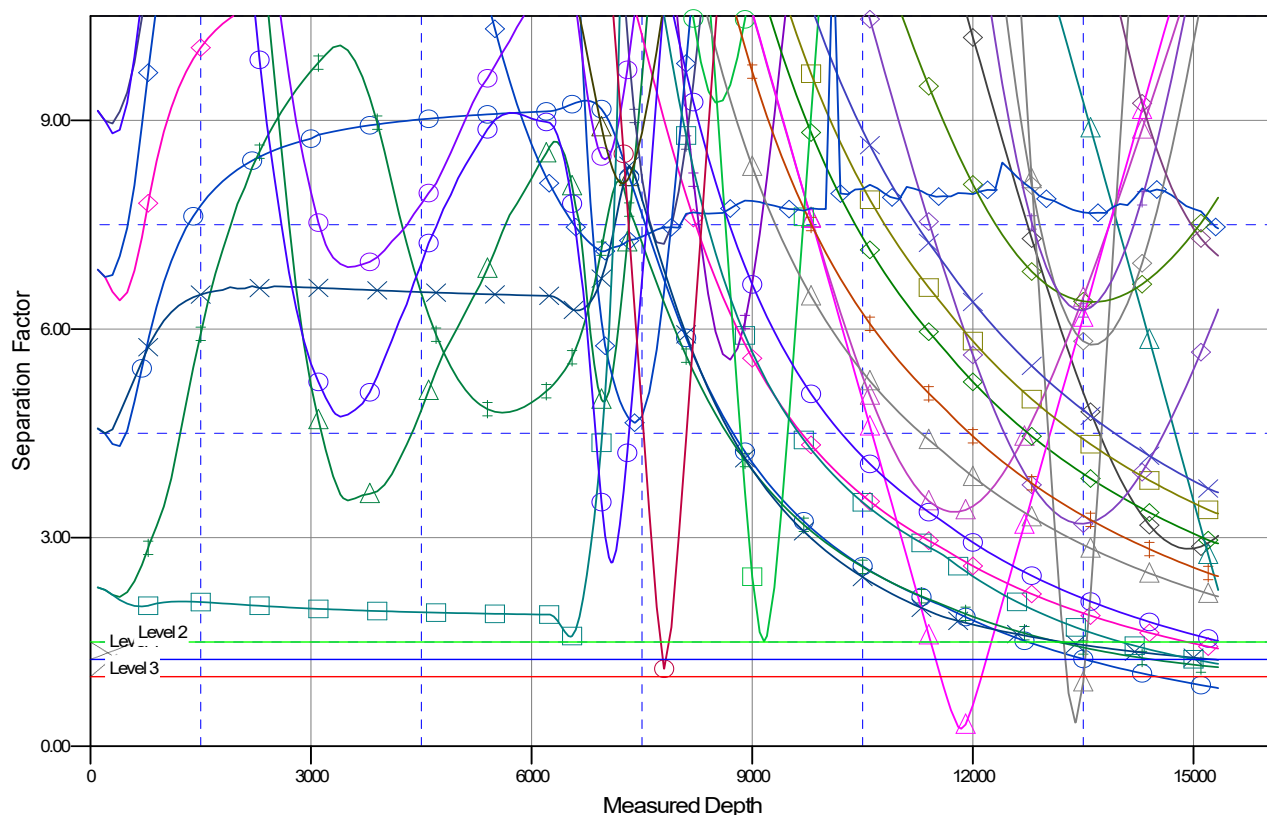
Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 34N-6A-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	Orr 36C-32-M, OH, OH V0
ROTHE #1-14, OH, OH V0	SRC #31-5D, OH, OH V0	Boomerang 34N-6C-M, OH, Plan #1 V0
WIEDEMAN #25-5, OH, OH V0	SRC Northridge #22-4D, OH, OH V0	SRC Northridge #12-4D, OH, OH V0
KELLY #1-3, OH, OH V0	WIEDEMAN #5-5, OH, OH V0	SRC Wiedeman #12-5-4CHZ, OH, OH V0
WIEDEMAN #3-5, OH, OH V0	SOUTH #6-23D, OH, OH V0	KELLY #2-3, OH, OH V0
FRAKER J #6-2, OH, OH V0	Boomerang 28N-3A-L, OH, Plan #1 V0	Boomerang 25N-3A-L, OH, Plan #1 V0
Boomerang 25N-3B-L, OH, Plan #1 V0	SRC Wiedeman #21-5-3CHZ, OH, OH V0	Boomerang 34C-6-M, OH, Plan #1 V0
SRC Wiedeman #12-5-4NCHZ, OH, OH V0	REICHERT #1-6, OH, OH V0	SRC Wiedeman #22-5-4CHZ, OH, OH V0
WIEDEMAN #29-5, OH, OH V0	Kelly Farms #22-4-3CHZ, OH, OH V0	Orr State 36N-35C-M, OH, OH V0
Boomerang 33C-6-M, OH, Plan #1 V0	SOUTH #6-22D, OH, OH V0	SRC Northridge #11-4D, OH, OH V0
SRC Northridge #4AD, OH, OH V0	Boomerang 12N-6B-M, OH, Plan #1 V0	Boomerang 12C-6-M, OH, Plan #1 V0
Kelly Farms #A-4-3NHZ, OH, OH V0	SRC Northridge #4KD, OH, OH V0	WIEDEMAN #6-5, OH, OH V0
Boomerang 13N-6B-M, OH, Plan #1 V0	SRC Wiedeman #A-5-3NBHZ, OH, OH V0	LAPOUDRE SOUTH #4, OH, OH V0
Boomerang 32N-6C-M, OH, Plan #1 V0	SRC Northridge #21-4D, OH, OH V0	SRC Wiedeman #11-5-3NCHZ, OH, OH V0
Boomerang 28C-3-L, OH, Plan #1 V0	Boomerang 32N-6B-M, OH, Plan #1 V0	WIEDEMAN #22-5, OH, OH V0
FRAKER #1, OH, OH V0	Boomerang 32C-6-M, OH, Plan #1 V0	SRC Wiedeman 22-5-4NBHZ, OH, OH V0
SOUTH #6-24D, OH, OH V0	Boomerang 33N-6C-M, OH, Plan #1 V0	SOUTH #6-21D, OH, OH V0
Kelly Farms #A-4-3CHZ, OH, OH V0		Kelly Farms #12-4-3CHZ, OH, OH V0