



Synergy Resources Corporation

SEC 5-T5N-R66W

Boomerang 21-5

Boomerang 34N-6C-M

OH

Plan #1

Anticollision Report

05 April, 2017

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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	15,521.99	Plan #1 (OH)	MWD+IFR1	OWSG MWD + IFR1	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
Boomerang 12C-6-M - OH - Plan #1	200.00	200.00	105.06	98.38	15.741	CC, ES
Boomerang 12C-6-M - OH - Plan #1	15,521.99	15,703.90	1,544.90	1,054.26	3.149	SF
Boomerang 12N-6B-M - OH - Plan #1	200.00	200.00	120.07	113.39	17.990	CC, ES
Boomerang 12N-6B-M - OH - Plan #1	15,521.99	15,618.10	1,760.89	1,267.87	3.572	SF
Boomerang 13C-6-M - OH - Plan #1	200.00	200.00	45.03	38.36	6.748	CC, ES
Boomerang 13C-6-M - OH - Plan #1	15,510.31	15,695.62	775.59	289.27	1.595	SF
Boomerang 13N-6B-M - OH - Plan #1	200.00	200.00	60.03	53.36	8.995	CC, ES
Boomerang 13N-6B-M - OH - Plan #1	15,521.99	15,460.74	939.78	451.43	1.924	SF
Boomerang 25N-3A-L - OH - Plan #1	200.00	200.00	180.23	173.56	27.005	CC, ES
Boomerang 25N-3A-L - OH - Plan #1	400.00	393.79	187.29	180.10	26.029	SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	195.12	188.45	29.236	CC, ES
Boomerang 25N-3B-L - OH - Plan #1	400.00	386.60	207.05	199.84	28.711	SF
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	30.00	23.33	4.495	CC
Boomerang 28C-3-L - OH - Plan #1	7,675.72	7,367.28	80.87	11.04	1.158	Level 2, ES, SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	15.00	8.32	2.247	CC
Boomerang 28N-3A-L - OH - Plan #1	7,045.31	7,489.07	74.46	4.81	1.069	Level 2, ES, SF
Boomerang 32C-6-M - OH - Plan #1	200.00	200.00	150.09	143.42	22.489	CC, ES
Boomerang 32C-6-M - OH - Plan #1	15,521.99	15,846.35	2,168.74	1,675.31	4.395	SF
Boomerang 32N-6B-M - OH - Plan #1	200.00	200.00	165.09	158.42	24.737	CC, ES
Boomerang 32N-6B-M - OH - Plan #1	15,521.99	15,738.53	2,364.74	1,870.10	4.781	SF
Boomerang 32N-6C-M - OH - Plan #1	200.00	200.00	135.09	128.42	20.242	CC, ES
Boomerang 32N-6C-M - OH - Plan #1	15,521.99	15,706.13	1,979.71	1,486.39	4.013	SF
Boomerang 33C-6-M - OH - Plan #1	200.00	200.00	75.06	68.39	11.247	CC, ES
Boomerang 33C-6-M - OH - Plan #1	15,521.99	15,648.52	1,108.79	620.83	2.272	SF
Boomerang 33N-6C-M - OH - Plan #1	200.00	200.00	90.06	83.39	13.495	CC, ES
Boomerang 33N-6C-M - OH - Plan #1	15,521.99	15,589.88	1,320.28	793.99	2.509	SF
Boomerang 34C-6-M - OH - Plan #1	200.00	200.00	15.03	8.36	2.253	CC
Boomerang 34C-6-M - OH - Plan #1	15,521.99	15,647.29	374.49	-89.64	0.807	Level 1, ES, SF
Boomerang 34N-6A-M - OH - Plan #1	200.00	200.00	30.03	23.36	4.500	CC, ES
Boomerang 34N-6A-M - OH - Plan #1	15,521.99	15,322.14	580.42	113.37	1.243	Level 2, SF
FRAKER #1 - OH - OH	12,017.38	7,011.89	532.24	144.52	1.373	Level 3, CC, ES, SF
FRAKER J #6-2 - OH - OH	11,818.00	6,972.10	1,704.29	1,323.49	4.476	CC
FRAKER J #6-2 - OH - OH	11,900.00	6,970.37	1,706.27	1,323.43	4.457	ES
FRAKER J #6-2 - OH - OH	12,000.00	6,968.26	1,713.98	1,329.09	4.453	SF
GREELEY TECH CENTER #41-5 - OH - OH	2,540.21	2,469.58	2,566.00	2,542.68	110.037	CC
GREELEY TECH CENTER #41-5 - OH - OH	2,700.00	2,610.96	2,566.85	2,542.17	104.010	ES
GREELEY TECH CENTER #41-5 - OH - OH	6,800.00	6,637.46	2,745.56	2,684.06	44.644	SF

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

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Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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
Boomerang 21-5						
KELLY # 1-3 - OH - OH	6,585.72	6,438.05	8,307.32	8,052.13	32.553	CC
KELLY # 1-3 - OH - OH	6,600.00	6,452.12	8,307.48	8,051.73	32.483	ES
KELLY # 1-3 - OH - OH	7,100.00	6,907.97	8,504.30	8,231.27	31.148	SF
KELLY #2-3 - OH - OH	6,570.30	6,406.86	9,784.39	9,530.11	38.479	CC
KELLY #2-3 - OH - OH	6,600.00	6,436.12	9,785.08	9,529.63	38.306	ES
KELLY #2-3 - OH - OH	7,100.00	6,876.03	9,989.96	9,717.77	36.702	SF
Kelly Farms #12-4-3CHZ - OH - OH	6,560.48	6,317.49	4,614.87	4,555.75	78.053	CC, ES
Kelly Farms #12-4-3CHZ - OH - OH	6,800.00	6,380.24	4,662.14	4,601.83	77.306	SF
Kelly Farms #22-4-3CHZ - OH - OH	6,577.72	6,394.95	4,666.47	4,606.49	77.810	CC, ES
Kelly Farms #22-4-3CHZ - OH - OH	6,750.00	6,438.00	4,691.67	4,630.79	77.056	SF
Kelly Farms #A-4-3CHZ - oH - OH	6,567.46	6,401.04	4,738.81	4,678.66	78.773	CC, ES
Kelly Farms #A-4-3CHZ - oH - OH	6,800.00	6,480.38	4,783.62	4,722.21	77.897	SF
Kelly Farms #A-4-3NHZ - OH - OH	6,500.00	6,500.00	4,694.70	4,633.15	76.274	SF
Kelly Farms #A-4-3NHZ - OH - OH	6,544.85	6,260.00	4,693.27	4,632.41	77.118	CC
Kelly Farms #A-4-3NHZ - OH - OH	6,550.00	6,260.00	4,693.29	4,632.41	77.086	ES
LA POUDRE SOUTH #4 - OH - OH	13,407.34	7,005.59	3,225.28	2,799.05	7.567	CC
LA POUDRE SOUTH #4 - OH - OH	13,500.00	7,003.63	3,226.61	2,797.94	7.527	ES
LA POUDRE SOUTH #4 - OH - OH	13,900.00	7,004.80	3,262.67	2,824.94	7.454	SF
Orr 36C-32-M - OH - OH	14,400.00	14,400.00	2,715.85	2,288.33	6.353	SF
Orr 36C-32-M - OH - OH	15,100.00	15,100.00	2,667.99	2,263.34	6.593	ES
Orr 36C-32-M - OH - OH	15,521.99	7,681.00	2,636.05	2,354.95	9.378	CC
Orr State 36N-35C-M - OH - OH	15,500.57	7,429.00	2,544.81	2,265.65	9.116	CC
Orr State 36N-35C-M - OH - OH	15,521.99	7,429.00	2,544.90	2,265.06	9.094	ES, SF
PEANUT #1 - OH - OH	15,005.54	6,925.89	1,864.05	1,395.73	3.980	CC, ES
PEANUT #1 - OH - OH	15,100.00	6,923.90	1,866.44	1,395.85	3.966	SF
REICHERT #1-6 - OH - OH	13,539.27	7,004.80	1,858.39	1,428.49	4.323	CC
REICHERT #1-6 - OH - OH	13,600.00	7,003.52	1,859.38	1,427.94	4.310	ES
REICHERT #1-6 - OH - OH	13,700.00	7,001.41	1,865.32	1,431.78	4.303	SF
ROTHE #1-14 - OH - OH	15,521.99	6,961.00	760.80	397.11	2.092	CC, ES, SF
SOUTH #6-21D - OH - OH	13,440.55	7,285.12	1,896.23	1,677.79	8.681	CC
SOUTH #6-21D - OH - OH	13,500.00	7,284.15	1,897.17	1,676.87	8.612	ES
SOUTH #6-21D - OH - OH	13,800.00	7,279.22	1,929.99	1,702.66	8.490	SF
SOUTH #6-22D - OH - OH	13,571.24	7,021.33	568.11	348.14	2.583	CC, ES
SOUTH #6-22D - OH - OH	13,600.00	7,021.14	568.84	348.16	2.578	SF
SOUTH #6-23D - OH - OH	13,697.75	7,088.82	835.00	609.17	3.698	CC
SOUTH #6-23D - OH - OH	13,700.00	7,088.80	835.00	609.09	3.696	ES
SOUTH #6-23D - OH - OH	13,800.00	7,088.14	841.24	612.81	3.683	SF
SOUTH #6-24D - OH - OH	13,816.12	13,816.12	2,124.11	1,865.18	8.203	CC
SOUTH #6-24D - OH - OH	13,900.00	13,900.00	2,125.76	1,863.45	8.104	ES
SOUTH #6-24D - OH - OH	14,300.00	14,300.00	2,178.52	1,903.41	7.919	SF
SRC #31-5D - OH - OH	5,201.14	5,600.00	1,811.89	1,760.14	35.014	CC, ES
SRC #31-5D - OH - OH	6,800.00	6,926.73	1,987.89	1,925.19	31.702	SF
SRC Northridge #11-4D - OH - OH	6,535.30	6,916.86	3,527.87	3,384.11	24.539	CC, ES
SRC Northridge #11-4D - OH - OH	6,650.00	7,023.87	3,537.01	3,392.38	24.456	SF
SRC Northridge #12-4D - OH - OH	6,577.31	6,735.40	3,177.07	3,109.46	46.992	CC, ES
SRC Northridge #12-4D - OH - OH	6,850.00	7,016.93	3,234.81	3,164.80	46.207	SF
SRC Northridge #21-4D - OH - OH	6,549.64	6,635.13	4,706.16	4,628.76	60.806	CC
SRC Northridge #21-4D - OH - OH	6,550.00	6,635.46	4,706.16	4,628.76	60.804	ES
SRC Northridge #21-4D - OH - OH	6,800.00	6,863.72	4,752.04	4,673.05	60.162	SF
SRC Northridge #22-4D - OH - OH	5,606.94	5,065.90	4,458.90	4,412.01	95.078	CC, ES
SRC Northridge #22-4D - OH - OH	6,400.00	5,065.90	4,528.88	4,479.67	92.030	SF
SRC Northridge #4AD - OH - OH	6,582.38	6,726.41	3,901.78	3,825.68	51.271	CC, ES
SRC Northridge #4AD - OH - OH	6,750.00	6,914.89	3,922.72	3,845.31	50.670	SF

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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 34N-6C-M	Survey Calculation Method:	Minimum Curvature
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Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
SRC Northridge #4KD - OH - OH	6,595.38	6,644.72	3,578.37	3,503.77	47.969	CC
SRC Northridge #4KD - OH - OH	6,600.00	6,649.38	3,578.38	3,503.76	47.952	ES
SRC Northridge #4KD - OH - OH	6,750.00	6,803.88	3,596.92	3,521.55	47.725	SF
SRC Wiedeman #11-5-3NCHZ - OH - OH	1,367.37	1,343.32	471.08	457.68	35.155	CC
SRC Wiedeman #11-5-3NCHZ - OH - OH	1,400.00	1,373.19	471.20	457.55	34.516	ES
SRC Wiedeman #11-5-3NCHZ - OH - OH	6,900.00	6,895.92	1,494.14	1,432.44	24.218	SF
SRC Wiedeman #12-5-4CHZ - OH - OH	2,727.68	2,722.10	398.77	373.31	15.666	CC
SRC Wiedeman #12-5-4CHZ - OH - OH	2,800.00	2,791.11	399.16	373.08	15.305	ES
SRC Wiedeman #12-5-4CHZ - OH - OH	4,300.00	4,262.97	516.81	477.46	13.133	SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	3,313.12	3,311.19	321.89	291.22	10.497	CC, ES
SRC Wiedeman #12-5-4NCHZ - OH - OH	4,400.00	4,381.27	366.72	326.04	9.016	SF
SRC Wiedeman #21-5-3CHZ - OH - OH	683.43	655.79	537.34	528.94	63.955	CC
SRC Wiedeman #21-5-3CHZ - OH - OH	773.50	741.31	537.67	528.74	60.192	ES
SRC Wiedeman #21-5-3CHZ - OH - OH	7,000.00	6,990.31	2,174.36	2,110.87	34.247	SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	1,091.78	1,064.64	506.59	495.48	45.579	CC
SRC Wiedeman #21-5-3NBHZ - OH - OH	1,100.00	1,072.15	506.60	495.43	45.339	ES
SRC Wiedeman #21-5-3NBHZ - OH - OH	6,900.00	6,856.56	1,716.51	1,654.89	27.859	SF
SRC Wiedeman #22-5-4CHZ - OH - OH	3,876.05	3,862.75	55.32	18.97	1.522	CC
SRC Wiedeman #22-5-4CHZ - OH - OH	3,900.00	3,886.49	55.44	18.72	1.510	ES, SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	1,345.37	1,315.96	483.45	470.16	36.388	CC
SRC Wiedeman #A-5-3NBHZ - OH - OH	1,500.00	1,469.07	484.16	469.63	33.317	ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	6,900.00	6,888.36	1,278.10	1,216.17	20.637	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,565.65	2,488.08	1,267.67	1,202.28	19.386	CC
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,600.00	2,489.02	1,268.13	1,202.00	19.175	ES
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,900.00	2,497.75	1,310.98	1,239.35	18.301	SF
WIEDEMAN #18-5 - OH - OH	100.00	58.89	987.49	980.92	150.246	CC, ES
WIEDEMAN #18-5 - OH - OH	8,900.00	7,071.91	1,282.81	1,191.89	14.110	SF
WIEDEMAN #22-5 - OH - OH	7,500.00	7,446.14	163.52	86.44	2.121	ES, SF
WIEDEMAN #22-5 - OH - OH	7,522.34	7,449.15	161.94	87.45	2.174	CC
WIEDEMAN #25-5 - OH - OH	8,778.73	7,334.12	87.35	-5.09	0.945	Level 1, CC, ES, SF
WIEDEMAN #29-5 - OH - OH	100.00	59.88	1,038.91	1,032.33	158.065	CC, ES
WIEDEMAN #29-5 - OH - OH	9,700.00	7,138.70	2,880.16	2,772.57	26.771	SF
WIEDEMAN #3-5 - OH - OH	100.00	57.46	1,018.65	1,012.08	154.996	CC, ES
WIEDEMAN #3-5 - OH - OH	8,600.00	7,076.79	2,157.78	2,072.57	25.324	SF
WIEDEMAN #4-5 - OH - OH	100.00	55.93	1,028.46	1,021.89	156.500	CC, ES
WIEDEMAN #4-5 - OH - OH	9,800.00	7,090.79	2,125.19	2,009.46	18.364	SF
WIEDEMAN #5-5 - OH - OH	9,346.76	7,172.29	612.91	504.45	5.651	CC, ES, SF
WIEDEMAN #6-5 - OH - OH	7,993.94	7,300.17	538.58	464.14	7.235	CC
WIEDEMAN #6-5 - OH - OH	8,000.00	7,300.36	538.62	463.97	7.216	ES
WIEDEMAN #6-5 - OH - OH	8,100.00	7,303.43	548.92	471.13	7.057	SF

Offset Design

Boomerang 21-5 - Boomerang 12C-6-M - OH - Plan #1											Offset Site Error:		0.00 ft	
Survey Program: 0-MWD+IFR1											Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.00	0.00	0.00	0.00	3.28	3.28	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	98.38	6.67	15.741 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-141.58	104.55	10.30	106.42	99.53	6.89	15.456		
400.00	399.84	398.10	398.08	3.59	3.60	-142.40	105.22	11.84	111.35	104.15	7.19	15.479		

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

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Reference Well:	Boomerang 34N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
500.00	499.45	495.85	495.70	3.79	3.79	-142.65	107.20	16.44	120.62	113.03	7.59	15.884		
600.00	598.70	592.95	592.44	4.04	4.03	-142.41	110.48	24.04	134.19	126.12	8.08	16.618		
700.00	697.47	689.13	687.94	4.32	4.29	-141.81	115.01	34.53	152.02	143.40	8.62	17.627		
773.50	769.68	759.61	757.65	4.55	4.51	-141.25	119.11	44.02	167.79	158.72	9.07	18.509		
800.00	795.65	785.42	783.16	4.64	4.59	-141.16	120.67	47.64	173.81	164.58	9.23	18.828		
900.00	893.65	882.80	879.39	5.00	4.90	-140.85	126.57	61.32	196.54	186.66	9.88	19.900		
1,000.00	991.65	980.18	975.62	5.38	5.24	-140.61	132.48	75.00	219.27	208.70	10.56	20.756		
1,100.00	1,089.66	1,077.55	1,071.85	5.78	5.60	-140.41	138.38	88.67	242.00	230.71	11.29	21.441		
1,200.00	1,187.66	1,174.93	1,168.08	6.20	5.98	-140.25	144.29	102.35	264.74	252.70	12.04	21.992		
1,300.00	1,285.66	1,272.31	1,264.32	6.63	6.36	-140.12	150.19	116.03	287.47	274.66	12.81	22.437		
1,400.00	1,383.67	1,369.69	1,360.55	7.07	6.75	-140.00	156.10	129.71	310.21	296.61	13.61	22.798		
1,500.00	1,481.67	1,467.07	1,456.78	7.51	7.16	-139.90	162.00	143.38	332.95	318.54	14.42	23.094		
1,600.00	1,579.67	1,564.45	1,553.01	7.97	7.56	-139.81	167.91	157.06	355.70	340.45	15.24	23.337		
1,700.00	1,677.67	1,661.83	1,649.25	8.43	7.98	-139.73	173.81	170.74	378.44	362.36	16.08	23.538		
1,800.00	1,775.68	1,759.20	1,745.48	8.90	8.40	-139.66	179.72	184.41	401.18	384.26	16.92	23.706		
1,900.00	1,873.68	1,856.58	1,841.71	9.37	8.82	-139.60	185.62	198.09	423.92	406.14	17.78	23.846		
2,000.00	1,971.68	1,953.96	1,937.94	9.84	9.24	-139.55	191.53	211.77	446.66	428.03	18.64	23.964		
2,100.00	2,069.69	2,051.34	2,034.18	10.32	9.67	-139.50	197.43	225.45	469.41	449.90	19.51	24.063		
2,200.00	2,167.69	2,148.72	2,130.41	10.80	10.11	-139.45	203.33	239.12	492.15	471.77	20.38	24.148		
2,300.00	2,265.69	2,246.10	2,226.64	11.28	10.54	-139.41	209.24	252.80	514.90	493.64	21.26	24.220		
2,400.00	2,363.69	2,343.48	2,322.87	11.77	10.98	-139.38	215.14	266.48	537.64	515.50	22.14	24.282		
2,500.00	2,461.70	2,440.85	2,419.10	12.25	11.41	-139.34	221.05	280.16	560.39	537.36	23.03	24.335		
2,600.00	2,559.70	2,538.23	2,515.34	12.74	11.85	-139.31	226.95	293.83	583.13	559.21	23.92	24.380		
2,700.00	2,657.70	2,635.61	2,611.57	13.23	12.29	-139.28	232.86	307.51	605.87	581.06	24.81	24.420		
2,800.00	2,755.71	2,732.99	2,707.80	13.72	12.74	-139.25	238.76	321.19	628.62	602.91	25.71	24.454		
2,900.00	2,853.71	2,830.37	2,804.03	14.21	13.18	-139.23	244.67	334.87	651.36	624.76	26.60	24.483		
3,000.00	2,951.71	2,927.75	2,900.27	14.70	13.63	-139.20	250.57	348.54	674.11	646.61	27.50	24.509		
3,100.00	3,049.71	3,025.13	2,996.50	15.20	14.07	-139.18	256.48	362.22	696.86	668.45	28.41	24.532		
3,200.00	3,147.72	3,122.50	3,092.73	15.69	14.52	-139.16	262.38	375.90	719.60	690.29	29.31	24.551		
3,300.00	3,245.72	3,219.88	3,188.96	16.19	14.96	-139.14	268.29	389.58	742.35	712.13	30.22	24.568		
3,400.00	3,343.72	3,317.26	3,285.19	16.69	15.41	-139.12	274.19	403.25	765.09	733.97	31.12	24.583		
3,500.00	3,441.73	3,414.64	3,381.43	17.18	15.86	-139.10	280.09	416.93	787.84	755.81	32.03	24.596		
3,600.00	3,539.73	3,512.02	3,477.66	17.68	16.31	-139.09	286.00	430.61	810.58	777.64	32.94	24.607		
3,700.00	3,637.73	3,609.40	3,573.89	18.18	16.76	-139.07	291.90	444.29	833.33	799.48	33.85	24.617		
3,800.00	3,735.73	3,706.78	3,670.12	18.68	17.21	-139.06	297.81	457.96	856.07	821.31	34.76	24.626		
3,900.00	3,833.74	3,804.15	3,766.36	19.18	17.66	-139.04	303.71	471.64	878.82	843.14	35.68	24.633		
4,000.00	3,931.74	3,901.53	3,862.59	19.67	18.11	-139.03	309.62	485.32	901.57	864.98	36.59	24.640		
4,100.00	4,029.74	4,001.09	3,958.82	20.17	18.57	-139.02	315.52	499.00	924.31	886.80	37.51	24.639		
4,200.00	4,127.75	4,096.29	4,055.05	20.67	19.02	-139.01	321.43	512.67	947.06	908.64	38.42	24.650		
4,300.00	4,225.75	4,193.67	4,151.28	21.18	19.47	-139.00	327.33	526.35	969.80	930.47	39.34	24.654		
4,400.00	4,323.75	4,308.95	4,247.52	21.68	20.00	-138.99	333.24	540.03	992.55	952.21	40.34	24.607		
4,500.00	4,421.76	4,388.42	4,343.75	22.18	20.37	-138.97	339.14	553.71	1,015.30	974.13	41.17	24.661		
4,600.00	4,519.76	4,485.80	4,439.98	22.68	20.83	-138.96	345.04	567.38	1,038.04	995.95	42.09	24.663		
4,700.00	4,617.76	4,583.18	4,536.21	23.18	21.28	-138.96	350.95	581.06	1,060.79	1,017.78	43.01	24.665		
4,800.00	4,715.76	4,680.56	4,632.45	23.68	21.73	-138.95	356.85	594.74	1,083.54	1,039.61	43.93	24.667		
4,900.00	4,813.77	4,777.94	4,728.68	24.18	22.19	-138.94	362.76	608.42	1,106.28	1,061.44	44.85	24.668		
5,000.00	4,911.77	4,875.32	4,824.91	24.69	22.64	-138.93	368.66	622.09	1,129.03	1,083.26	45.77	24.669		
5,100.00	5,009.77	4,972.70	4,921.14	25.19	23.10	-138.92	374.57	635.77	1,151.77	1,105.09	46.69	24.670		
5,200.00	5,107.78	5,070.07	5,017.38	25.69	23.55	-138.91	380.47	649.45	1,174.52	1,126.91	47.61	24.671		
5,300.00	5,205.78	5,167.45	5,113.61	26.19	24.01	-138.91	386.38	663.13	1,197.27	1,148.74	48.53	24.671		
5,400.00	5,303.78	5,264.83	5,209.84	26.70	24.46	-138.90	392.28	676.80	1,220.01	1,170.56	49.45	24.671		
5,500.00	5,401.78	5,362.21	5,306.07	27.20	24.92	-138.89	398.19	690.48	1,242.76	1,192.39	50.37	24.671		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,600.00	5,499.79	5,459.59	5,402.30	27.70	25.37	-138.89	404.09	704.16	1,265.51	1,214.21	51.30	24.671		
5,700.00	5,597.79	5,556.97	5,498.54	28.21	25.83	-138.88	410.00	717.84	1,288.25	1,236.03	52.22	24.670		
5,800.00	5,695.79	5,654.35	5,594.77	28.71	26.28	-138.87	415.90	731.51	1,311.00	1,257.86	53.14	24.670		
5,900.00	5,793.80	5,751.72	5,691.00	29.22	26.74	-138.87	421.80	745.19	1,333.74	1,279.68	54.07	24.669		
6,000.00	5,891.80	5,849.10	5,787.23	29.72	27.19	-138.86	427.71	758.87	1,356.49	1,301.50	54.99	24.668		
6,100.00	5,989.80	5,946.48	5,883.47	30.22	27.65	-138.86	433.61	772.54	1,379.24	1,323.32	55.91	24.667		
6,200.00	6,087.80	6,043.86	5,979.70	30.73	28.11	-138.85	439.52	786.22	1,401.98	1,345.15	56.84	24.666		
6,300.00	6,185.81	6,141.24	6,075.93	31.23	28.56	-138.85	445.42	799.90	1,424.73	1,366.97	57.76	24.665		
6,400.00	6,283.81	6,238.62	6,172.16	31.74	29.02	-138.84	451.33	813.58	1,447.48	1,388.79	58.69	24.664		
6,500.00	6,381.81	6,336.00	6,268.39	32.24	29.47	-138.84	457.23	827.25	1,470.22	1,410.61	59.61	24.663		
6,520.79	6,402.19	6,356.24	6,288.40	32.35	29.57	-138.83	458.46	830.10	1,474.95	1,415.15	59.80	24.663		
6,550.00	6,430.87	6,384.65	6,316.47	32.49	29.70	-151.81	460.18	834.09	1,481.71	1,421.63	60.07	24.665		
6,600.00	6,480.12	6,432.98	6,364.23	32.72	29.93	-178.07	463.11	840.88	1,493.76	1,433.24	60.52	24.682		
6,650.00	6,529.30	6,482.80	6,413.47	32.93	30.16	157.99	466.13	847.85	1,506.39	1,445.42	60.97	24.706		
6,700.00	6,578.09	6,560.21	6,490.51	33.12	30.50	141.42	470.67	853.36	1,519.05	1,457.42	61.63	24.647		
6,750.00	6,626.21	6,640.28	6,570.29	33.30	30.81	130.59	475.04	849.18	1,531.24	1,469.00	62.24	24.603		
6,800.00	6,673.34	6,722.56	6,651.09	33.46	31.13	123.22	479.10	834.48	1,542.82	1,480.01	62.81	24.563		
6,850.00	6,719.21	6,806.46	6,730.84	33.61	31.46	117.86	482.73	808.89	1,553.68	1,490.32	63.36	24.522		
6,900.00	6,763.53	6,891.25	6,807.34	33.75	31.80	113.70	485.81	772.60	1,563.72	1,499.83	63.89	24.475		
6,950.00	6,806.03	6,976.10	6,878.43	33.89	32.18	110.30	488.25	726.44	1,572.89	1,508.46	64.43	24.412		
7,000.00	6,846.44	7,060.19	6,942.22	34.02	32.60	107.40	489.99	671.77	1,581.14	1,516.13	65.00	24.324		
7,050.00	6,884.52	7,142.74	6,997.33	34.15	33.07	104.85	491.00	610.40	1,588.44	1,522.81	65.64	24.201		
7,100.00	6,920.03	7,223.10	7,042.94	34.27	33.61	102.57	491.32	544.30	1,594.82	1,528.46	66.36	24.034		
7,150.00	6,952.75	7,300.76	7,078.79	34.40	34.21	100.50	490.99	475.47	1,600.28	1,533.11	67.17	23.823		
7,200.00	6,982.48	7,375.38	7,105.12	34.54	34.89	98.61	490.09	405.70	1,604.87	1,536.77	68.10	23.567		
7,250.00	7,009.04	7,446.81	7,122.53	34.70	35.61	96.90	488.71	336.48	1,608.62	1,539.52	69.10	23.279		
7,300.00	7,032.26	7,514.99	7,131.82	34.87	36.36	95.34	486.93	268.99	1,611.57	1,541.39	70.18	22.965		
7,350.00	7,052.00	7,579.98	7,133.93	35.08	37.12	93.93	484.83	204.09	1,613.77	1,542.47	71.29	22.636		
7,400.00	7,068.14	7,625.69	7,133.46	35.34	37.71	92.96	483.24	158.41	1,615.50	1,543.21	72.29	22.346		
7,450.00	7,080.57	7,673.94	7,132.94	35.65	38.36	92.19	481.56	110.20	1,616.87	1,543.49	73.39	22.032		
7,500.00	7,089.23	7,723.06	7,132.42	36.01	39.05	91.65	479.85	61.11	1,617.79	1,543.23	74.57	21.696		
7,550.00	7,094.06	7,772.76	7,131.88	36.44	39.80	91.35	478.13	11.45	1,618.18	1,542.35	75.84	21.338		
7,601.12	7,095.00	7,823.84	7,131.34	36.93	40.59	91.30	476.35	-39.60	1,618.00	1,540.78	77.21	20.955		
7,700.00	7,092.92	7,922.71	7,130.28	38.05	42.24	91.34	472.91	-138.41	1,617.05	1,536.94	80.11	20.185		
7,800.00	7,090.81	8,022.70	7,129.21	39.40	44.02	91.37	469.44	-238.33	1,616.09	1,532.77	83.33	19.395		
7,900.00	7,088.70	8,122.69	7,128.14	40.93	45.92	91.41	465.96	-338.26	1,615.14	1,528.34	86.80	18.608		
8,000.00	7,086.59	8,222.68	7,127.07	42.61	47.90	91.45	462.48	-438.18	1,614.18	1,523.69	90.49	17.838		
8,100.00	7,084.49	8,322.67	7,126.00	44.41	49.97	91.49	459.01	-538.10	1,613.23	1,518.84	94.39	17.091		
8,200.00	7,082.38	8,422.66	7,124.93	46.33	52.11	91.52	455.53	-638.03	1,612.27	1,513.81	98.46	16.375		
8,300.00	7,080.27	8,522.65	7,123.86	48.34	54.32	91.56	452.05	-737.95	1,611.32	1,508.63	102.68	15.692		
8,400.00	7,078.16	8,622.64	7,122.79	50.43	56.58	91.60	448.58	-837.87	1,610.37	1,503.32	107.05	15.044		
8,500.00	7,076.05	8,722.63	7,121.72	52.59	58.89	91.64	445.10	-937.80	1,609.41	1,497.89	111.53	14.431		
8,600.00	7,073.94	8,822.62	7,120.65	54.82	61.25	91.68	441.62	-1,037.72	1,608.46	1,492.35	116.11	13.852		
8,700.00	7,071.84	8,922.61	7,119.58	57.10	63.65	91.71	438.15	-1,137.64	1,607.51	1,486.71	120.80	13.308		
8,800.00	7,069.73	9,022.60	7,118.51	59.44	66.08	91.75	434.67	-1,237.57	1,606.56	1,481.00	125.56	12.795		
8,900.00	7,067.62	9,122.59	7,117.44	61.81	68.55	91.79	431.19	-1,337.49	1,605.61	1,475.21	130.40	12.313		
9,000.00	7,065.51	9,222.58	7,116.37	64.23	71.04	91.83	427.72	-1,437.42	1,604.66	1,469.36	135.30	11.860		
9,100.00	7,063.40	9,322.57	7,115.30	66.68	73.56	91.87	424.24	-1,537.34	1,603.71	1,463.45	140.27	11.433		
9,200.00	7,061.29	9,422.56	7,114.23	69.15	76.10	91.90	420.76	-1,637.26	1,602.77	1,457.48	145.28	11.032		
9,300.00	7,059.18	9,522.55	7,113.16	71.66	78.66	91.94	417.29	-1,737.19	1,601.82	1,451.47	150.35	10.654		
9,400.00	7,057.08	9,622.54	7,112.08	74.19	81.24	91.98	413.81	-1,837.11	1,600.87	1,445.42	155.45	10.298		
9,500.00	7,054.97	9,722.53	7,111.01	76.75	83.84	92.02	410.33	-1,937.03	1,599.93	1,439.33	160.60	9.962		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,600.00	7,052.86	9,822.52	7,109.94	79.32	86.45	92.06	406.85	-2,036.96	1,598.98	1,433.20	165.78	9.645		
9,700.00	7,050.75	9,922.51	7,108.87	81.91	89.07	92.10	403.38	-2,136.88	1,598.04	1,427.05	170.99	9.346		
9,800.00	7,048.64	10,022.50	7,107.80	84.52	91.71	92.13	399.90	-2,236.80	1,597.10	1,420.87	176.23	9.062		
9,900.00	7,046.53	10,122.49	7,106.73	87.14	94.37	92.17	396.42	-2,336.73	1,596.16	1,414.66	181.50	8.794		
10,000.00	7,044.43	10,222.48	7,105.66	89.78	97.03	92.21	392.95	-2,436.65	1,595.21	1,408.42	186.79	8.540		
10,100.00	7,042.32	10,322.47	7,104.59	92.43	99.70	92.25	389.47	-2,536.57	1,594.27	1,402.17	192.11	8.299		
10,200.00	7,040.21	10,422.45	7,103.52	95.09	102.38	92.29	385.99	-2,636.50	1,593.33	1,395.89	197.44	8.070		
10,300.00	7,038.10	10,522.44	7,102.45	97.76	105.07	92.33	382.52	-2,736.42	1,592.39	1,389.60	202.79	7.852		
10,400.00	7,035.99	10,622.43	7,101.38	100.44	107.77	92.37	379.04	-2,836.35	1,591.46	1,383.30	208.16	7.645		
10,500.00	7,033.88	10,722.42	7,100.31	103.13	110.47	92.41	375.56	-2,936.27	1,590.52	1,376.97	213.55	7.448		
10,600.00	7,031.78	10,822.41	7,099.24	105.82	113.18	92.44	372.09	-3,036.19	1,589.58	1,370.64	218.95	7.260		
10,700.00	7,029.67	10,922.40	7,098.17	108.53	115.90	92.48	368.61	-3,136.12	1,588.64	1,364.29	224.36	7.081		
10,800.00	7,027.56	11,022.39	7,097.10	111.24	118.63	92.52	365.13	-3,236.04	1,587.71	1,357.92	229.78	6.910		
10,900.00	7,025.45	11,122.38	7,096.03	113.96	121.36	92.56	361.66	-3,335.96	1,586.77	1,351.55	235.22	6.746		
11,000.00	7,023.34	11,222.37	7,094.96	116.68	124.09	92.60	358.18	-3,435.89	1,585.84	1,345.17	240.67	6.589		
11,100.00	7,021.23	11,322.36	7,093.89	119.41	126.83	92.64	354.70	-3,535.81	1,584.91	1,338.78	246.13	6.439		
11,200.00	7,019.13	11,422.35	7,092.82	122.15	129.57	92.68	351.23	-3,635.73	1,583.97	1,332.38	251.59	6.296		
11,300.00	7,017.02	11,522.34	7,091.75	124.89	132.32	92.72	347.75	-3,735.66	1,583.04	1,325.97	257.07	6.158		
11,400.00	7,014.91	11,622.33	7,090.68	127.63	135.07	92.76	344.27	-3,835.58	1,582.11	1,319.56	262.55	6.026		
11,500.00	7,012.80	11,722.32	7,089.61	130.38	137.83	92.80	340.80	-3,935.51	1,581.18	1,313.14	268.04	5.899		
11,600.00	7,010.69	11,822.31	7,088.54	133.14	140.59	92.84	337.32	-4,035.43	1,580.25	1,306.71	273.54	5.777		
11,700.00	7,008.58	11,922.30	7,087.47	135.89	143.35	92.88	333.84	-4,135.35	1,579.32	1,300.27	279.05	5.660		
11,800.00	7,006.47	12,022.29	7,086.40	138.65	146.11	92.91	330.37	-4,235.28	1,578.39	1,293.83	284.56	5.547		
11,900.00	7,004.37	12,122.28	7,085.33	141.42	148.88	92.95	326.89	-4,335.20	1,577.46	1,287.39	290.08	5.438		
12,000.00	7,002.26	12,222.27	7,084.26	144.19	151.65	92.99	323.41	-4,435.12	1,576.54	1,280.94	295.60	5.333		
12,100.00	7,000.15	12,322.26	7,083.19	146.96	154.42	93.03	319.94	-4,535.05	1,575.61	1,274.49	301.12	5.232		
12,200.00	6,998.04	12,422.25	7,082.12	149.73	157.20	93.07	316.46	-4,634.97	1,574.69	1,268.03	306.66	5.135		
12,300.00	6,995.93	12,522.24	7,081.05	152.51	159.98	93.11	312.98	-4,734.89	1,573.76	1,261.57	312.19	5.041		
12,400.00	6,993.82	12,622.23	7,079.98	155.28	162.76	93.15	309.51	-4,834.82	1,572.84	1,255.10	317.73	4.950		
12,500.00	6,991.72	12,722.22	7,078.91	158.06	165.54	93.19	306.03	-4,934.74	1,571.91	1,248.64	323.28	4.862		
12,600.00	6,989.61	12,822.21	7,077.84	160.85	168.32	93.23	302.55	-5,034.66	1,570.99	1,242.16	328.83	4.778		
12,700.00	6,987.50	12,922.20	7,076.77	163.63	171.11	93.27	299.08	-5,134.59	1,570.07	1,235.69	334.38	4.695		
12,800.00	6,985.39	13,022.19	7,075.70	166.42	173.90	93.31	295.60	-5,234.51	1,569.15	1,229.21	339.94	4.616		
12,900.00	6,983.28	13,122.18	7,074.63	169.21	176.69	93.35	292.12	-5,334.44	1,568.23	1,222.74	345.49	4.539		
13,000.00	6,981.17	13,222.17	7,073.56	172.00	179.48	93.39	288.65	-5,434.36	1,567.31	1,216.26	351.06	4.465		
13,100.00	6,979.07	13,322.16	7,072.49	174.79	182.27	93.43	285.17	-5,534.28	1,566.39	1,209.77	356.62	4.392		
13,200.00	6,976.96	13,422.15	7,071.42	177.59	185.07	93.47	281.69	-5,634.21	1,565.48	1,203.29	362.19	4.322		
13,300.00	6,974.85	13,522.14	7,070.35	180.38	187.86	93.51	278.22	-5,734.13	1,564.56	1,196.80	367.76	4.254		
13,400.00	6,972.74	13,622.13	7,069.28	183.18	190.66	93.55	274.74	-5,834.05	1,563.64	1,190.31	373.33	4.188		
13,500.00	6,970.63	13,722.12	7,068.21	185.98	193.46	93.59	271.26	-5,933.98	1,562.73	1,183.83	378.90	4.124		
13,600.00	6,968.52	13,822.11	7,067.14	188.78	196.26	93.63	267.79	-6,033.90	1,561.81	1,177.34	384.48	4.062		
13,700.00	6,966.41	13,922.10	7,066.07	191.58	199.06	93.67	264.31	-6,133.82	1,560.90	1,170.84	390.05	4.002		
13,800.00	6,964.31	14,022.09	7,064.99	194.39	201.86	93.71	260.83	-6,233.75	1,559.99	1,164.35	395.63	3.943		
13,900.00	6,962.20	14,122.08	7,063.92	197.19	204.67	93.75	257.36	-6,333.67	1,559.07	1,157.86	401.21	3.886		
14,000.00	6,960.09	14,222.07	7,062.85	200.00	207.47	93.79	253.88	-6,433.60	1,558.16	1,151.37	406.80	3.830		
14,100.00	6,957.98	14,322.06	7,061.78	202.80	210.28	93.83	250.40	-6,533.52	1,557.25	1,144.87	412.38	3.776		
14,200.00	6,955.87	14,422.05	7,060.71	205.61	213.08	93.87	246.93	-6,633.44	1,556.34	1,138.38	417.97	3.724		
14,300.00	6,953.76	14,522.04	7,059.64	208.42	215.89	93.92	243.45	-6,733.37	1,555.43	1,131.88	423.55	3.672		
14,400.00	6,951.66	14,622.03	7,058.57	211.23	218.70	93.96	239.97	-6,833.29	1,554.52	1,125.38	429.14	3.622		
14,500.00	6,949.55	14,722.02	7,057.50	214.04	221.51	94.00	236.50	-6,933.21	1,553.62	1,118.89	434.73	3.574		
14,600.00	6,947.44	14,822.01	7,056.43	216.85	224.32	94.04	233.02	-7,033.14	1,552.71	1,112.39	440.32	3.526		
14,700.00	6,945.33	14,922.00	7,055.36	219.66	227.13	94.08	229.54	-7,133.06	1,551.80	1,105.89	445.91	3.480		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,800.00	6,943.22	15,021.99	7,054.29	222.48	229.94	94.12	226.07	-7,232.98	1,550.90	1,099.40	451.50	3.435		
14,900.00	6,941.11	15,121.98	7,053.22	225.29	232.75	94.16	222.59	-7,332.91	1,549.99	1,092.90	457.09	3.391		
15,000.00	6,939.01	15,221.97	7,052.15	228.11	235.57	94.20	219.11	-7,432.83	1,549.09	1,086.40	462.69	3.348		
15,100.00	6,936.90	15,321.95	7,051.08	230.92	238.38	94.24	215.63	-7,532.75	1,548.19	1,079.91	468.28	3.306		
15,200.00	6,934.79	15,421.94	7,050.01	233.74	241.19	94.28	212.16	-7,632.68	1,547.28	1,073.41	473.87	3.265		
15,300.00	6,932.68	15,521.93	7,048.94	236.56	244.01	94.32	208.68	-7,732.60	1,546.38	1,066.91	479.47	3.225		
15,400.00	6,930.57	15,621.92	7,047.87	239.37	246.83	94.36	205.20	-7,832.53	1,545.48	1,060.42	485.06	3.186		
15,491.45	6,928.64	15,713.37	7,046.89	241.95	249.40	94.40	202.03	-7,923.91	1,544.66	1,054.48	490.18	3.151		
15,500.00	6,928.46	15,703.90	7,046.99	242.19	249.13	94.40	202.35	-7,914.45	1,544.69	1,054.55	490.14	3.152		
15,521.99	6,928.00	15,703.90	7,046.99	242.81	249.13	94.40	202.35	-7,914.45	1,544.90	1,054.26	490.65	3.149 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	120.07					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	119.49	11.69	120.07	113.50	6.57	18.276		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	119.49	11.69	120.07	113.39	6.67	17.990 CC, ES		
300.00	299.98	297.12	297.11	3.44	3.44	-140.95	120.51	12.99	122.59	115.71	6.89	17.802		
400.00	399.84	393.88	393.73	3.59	3.59	-140.70	123.54	16.85	130.17	122.96	7.20	18.068		
500.00	499.45	489.90	489.41	3.79	3.79	-140.32	128.54	23.22	142.75	135.13	7.62	18.740		
600.00	598.70	584.85	583.69	4.04	4.02	-139.87	135.42	32.00	160.28	152.18	8.11	19.768		
700.00	697.47	678.38	676.16	4.32	4.28	-139.39	144.09	43.05	182.69	174.03	8.66	21.090		
773.50	769.68	746.05	742.75	4.55	4.49	-139.02	151.51	52.52	202.20	193.10	9.10	22.211		
800.00	795.65	770.22	766.47	4.64	4.57	-138.97	154.40	56.20	209.77	200.50	9.27	22.632		
900.00	893.65	860.62	854.78	5.00	4.87	-138.48	166.29	71.36	239.69	229.80	9.90	24.219		
1,000.00	991.65	949.59	941.07	5.38	5.20	-137.67	179.67	88.42	271.76	261.20	10.56	25.736		
1,100.00	1,089.66	1,042.91	1,031.12	5.78	5.57	-136.74	194.79	107.69	305.21	293.94	11.26	27.101		
1,200.00	1,187.66	1,137.04	1,121.94	6.20	5.97	-135.99	210.04	127.14	338.73	326.73	12.00	28.229		
1,300.00	1,285.66	1,231.17	1,212.77	6.63	6.38	-135.37	225.30	146.60	372.29	359.53	12.76	29.168		
1,400.00	1,383.67	1,325.30	1,303.59	7.07	6.81	-134.85	240.56	166.05	405.88	392.33	13.55	29.953		
1,500.00	1,481.67	1,419.43	1,394.42	7.51	7.24	-134.42	255.82	185.51	439.50	425.15	14.36	30.612		
1,600.00	1,579.67	1,513.56	1,485.24	7.97	7.69	-134.04	271.08	204.96	473.14	457.96	15.18	31.170		
1,700.00	1,677.67	1,607.69	1,576.07	8.43	8.14	-133.72	286.34	224.42	506.80	490.78	16.02	31.643		
1,800.00	1,775.68	1,701.82	1,666.89	8.90	8.60	-133.43	301.60	243.87	540.47	523.60	16.86	32.049		
1,900.00	1,873.68	1,804.05	1,757.71	9.37	9.10	-133.18	316.86	263.33	574.15	556.39	17.76	32.328		
2,000.00	1,971.68	1,909.92	1,848.54	9.84	9.63	-132.96	332.12	282.79	607.83	589.15	18.68	32.534		
2,100.00	2,069.69	1,984.21	1,939.36	10.32	10.00	-132.76	347.38	302.24	641.53	622.07	19.46	32.963		
2,200.00	2,167.69	2,078.34	2,030.19	10.80	10.48	-132.58	362.64	321.70	675.23	654.89	20.34	33.192		
2,300.00	2,265.69	2,172.47	2,121.01	11.28	10.95	-132.41	377.89	341.15	708.93	687.71	21.23	33.394		
2,400.00	2,363.69	2,266.60	2,211.84	11.77	11.43	-132.27	393.15	360.61	742.64	720.52	22.12	33.573		
2,500.00	2,461.70	2,360.73	2,302.66	12.25	11.92	-132.13	408.41	380.06	776.36	753.34	23.02	33.731		
2,600.00	2,559.70	2,454.86	2,393.49	12.74	12.40	-132.01	423.67	399.52	810.08	786.16	23.92	33.872		
2,700.00	2,657.70	2,548.99	2,484.31	13.23	12.89	-131.89	438.93	418.97	843.80	818.98	24.82	33.997		
2,800.00	2,755.71	2,643.12	2,575.14	13.72	13.38	-131.79	454.19	438.43	877.52	851.80	25.73	34.110		
2,900.00	2,853.71	2,737.25	2,665.96	14.21	13.87	-131.69	469.45	457.88	911.25	884.61	26.64	34.212		
3,000.00	2,951.71	2,831.38	2,756.79	14.70	14.36	-131.60	484.71	477.34	944.98	917.43	27.55	34.304		
3,100.00	3,049.71	2,925.51	2,847.61	15.20	14.85	-131.51	499.97	496.79	978.71	950.25	28.46	34.387		
3,200.00	3,147.72	3,019.64	2,938.44	15.69	15.34	-131.44	515.23	516.25	1,012.44	983.06	29.38	34.463		
3,300.00	3,245.72	3,113.77	3,029.26	16.19	15.84	-131.36	530.49	535.71	1,046.18	1,015.88	30.30	34.532		
3,400.00	3,343.72	3,207.90	3,120.08	16.69	16.33	-131.29	545.75	555.16	1,079.91	1,048.69	31.22	34.595		
3,500.00	3,441.73	3,302.03	3,210.91	17.18	16.83	-131.23	561.00	574.62	1,113.65	1,081.51	32.14	34.652		
3,600.00	3,539.73	3,403.84	3,301.73	17.68	17.36	-131.17	576.26	594.07	1,147.38	1,114.29	33.10	34.665		
3,700.00	3,637.73	3,509.71	3,392.56	18.18	17.92	-131.11	591.52	613.53	1,181.12	1,147.04	34.08	34.654		
3,800.00	3,735.73	3,584.42	3,483.38	18.68	18.31	-131.06	606.78	632.98	1,214.86	1,179.95	34.91	34.799		
3,900.00	3,833.74	3,678.55	3,574.21	19.18	18.81	-131.00	622.04	652.44	1,248.60	1,212.77	35.84	34.840		
4,000.00	3,931.74	3,772.68	3,665.03	19.67	19.31	-130.95	637.30	671.89	1,282.35	1,245.58	36.77	34.879		
4,100.00	4,029.74	3,866.81	3,755.86	20.17	19.81	-130.91	652.56	691.35	1,316.09	1,278.39	37.69	34.914		
4,200.00	4,127.75	3,960.94	3,846.68	20.67	20.31	-130.86	667.82	710.80	1,349.83	1,311.21	38.62	34.947		
4,300.00	4,225.75	4,055.07	3,937.51	21.18	20.81	-130.82	683.08	730.26	1,383.58	1,344.02	39.56	34.978		
4,400.00	4,323.75	4,149.20	4,028.33	21.68	21.31	-130.78	698.34	749.71	1,417.32	1,376.83	40.49	35.007		
4,500.00	4,421.76	4,243.33	4,119.16	22.18	21.81	-130.75	713.60	769.17	1,451.07	1,409.65	41.42	35.034		
4,600.00	4,519.76	4,337.46	4,209.98	22.68	22.31	-130.71	728.85	788.63	1,484.81	1,442.46	42.35	35.058		
4,700.00	4,617.76	4,461.67	4,330.05	23.18	22.96	-130.69	744.16	813.62	1,518.15	1,474.57	43.58	34.838		
4,800.00	4,715.76	4,627.69	4,492.33	23.68	23.78	-130.84	770.00	841.09	1,547.84	1,502.73	45.11	34.311		
4,900.00	4,813.77	4,797.69	4,660.32	24.18	24.55	-131.21	786.01	861.50	1,573.08	1,526.54	46.54	33.801		
5,000.00	4,911.77	4,970.59	4,832.44	24.69	25.27	-131.80	795.96	874.19	1,593.75	1,545.91	47.83	33.319		

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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,145.18	5,006.91	25.19	25.93	-132.61	799.49	878.69	1,609.82	1,560.83	48.99	32.860		
5,200.00	5,107.78	5,246.05	5,107.78	25.69	26.30	-133.13	799.50	878.69	1,623.50	1,573.65	49.85	32.569		
5,300.00	5,205.78	5,344.05	5,205.78	26.19	26.65	-133.63	799.50	878.69	1,637.31	1,586.61	50.70	32.295		
5,400.00	5,303.78	5,442.05	5,303.78	26.70	27.01	-134.13	799.50	878.69	1,651.23	1,599.69	51.55	32.033		
5,500.00	5,401.78	5,540.06	5,401.78	27.20	27.38	-134.61	799.50	878.69	1,665.28	1,612.88	52.40	31.780		
5,600.00	5,499.79	5,638.06	5,499.79	27.70	27.74	-135.09	799.50	878.69	1,679.45	1,626.20	53.25	31.538		
5,700.00	5,597.79	5,736.06	5,597.79	28.21	28.11	-135.56	799.50	878.69	1,693.73	1,639.63	54.11	31.304		
5,800.00	5,695.79	5,834.06	5,695.79	28.71	28.47	-136.02	799.50	878.69	1,708.12	1,653.17	54.96	31.080		
5,900.00	5,793.80	5,932.07	5,793.80	29.22	28.84	-136.48	799.50	878.69	1,722.63	1,666.81	55.81	30.864		
6,000.00	5,891.80	6,030.07	5,891.80	29.72	29.21	-136.93	799.50	878.69	1,737.24	1,680.57	56.67	30.656		
6,100.00	5,989.80	6,128.07	5,989.80	30.22	29.59	-137.37	799.50	878.69	1,751.95	1,694.43	57.53	30.455		
6,200.00	6,087.80	6,226.08	6,087.80	30.73	29.96	-137.80	799.50	878.69	1,766.77	1,708.38	58.38	30.262		
6,300.00	6,185.81	6,324.08	6,185.81	31.23	30.34	-138.23	799.50	878.69	1,781.68	1,722.44	59.24	30.076		
6,400.00	6,283.81	6,422.08	6,283.81	31.74	30.71	-138.64	799.50	878.69	1,796.69	1,736.59	60.10	29.897		
6,500.00	6,381.81	6,520.08	6,381.81	32.24	31.30	-139.09	798.95	866.11	1,810.68	1,749.55	61.13	29.618		
6,520.79	6,402.19	6,613.87	6,473.85	32.35	31.44	-140.08	798.61	858.17	1,813.13	1,751.78	61.35	29.554		
6,550.00	6,430.87	6,661.60	6,519.54	32.49	31.62	-153.34	798.02	844.43	1,816.44	1,754.79	61.65	29.466		
6,600.00	6,480.12	6,738.91	6,591.00	32.72	31.94	179.82	796.76	815.05	1,822.02	1,759.88	62.14	29.321		
6,650.00	6,529.30	6,810.98	6,653.94	32.93	32.25	155.20	795.26	780.06	1,827.55	1,764.92	62.63	29.179		
6,700.00	6,578.09	6,878.26	6,708.77	33.12	32.58	137.77	793.59	741.18	1,833.07	1,769.93	63.14	29.033		
6,750.00	6,626.21	6,941.26	6,756.14	33.30	32.91	126.18	791.81	699.71	1,838.62	1,774.95	63.67	28.880		
6,800.00	6,673.34	7,000.49	6,796.72	33.46	33.25	118.17	789.96	656.64	1,844.20	1,779.98	64.22	28.718		
6,850.00	6,719.21	7,056.41	6,831.22	33.61	33.62	112.29	788.07	612.68	1,849.81	1,785.02	64.79	28.549		
6,900.00	6,763.53	7,109.46	6,860.25	33.75	34.01	107.74	786.16	568.34	1,855.44	1,790.03	65.40	28.369		
6,950.00	6,806.03	7,160.00	6,884.38	33.89	34.41	104.07	784.26	523.99	1,861.04	1,795.01	66.03	28.185		
7,000.00	6,846.44	7,208.36	6,904.10	34.02	34.84	101.01	782.36	479.89	1,866.59	1,799.91	66.67	27.996		
7,050.00	6,884.52	7,254.81	6,919.84	34.15	35.28	98.40	780.49	436.23	1,872.03	1,804.70	67.33	27.803		
7,100.00	6,920.03	7,299.60	6,931.96	34.27	35.74	96.13	778.64	393.17	1,877.34	1,809.32	68.01	27.602		
7,150.00	6,952.75	7,342.93	6,940.77	34.40	36.21	94.14	776.82	350.79	1,882.45	1,813.73	68.72	27.394		
7,200.00	6,982.48	7,384.98	6,946.55	34.54	36.69	92.39	775.03	309.19	1,887.31	1,817.87	69.44	27.178		
7,250.00	7,009.04	7,425.89	6,949.52	34.70	37.18	90.83	773.28	268.43	1,891.89	1,821.70	70.19	26.954		
7,300.00	7,032.26	7,466.73	6,949.91	34.87	37.68	89.44	771.53	227.63	1,896.11	1,825.13	70.98	26.714		
7,350.00	7,052.00	7,512.36	6,949.42	35.08	38.28	88.19	769.57	182.05	1,899.84	1,827.94	71.90	26.424		
7,400.00	7,068.14	7,559.44	6,948.91	35.34	38.94	87.17	767.55	135.01	1,902.92	1,829.99	72.93	26.094		
7,450.00	7,080.57	7,607.70	6,948.39	35.65	39.62	86.40	765.48	86.80	1,905.22	1,831.19	74.03	25.736		
7,500.00	7,089.23	7,656.83	6,947.86	36.01	40.39	85.86	763.37	37.72	1,906.67	1,831.41	75.26	25.335		
7,550.00	7,094.06	7,706.53	6,947.33	36.44	41.17	85.58	761.23	-11.93	1,907.20	1,830.64	76.56	24.912		
7,601.12	7,095.00	7,757.61	6,946.78	36.93	42.03	85.56	759.04	-62.96	1,906.74	1,828.75	78.00	24.446		
7,700.00	7,092.92	7,856.47	6,945.71	38.05	43.76	85.59	754.80	-161.72	1,904.89	1,823.90	81.00	23.518		
7,800.00	7,090.81	7,956.45	6,944.63	39.40	45.63	85.62	750.51	-261.60	1,903.02	1,818.72	84.30	22.574		
7,900.00	7,088.70	8,056.43	6,943.55	40.93	47.59	85.64	746.22	-361.48	1,901.15	1,813.30	87.85	21.640		
8,000.00	7,086.59	8,156.40	6,942.48	42.61	49.64	85.67	741.93	-461.36	1,899.28	1,807.66	91.62	20.730		
8,100.00	7,084.49	8,256.38	6,941.40	44.41	51.77	85.70	737.64	-561.24	1,897.41	1,801.83	95.58	19.852		
8,200.00	7,082.38	8,356.36	6,940.32	46.33	53.96	85.72	733.34	-661.12	1,895.54	1,795.84	99.71	19.011		
8,300.00	7,080.27	8,456.34	6,939.24	48.34	56.21	85.75	729.05	-761.01	1,893.67	1,789.69	103.98	18.212		
8,400.00	7,078.16	8,556.32	6,938.16	50.43	58.51	85.78	724.76	-860.89	1,891.81	1,783.42	108.39	17.454		
8,500.00	7,076.05	8,656.30	6,937.08	52.59	60.86	85.80	720.47	-960.77	1,889.94	1,777.03	112.91	16.739		
8,600.00	7,073.94	8,756.28	6,936.01	54.82	63.25	85.83	716.18	-1,060.65	1,888.07	1,770.54	117.53	16.064		
8,700.00	7,071.84	8,856.25	6,934.93	57.10	65.67	85.86	711.89	-1,160.53	1,886.20	1,763.96	122.24	15.430		
8,800.00	7,069.73	8,956.23	6,933.85	59.44	68.13	85.89	707.60	-1,260.41	1,884.34	1,757.30	127.04	14.833		
8,900.00	7,067.62	9,056.21	6,932.77	61.81	70.62	85.91	703.31	-1,360.29	1,882.47	1,750.57	131.90	14.272		
9,000.00	7,065.51	9,156.19	6,931.69	64.23	73.13	85.94	699.02	-1,460.17	1,880.60	1,743.77	136.83	13.744		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	9,256.17	6,930.62	66.68	75.66	85.97	694.73	-1,560.05	1,878.74	1,736.92	141.82	13.248		
9,200.00	7,061.29	9,356.15	6,929.54	69.15	78.22	86.00	690.44	-1,659.93	1,876.87	1,730.02	146.85	12.781		
9,300.00	7,059.18	9,456.13	6,928.46	71.66	80.79	86.02	686.15	-1,759.81	1,875.01	1,723.07	151.94	12.341		
9,400.00	7,057.08	9,556.10	6,927.38	74.19	83.39	86.05	681.85	-1,859.69	1,873.15	1,716.09	157.06	11.926		
9,500.00	7,054.97	9,656.08	6,926.30	76.75	86.00	86.08	677.56	-1,959.57	1,871.28	1,709.06	162.22	11.535		
9,600.00	7,052.86	9,756.06	6,925.22	79.32	88.62	86.11	673.27	-2,059.45	1,869.42	1,702.00	167.42	11.166		
9,700.00	7,050.75	9,856.04	6,924.15	81.91	91.25	86.13	668.98	-2,159.33	1,867.56	1,694.91	172.64	10.817		
9,800.00	7,048.64	9,956.02	6,923.07	84.52	93.90	86.16	664.69	-2,259.21	1,865.69	1,687.80	177.90	10.487		
9,900.00	7,046.53	10,056.00	6,921.99	87.14	96.56	86.19	660.40	-2,359.10	1,863.83	1,680.65	183.18	10.175		
10,000.00	7,044.43	10,155.98	6,920.91	89.78	99.23	86.22	656.11	-2,458.98	1,861.97	1,673.49	188.48	9.879		
10,100.00	7,042.32	10,255.95	6,919.83	92.43	101.90	86.25	651.82	-2,558.86	1,860.11	1,666.30	193.81	9.598		
10,200.00	7,040.21	10,355.93	6,918.75	95.09	104.59	86.27	647.53	-2,658.74	1,858.25	1,659.09	199.15	9.331		
10,300.00	7,038.10	10,455.91	6,917.68	97.76	107.28	86.30	643.24	-2,758.62	1,856.39	1,651.87	204.52	9.077		
10,400.00	7,035.99	10,555.89	6,916.60	100.44	109.98	86.33	638.95	-2,858.50	1,854.53	1,644.63	209.90	8.835		
10,500.00	7,033.88	10,655.87	6,915.52	103.13	112.69	86.36	634.66	-2,958.38	1,852.67	1,637.37	215.30	8.605		
10,600.00	7,031.78	10,755.85	6,914.44	105.82	115.41	86.39	630.36	-3,058.26	1,850.81	1,630.10	220.71	8.386		
10,700.00	7,029.67	10,855.82	6,913.36	108.53	118.13	86.41	626.07	-3,158.14	1,848.95	1,622.82	226.13	8.176		
10,800.00	7,027.56	10,955.80	6,912.28	111.24	120.85	86.44	621.78	-3,258.02	1,847.09	1,615.52	231.57	7.976		
10,900.00	7,025.45	11,055.78	6,911.21	113.96	123.58	86.47	617.49	-3,357.90	1,845.24	1,608.22	237.02	7.785		
11,000.00	7,023.34	11,155.76	6,910.13	116.68	126.32	86.50	613.20	-3,457.78	1,843.38	1,600.90	242.48	7.602		
11,100.00	7,021.23	11,255.74	6,909.05	119.41	129.06	86.53	608.91	-3,557.66	1,841.52	1,593.57	247.95	7.427		
11,200.00	7,019.13	11,355.72	6,907.97	122.15	131.80	86.56	604.62	-3,657.54	1,839.67	1,586.24	253.43	7.259		
11,300.00	7,017.02	11,455.70	6,906.89	124.89	134.55	86.59	600.33	-3,757.42	1,837.81	1,578.89	258.92	7.098		
11,400.00	7,014.91	11,555.67	6,905.81	127.63	137.30	86.61	596.04	-3,857.30	1,835.96	1,571.54	264.42	6.943		
11,500.00	7,012.80	11,655.65	6,904.74	130.38	140.06	86.64	591.75	-3,957.19	1,834.10	1,564.18	269.92	6.795		
11,600.00	7,010.69	11,755.63	6,903.66	133.14	142.82	86.67	587.46	-4,057.07	1,832.25	1,556.81	275.44	6.652		
11,700.00	7,008.58	11,855.61	6,902.58	135.89	145.58	86.70	583.17	-4,156.95	1,830.39	1,549.44	280.96	6.515		
11,800.00	7,006.47	11,955.59	6,901.50	138.65	148.34	86.73	578.87	-4,256.83	1,828.54	1,542.06	286.48	6.383		
11,900.00	7,004.37	12,055.57	6,900.42	141.42	151.11	86.76	574.58	-4,356.71	1,826.69	1,534.67	292.02	6.255		
12,000.00	7,002.26	12,155.55	6,899.34	144.19	153.88	86.79	570.29	-4,456.59	1,824.84	1,527.28	297.56	6.133		
12,100.00	7,000.15	12,255.52	6,898.27	146.96	156.65	86.82	566.00	-4,556.47	1,822.98	1,519.88	303.10	6.014		
12,200.00	6,998.04	12,355.50	6,897.19	149.73	159.43	86.85	561.71	-4,656.35	1,821.13	1,512.48	308.65	5.900		
12,300.00	6,995.93	12,455.48	6,896.11	152.51	162.20	86.88	557.42	-4,756.23	1,819.28	1,505.08	314.21	5.790		
12,400.00	6,993.82	12,555.46	6,895.03	155.28	164.98	86.91	553.13	-4,856.11	1,817.43	1,497.67	319.77	5.684		
12,500.00	6,991.72	12,655.44	6,893.95	158.06	167.76	86.93	548.84	-4,955.99	1,815.58	1,490.25	325.33	5.581		
12,600.00	6,989.61	12,755.42	6,892.87	160.85	170.55	86.96	544.55	-5,055.87	1,813.73	1,482.83	330.90	5.481		
12,700.00	6,987.50	12,855.40	6,891.80	163.63	173.33	86.99	540.26	-5,155.75	1,811.88	1,475.41	336.47	5.385		
12,800.00	6,985.39	12,955.37	6,890.72	166.42	176.12	87.02	535.97	-5,255.63	1,810.03	1,467.99	342.05	5.292		
12,900.00	6,983.28	13,055.35	6,889.64	169.21	178.91	87.05	531.68	-5,355.51	1,808.19	1,460.56	347.63	5.201		
13,000.00	6,981.17	13,155.33	6,888.56	172.00	181.70	87.08	527.38	-5,455.39	1,806.34	1,453.13	353.21	5.114		
13,100.00	6,979.07	13,255.31	6,887.48	174.79	184.49	87.11	523.09	-5,555.27	1,804.49	1,445.69	358.80	5.029		
13,200.00	6,976.96	13,355.29	6,886.41	177.59	187.28	87.14	518.80	-5,655.16	1,802.65	1,438.25	364.39	4.947		
13,300.00	6,974.85	13,455.27	6,885.33	180.38	190.07	87.17	514.51	-5,755.04	1,800.80	1,430.81	369.98	4.867		
13,400.00	6,972.74	13,555.25	6,884.25	183.18	192.87	87.20	510.22	-5,854.92	1,798.95	1,423.37	375.58	4.790		
13,500.00	6,970.63	13,655.22	6,883.17	185.98	195.67	87.23	505.93	-5,954.80	1,797.11	1,415.93	381.18	4.715		
13,600.00	6,968.52	13,755.20	6,882.09	188.78	198.46	87.26	501.64	-6,054.68	1,795.26	1,408.48	386.78	4.642		
13,700.00	6,966.41	13,855.18	6,881.01	191.58	201.26	87.29	497.35	-6,154.56	1,793.42	1,401.03	392.39	4.571		
13,800.00	6,964.31	13,955.16	6,879.94	194.39	204.06	87.32	493.06	-6,254.44	1,791.58	1,393.58	398.00	4.501		
13,900.00	6,962.20	14,055.14	6,878.86	197.19	206.86	87.35	488.77	-6,354.32	1,789.73	1,386.13	403.61	4.434		
14,000.00	6,960.09	14,155.12	6,877.78	200.00	209.67	87.38	484.48	-6,454.20	1,787.89	1,378.67	409.22	4.369		
14,100.00	6,957.98	14,255.10	6,876.70	202.80	212.47	87.41	480.18	-6,554.08	1,786.05	1,371.21	414.83	4.305		
14,200.00	6,955.87	14,355.07	6,875.62	205.61	215.27	87.44	475.89	-6,653.96	1,784.21	1,363.76	420.45	4.244		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,953.76	14,455.05	6,874.54	208.42	218.08	87.47	471.60	-6,753.84	1,782.37	1,356.30	426.07	4.183		
14,400.00	6,951.66	14,555.03	6,873.47	211.23	220.88	87.50	467.31	-6,853.72	1,780.52	1,348.84	431.69	4.125		
14,500.00	6,949.55	14,655.01	6,872.39	214.04	223.69	87.53	463.02	-6,953.60	1,778.68	1,341.37	437.31	4.067		
14,600.00	6,947.44	14,754.99	6,871.31	216.85	226.50	87.57	458.73	-7,053.48	1,776.85	1,333.91	442.94	4.012		
14,700.00	6,945.33	14,854.97	6,870.23	219.66	229.31	87.60	454.44	-7,153.36	1,775.01	1,326.44	448.56	3.957		
14,800.00	6,943.22	14,954.95	6,869.15	222.48	232.11	87.63	450.15	-7,253.25	1,773.17	1,318.98	454.19	3.904		
14,900.00	6,941.11	15,054.92	6,868.07	225.29	234.92	87.66	445.86	-7,353.13	1,771.33	1,311.51	459.82	3.852		
15,000.00	6,939.01	15,154.90	6,867.00	228.11	237.73	87.69	441.57	-7,453.01	1,769.49	1,304.04	465.45	3.802		
15,100.00	6,936.90	15,254.88	6,865.92	230.92	240.55	87.72	437.28	-7,552.89	1,767.65	1,296.57	471.08	3.752		
15,200.00	6,934.79	15,354.86	6,864.84	233.74	243.36	87.75	432.99	-7,652.77	1,765.82	1,289.10	476.72	3.704		
15,300.00	6,932.68	15,454.84	6,863.76	236.56	246.17	87.78	428.69	-7,752.65	1,763.98	1,281.63	482.35	3.657		
15,400.00	6,930.57	15,554.82	6,862.68	239.37	248.98	87.81	424.40	-7,852.53	1,762.15	1,274.16	487.99	3.611		
15,495.60	6,928.56	15,618.10	6,862.00	242.07	250.76	87.83	421.69	-7,915.75	1,760.69	1,268.26	492.43	3.576		
15,500.00	6,928.46	15,618.10	6,862.00	242.19	250.76	87.83	421.69	-7,915.75	1,760.69	1,268.16	492.53	3.575		
15,521.99	6,928.00	15,618.10	6,862.00	242.81	250.76	87.83	421.69	-7,915.75	1,760.89	1,267.87	493.02	3.572 SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.68	44.81	4.45	45.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	44.81	4.45	45.03	38.46	6.57	6.855		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	44.81	4.45	45.03	38.36	6.67	6.748 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-142.29	44.81	4.45	46.40	39.52	6.89	6.739		
400.00	399.84	400.49	400.47	3.59	3.60	-144.04	44.11	6.07	49.99	42.80	7.19	6.951		
500.00	499.45	501.02	500.86	3.79	3.80	-144.20	41.98	10.91	55.16	47.57	7.59	7.268		
600.00	598.70	601.52	600.97	4.04	4.04	-143.16	38.45	18.98	61.89	53.81	8.07	7.668		
700.00	697.47	701.93	700.61	4.32	4.31	-141.33	33.52	30.24	70.22	61.59	8.63	8.139		
773.50	769.68	775.63	773.45	4.55	4.53	-139.69	29.01	40.54	77.42	68.33	9.08	8.524		
800.00	795.65	802.18	799.62	4.64	4.62	-139.04	27.20	44.67	80.15	70.89	9.25	8.661		
900.00	893.65	902.33	897.90	5.00	4.97	-135.57	19.50	62.24	90.00	80.07	9.94	9.057		
1,000.00	991.65	1,002.18	995.17	5.38	5.34	-130.83	10.46	82.89	99.55	88.87	10.68	9.321		
1,100.00	1,089.66	1,101.50	1,091.08	5.78	5.76	-125.16	0.13	106.49	109.44	97.96	11.49	9.529		
1,200.00	1,187.66	1,200.28	1,185.94	6.20	6.20	-119.52	-10.93	131.73	120.30	107.96	12.34	9.749		
1,300.00	1,285.66	1,299.04	1,280.78	6.63	6.66	-114.84	-21.99	156.99	132.13	118.90	13.23	9.988		
1,400.00	1,383.67	1,402.19	1,375.62	7.07	7.17	-110.94	-33.05	182.24	144.69	130.53	14.17	10.214		
1,500.00	1,481.67	1,503.43	1,470.45	7.51	7.67	-107.67	-44.11	207.50	157.82	142.70	15.11	10.443		
1,600.00	1,579.67	1,595.33	1,565.29	7.97	8.14	-104.90	-55.17	232.75	171.37	155.34	16.02	10.694		
1,700.00	1,677.67	1,705.90	1,660.13	8.43	8.72	-102.55	-66.23	258.01	185.25	168.21	17.04	10.869		
1,800.00	1,775.68	1,792.86	1,754.97	8.90	9.18	-100.52	-77.29	283.26	199.41	181.46	17.95	11.109		
1,900.00	1,873.68	1,908.38	1,849.80	9.37	9.80	-98.77	-88.35	308.51	213.77	194.76	19.01	11.242		
2,000.00	1,971.68	1,990.39	1,944.64	9.84	10.25	-97.23	-99.41	333.77	228.31	208.40	19.91	11.468		
2,100.00	2,069.69	2,089.15	2,039.48	10.32	10.78	-95.88	-110.47	359.02	242.99	222.09	20.90	11.628		
2,200.00	2,167.69	2,187.91	2,134.31	10.80	11.33	-94.68	-121.53	384.28	257.78	235.90	21.89	11.777		
2,300.00	2,265.69	2,286.68	2,229.15	11.28	11.87	-93.62	-132.59	409.53	272.68	249.79	22.89	11.915		
2,400.00	2,363.69	2,385.44	2,323.99	11.77	12.42	-92.66	-143.65	434.79	287.66	263.77	23.89	12.043		
2,500.00	2,461.70	2,484.21	2,418.83	12.25	12.98	-91.80	-154.71	460.04	302.71	277.82	24.89	12.161		
2,600.00	2,559.70	2,582.97	2,513.66	12.74	13.53	-91.02	-165.77	485.29	317.82	291.92	25.90	12.272		
2,700.00	2,657.70	2,681.73	2,608.50	13.23	14.09	-90.31	-176.83	510.55	332.98	306.07	26.91	12.375		
2,800.00	2,755.71	2,780.50	2,703.34	13.72	14.64	-89.66	-187.89	535.80	348.19	320.27	27.92	12.471		
2,900.00	2,853.71	2,879.26	2,798.18	14.21	15.20	-89.07	-198.95	561.06	363.43	334.50	28.93	12.561		
3,000.00	2,951.71	2,978.02	2,893.01	14.70	15.77	-88.52	-210.01	586.31	378.71	348.76	29.95	12.645		
3,100.00	3,049.71	3,076.79	2,987.85	15.20	16.33	-88.02	-221.08	611.57	394.03	363.06	30.97	12.724		
3,200.00	3,147.72	3,175.55	3,082.69	15.69	16.89	-87.56	-232.14	636.82	409.37	377.38	31.99	12.798		
3,300.00	3,245.72	3,274.31	3,177.53	16.19	17.46	-87.12	-243.20	662.07	424.73	391.73	33.01	12.867		
3,400.00	3,343.72	3,380.41	3,279.72	16.69	18.05	-86.82	-254.62	688.16	439.50	405.39	34.11	12.886		
3,500.00	3,441.73	3,489.42	3,385.73	17.18	18.63	-86.94	-264.81	711.42	452.15	416.94	35.21	12.841		
3,600.00	3,539.73	3,598.83	3,493.01	17.68	19.17	-87.48	-273.40	731.03	462.63	426.35	36.28	12.751		
3,700.00	3,637.73	3,708.31	3,601.11	18.18	19.68	-88.42	-280.34	746.89	471.02	433.69	37.32	12.620		
3,800.00	3,735.73	3,817.55	3,709.55	18.68	20.15	-89.74	-285.61	758.93	477.44	439.11	38.33	12.456		
3,900.00	3,833.74	3,926.24	3,817.86	19.18	20.59	-91.42	-289.21	767.15	482.10	442.80	39.30	12.266		
4,000.00	3,931.74	4,034.06	3,925.57	19.67	21.00	-93.48	-291.15	771.57	485.27	445.03	40.24	12.059		
4,100.00	4,029.74	4,138.24	4,029.74	20.17	21.37	-95.81	-291.54	772.45	487.35	446.21	41.14	11.845		
4,200.00	4,127.75	4,236.24	4,127.75	20.67	21.70	-98.08	-291.54	772.45	489.81	447.79	42.02	11.656		
4,300.00	4,225.75	4,334.25	4,225.75	21.18	22.04	-100.33	-291.54	772.45	493.05	450.16	42.89	11.496		
4,400.00	4,323.75	4,432.25	4,323.75	21.68	22.38	-102.54	-291.54	772.45	497.07	453.33	43.75	11.363		
4,500.00	4,421.76	4,530.25	4,421.76	22.18	22.73	-104.71	-291.54	772.45	501.85	457.25	44.59	11.253		
4,600.00	4,519.76	4,628.26	4,519.76	22.68	23.08	-106.85	-291.54	772.45	507.36	461.92	45.43	11.167		
4,700.00	4,617.76	4,726.26	4,617.76	23.18	23.43	-108.93	-291.54	772.45	513.58	467.31	46.27	11.100		
4,800.00	4,715.76	4,824.26	4,715.76	23.68	23.78	-110.97	-291.54	772.45	520.49	473.40	47.09	11.053		
4,900.00	4,813.77	4,922.27	4,813.77	24.18	24.13	-112.95	-291.54	772.45	528.05	480.15	47.91	11.022		
5,000.00	4,911.77	5,020.27	4,911.77	24.69	24.49	-114.87	-291.54	772.45	536.25	487.53	48.72	11.007		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,118.27	5,009.77	25.19	24.85	-116.74	-291.54	772.45	545.05	495.53	49.52	11.006		
5,200.00	5,107.78	5,216.27	5,107.78	25.69	25.21	-118.55	-291.54	772.45	554.42	504.10	50.32	11.017		
5,300.00	5,205.78	5,314.28	5,205.78	26.19	25.58	-120.29	-291.54	772.45	564.34	513.22	51.12	11.039		
5,400.00	5,303.78	5,412.28	5,303.78	26.70	25.95	-121.98	-291.54	772.45	574.78	522.86	51.92	11.071		
5,500.00	5,401.78	5,510.28	5,401.78	27.20	26.31	-123.61	-291.54	772.45	585.71	533.00	52.71	11.112		
5,600.00	5,499.79	5,608.29	5,499.79	27.70	26.68	-125.18	-291.54	772.45	597.09	543.60	53.50	11.161		
5,700.00	5,597.79	5,706.29	5,597.79	28.21	27.06	-126.69	-291.54	772.45	608.92	554.63	54.29	11.217		
5,800.00	5,695.79	5,804.29	5,695.79	28.71	27.43	-128.14	-291.54	772.45	621.16	566.08	55.08	11.278		
5,900.00	5,793.80	5,902.29	5,793.80	29.22	27.81	-129.54	-291.54	772.45	633.78	577.91	55.86	11.345		
6,000.00	5,891.80	6,000.30	5,891.80	29.72	28.18	-130.88	-291.54	772.45	646.77	590.11	56.65	11.416		
6,100.00	5,989.80	6,101.70	5,989.80	30.22	28.57	-132.17	-291.54	772.45	660.10	602.64	57.46	11.488		
6,200.00	6,087.80	6,203.70	6,087.80	30.73	28.97	-133.41	-291.54	772.45	673.76	615.49	58.27	11.564		
6,300.00	6,185.81	6,305.69	6,185.81	31.23	29.37	-134.60	-291.54	772.45	687.72	628.64	59.07	11.642		
6,400.00	6,283.81	6,407.69	6,283.81	31.74	29.77	-135.75	-291.54	772.45	701.96	642.08	59.89	11.722		
6,500.00	6,381.81	6,509.69	6,381.81	32.24	30.17	-136.85	-291.54	772.45	716.48	655.78	60.70	11.804		
6,520.79	6,402.19	6,510.69	6,402.19	32.35	30.17	-137.07	-291.54	772.45	719.53	658.74	60.79	11.837		
6,550.00	6,430.87	6,539.37	6,430.87	32.49	30.28	-150.11	-291.54	772.45	723.96	662.94	61.02	11.864		
6,600.00	6,480.12	6,588.62	6,480.12	32.72	30.48	-176.37	-291.54	772.45	732.15	670.72	61.43	11.919		
6,650.00	6,529.30	6,637.79	6,529.30	32.93	30.67	159.84	-291.54	772.45	741.02	679.19	61.83	11.984		
6,700.00	6,578.09	6,699.78	6,591.19	33.12	30.90	143.38	-291.63	769.65	750.14	687.79	62.34	12.032		
6,750.00	6,626.21	6,763.01	6,653.74	33.30	31.14	132.68	-291.92	760.60	758.96	696.12	62.84	12.079		
6,800.00	6,673.34	6,826.78	6,715.61	33.46	31.39	125.46	-292.42	745.25	767.41	704.11	63.31	12.122		
6,850.00	6,719.21	6,890.95	6,776.00	33.61	31.66	120.27	-293.12	723.64	775.45	711.68	63.76	12.162		
6,900.00	6,763.53	6,955.37	6,834.12	33.75	31.94	116.32	-294.01	695.94	783.00	718.78	64.22	12.193		
6,950.00	6,806.03	7,019.87	6,889.22	33.89	32.26	113.15	-295.09	662.47	790.02	725.34	64.69	12.213		
7,000.00	6,846.44	7,084.27	6,940.57	34.02	32.60	110.51	-296.35	623.67	796.48	731.30	65.18	12.219		
7,050.00	6,884.52	7,148.42	6,987.56	34.15	32.97	108.23	-297.76	580.06	802.35	736.63	65.72	12.209		
7,100.00	6,920.03	7,212.13	7,029.65	34.27	33.40	106.22	-299.30	532.30	807.59	741.27	66.32	12.177		
7,150.00	6,952.75	7,275.25	7,066.44	34.40	33.87	104.42	-300.96	481.06	812.21	745.21	67.00	12.122		
7,200.00	6,982.48	7,337.65	7,097.63	34.54	34.40	102.78	-302.70	427.08	816.18	748.42	67.76	12.045		
7,250.00	7,009.04	7,399.18	7,123.08	34.70	34.98	101.27	-304.51	371.11	819.51	750.90	68.61	11.945		
7,300.00	7,032.26	7,459.77	7,142.74	34.87	35.61	99.89	-306.36	313.86	822.20	752.65	69.55	11.822		
7,350.00	7,052.00	7,519.31	7,156.67	35.08	36.28	98.61	-308.23	256.02	824.27	753.69	70.58	11.679		
7,400.00	7,068.14	7,577.75	7,165.03	35.34	36.98	97.43	-310.10	198.24	825.72	754.04	71.68	11.520		
7,450.00	7,080.57	7,635.04	7,168.05	35.65	37.71	96.35	-311.95	141.07	826.57	753.73	72.83	11.349		
7,500.00	7,089.23	7,686.07	7,167.47	36.01	38.38	95.52	-313.60	90.08	826.95	752.94	74.01	11.173		
7,550.00	7,094.06	7,735.74	7,166.75	36.44	39.10	95.05	-315.20	40.43	827.09	751.82	75.26	10.989		
7,601.12	7,095.00	7,786.82	7,166.02	36.93	39.85	94.94	-316.85	-10.61	826.91	750.31	76.61	10.794		
7,700.00	7,092.92	7,885.69	7,164.59	38.05	41.42	94.99	-320.05	-109.43	826.25	746.79	79.45	10.399		
7,800.00	7,090.81	7,985.69	7,163.15	39.40	43.15	95.04	-323.28	-209.36	825.57	742.95	82.62	9.992		
7,900.00	7,088.70	8,085.68	7,161.70	40.93	44.99	95.09	-326.51	-309.29	824.90	738.85	86.05	9.587		
8,000.00	7,086.59	8,185.68	7,160.26	42.61	46.93	95.14	-329.74	-409.22	824.22	734.52	89.70	9.189		
8,100.00	7,084.49	8,285.67	7,158.82	44.41	48.97	95.19	-332.97	-509.16	823.55	730.00	93.55	8.803		
8,200.00	7,082.38	8,385.67	7,157.37	46.33	51.08	95.24	-336.20	-609.09	822.88	725.30	97.58	8.433		
8,300.00	7,080.27	8,485.66	7,155.93	48.34	53.26	95.29	-339.43	-709.02	822.21	720.44	101.77	8.079		
8,400.00	7,078.16	8,585.66	7,154.49	50.43	55.50	95.34	-342.66	-808.95	821.53	715.44	106.09	7.744		
8,500.00	7,076.05	8,685.65	7,153.05	52.59	57.79	95.39	-345.89	-908.89	820.86	710.33	110.54	7.426		
8,600.00	7,073.94	8,785.65	7,151.60	54.82	60.13	95.44	-349.12	-1,008.82	820.19	705.11	115.09	7.127		
8,700.00	7,071.84	8,885.65	7,150.16	57.10	62.51	95.49	-352.36	-1,108.75	819.53	699.79	119.73	6.845		
8,800.00	7,069.73	8,985.64	7,148.72	59.44	64.93	95.55	-355.59	-1,208.68	818.86	694.40	124.46	6.579		
8,900.00	7,067.62	9,085.64	7,147.27	61.81	67.39	95.60	-358.82	-1,308.62	818.19	688.92	129.27	6.330		
9,000.00	7,065.51	9,185.63	7,145.83	64.23	69.87	95.65	-362.05	-1,408.55	817.52	683.39	134.14	6.095		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	9,285.63	7,144.39	66.68	72.38	95.70	-365.28	-1,508.48	816.86	677.79	139.06	5.874		
9,200.00	7,061.29	9,385.62	7,142.94	69.15	74.91	95.75	-368.51	-1,608.41	816.19	672.14	144.05	5.666		
9,300.00	7,059.18	9,485.62	7,141.50	71.66	77.47	95.80	-371.74	-1,708.35	815.53	666.45	149.08	5.471		
9,400.00	7,057.08	9,585.61	7,140.06	74.19	80.04	95.85	-374.97	-1,808.28	814.86	660.71	154.15	5.286		
9,500.00	7,054.97	9,685.61	7,138.62	76.75	82.64	95.91	-378.20	-1,908.21	814.20	654.94	159.26	5.112		
9,600.00	7,052.86	9,785.60	7,137.17	79.32	85.25	95.96	-381.43	-2,008.14	813.53	649.13	164.40	4.948		
9,700.00	7,050.75	9,885.60	7,135.73	81.91	87.87	96.01	-384.66	-2,108.07	812.87	643.29	169.58	4.793		
9,800.00	7,048.64	9,985.59	7,134.29	84.52	90.51	96.06	-387.89	-2,208.01	812.21	637.43	174.78	4.647		
9,900.00	7,046.53	10,085.59	7,132.84	87.14	93.15	96.11	-391.12	-2,307.94	811.55	631.53	180.02	4.508		
10,000.00	7,044.43	10,185.58	7,131.40	89.78	95.81	96.17	-394.36	-2,407.87	810.89	625.62	185.27	4.377		
10,100.00	7,042.32	10,285.58	7,129.96	92.43	98.49	96.22	-397.59	-2,507.80	810.23	619.68	190.55	4.252		
10,200.00	7,040.21	10,385.57	7,128.51	95.09	101.16	96.27	-400.82	-2,607.74	809.57	613.73	195.84	4.134		
10,300.00	7,038.10	10,485.57	7,127.07	97.76	103.85	96.32	-404.05	-2,707.67	808.91	607.76	201.15	4.021		
10,400.00	7,035.99	10,585.56	7,125.63	100.44	106.55	96.38	-407.28	-2,807.60	808.25	601.77	206.48	3.914		
10,500.00	7,033.88	10,685.56	7,124.19	103.13	109.25	96.43	-410.51	-2,907.53	807.60	595.77	211.83	3.812		
10,600.00	7,031.78	10,785.55	7,122.74	105.82	111.97	96.48	-413.74	-3,007.47	806.94	589.75	217.19	3.715		
10,700.00	7,029.67	10,885.55	7,121.30	108.53	114.68	96.54	-416.97	-3,107.40	806.29	583.73	222.56	3.623		
10,800.00	7,027.56	10,985.54	7,119.86	111.24	117.41	96.59	-420.20	-3,207.33	805.63	577.69	227.94	3.534		
10,900.00	7,025.45	11,085.54	7,118.41	113.96	120.13	96.64	-423.43	-3,307.26	804.98	571.64	233.34	3.450		
11,000.00	7,023.34	11,185.53	7,116.97	116.68	122.87	96.69	-426.66	-3,407.20	804.32	565.58	238.74	3.369		
11,100.00	7,021.23	11,285.53	7,115.53	119.41	125.61	96.75	-429.89	-3,507.13	803.67	559.52	244.15	3.292		
11,200.00	7,019.13	11,385.52	7,114.08	122.15	128.35	96.80	-433.12	-3,607.06	803.02	553.44	249.58	3.218		
11,300.00	7,017.02	11,485.52	7,112.64	124.89	131.10	96.85	-436.36	-3,706.99	802.37	547.36	255.01	3.146		
11,400.00	7,014.91	11,585.51	7,111.20	127.63	133.85	96.91	-439.59	-3,806.93	801.72	541.27	260.44	3.078		
11,500.00	7,012.80	11,685.51	7,109.76	130.38	136.61	96.96	-442.82	-3,906.86	801.07	535.18	265.89	3.013		
11,600.00	7,010.69	11,785.50	7,108.31	133.14	139.37	97.02	-446.05	-4,006.79	800.42	529.08	271.34	2.950		
11,700.00	7,008.58	11,885.50	7,106.87	135.89	142.13	97.07	-449.28	-4,106.72	799.77	522.98	276.79	2.889		
11,800.00	7,006.47	11,985.49	7,105.43	138.65	144.89	97.12	-452.51	-4,206.66	799.12	516.87	282.25	2.831		
11,900.00	7,004.37	12,085.49	7,103.98	141.42	147.66	97.18	-455.74	-4,306.59	798.47	510.75	287.72	2.775		
12,000.00	7,002.26	12,185.48	7,102.54	144.19	150.43	97.23	-458.97	-4,406.52	797.83	504.64	293.19	2.721		
12,100.00	7,000.15	12,285.48	7,101.10	146.96	153.21	97.28	-462.20	-4,506.45	797.18	498.52	298.66	2.669		
12,200.00	6,998.04	12,385.47	7,099.65	149.73	155.98	97.34	-465.43	-4,606.39	796.53	492.39	304.14	2.619		
12,300.00	6,995.93	12,485.47	7,098.21	152.51	158.76	97.39	-468.66	-4,706.32	795.89	486.27	309.62	2.571		
12,400.00	6,993.82	12,585.46	7,096.77	155.28	161.54	97.45	-471.89	-4,806.25	795.25	480.14	315.11	2.524		
12,500.00	6,991.72	12,685.46	7,095.33	158.06	164.33	97.50	-475.12	-4,906.18	794.60	474.01	320.59	2.479		
12,600.00	6,989.61	12,785.45	7,093.88	160.85	167.11	97.56	-478.35	-5,006.12	793.96	467.88	326.09	2.435		
12,700.00	6,987.50	12,885.45	7,092.44	163.63	169.90	97.61	-481.59	-5,106.05	793.32	461.74	331.58	2.393		
12,800.00	6,985.39	12,985.44	7,091.00	166.42	172.69	97.67	-484.82	-5,205.98	792.68	455.61	337.07	2.352		
12,900.00	6,983.28	13,085.44	7,089.55	169.21	175.48	97.72	-488.05	-5,305.91	792.04	449.47	342.57	2.312		
13,000.00	6,981.17	13,185.43	7,088.11	172.00	178.27	97.78	-491.28	-5,405.85	791.40	443.33	348.07	2.274		
13,100.00	6,979.07	13,285.43	7,086.67	174.79	181.07	97.83	-494.51	-5,505.78	790.76	437.19	353.57	2.236		
13,200.00	6,976.96	13,385.42	7,085.22	177.59	183.86	97.89	-497.74	-5,605.71	790.12	431.05	359.07	2.200		
13,300.00	6,974.85	13,485.42	7,083.78	180.38	186.66	97.94	-500.97	-5,705.64	789.49	424.91	364.58	2.165		
13,400.00	6,972.74	13,585.41	7,082.34	183.18	189.46	98.00	-504.20	-5,805.58	788.85	418.77	370.08	2.132		
13,500.00	6,970.63	13,685.41	7,080.90	185.98	192.26	98.05	-507.43	-5,905.51	788.21	412.62	375.59	2.099		
13,600.00	6,968.52	13,785.40	7,079.45	188.78	195.06	98.11	-510.66	-6,005.44	787.58	406.48	381.10	2.067		
13,700.00	6,966.41	13,885.40	7,078.01	191.58	197.86	98.16	-513.89	-6,105.37	786.95	400.34	386.61	2.036		
13,800.00	6,964.31	13,985.39	7,076.57	194.39	200.66	98.22	-517.12	-6,205.31	786.31	394.20	392.11	2.005		
13,900.00	6,962.20	14,085.39	7,075.12	197.19	203.47	98.27	-520.35	-6,305.24	785.68	388.06	397.62	1.976		
14,000.00	6,960.09	14,185.38	7,073.68	200.00	206.27	98.33	-523.59	-6,405.17	785.05	381.91	403.13	1.947		
14,100.00	6,957.98	14,285.38	7,072.24	202.80	209.08	98.39	-526.82	-6,505.10	784.42	375.77	408.64	1.920		
14,200.00	6,955.87	14,385.37	7,070.79	205.61	211.89	98.44	-530.05	-6,605.04	783.79	369.63	414.15	1.893		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,953.76	14,485.37	7,069.35	208.42	214.70	98.50	-533.28	-6,704.97	783.16	363.49	419.66	1.866		
14,400.00	6,951.66	14,585.36	7,067.91	211.23	217.50	98.55	-536.51	-6,804.90	782.53	357.35	425.17	1.840		
14,500.00	6,949.55	14,685.36	7,066.47	214.04	220.31	98.61	-539.74	-6,904.83	781.90	351.22	430.68	1.815		
14,600.00	6,947.44	14,785.35	7,065.02	216.85	223.13	98.67	-542.97	-7,004.77	781.27	345.08	436.19	1.791		
14,700.00	6,945.33	14,885.35	7,063.58	219.66	225.94	98.72	-546.20	-7,104.70	780.64	338.94	441.70	1.767		
14,800.00	6,943.22	14,985.35	7,062.14	222.48	228.75	98.78	-549.43	-7,204.63	780.02	332.81	447.21	1.744		
14,900.00	6,941.11	15,085.34	7,060.69	225.29	231.56	98.84	-552.66	-7,304.56	779.39	326.67	452.72	1.722		
15,000.00	6,939.01	15,185.34	7,059.25	228.11	234.38	98.89	-555.89	-7,404.50	778.77	320.54	458.23	1.700		
15,100.00	6,936.90	15,285.33	7,057.81	230.92	237.19	98.95	-559.12	-7,504.43	778.14	314.41	463.74	1.678		
15,200.00	6,934.79	15,385.33	7,056.36	233.74	240.01	99.01	-562.35	-7,604.36	777.52	308.28	469.24	1.657		
15,300.00	6,932.68	15,485.32	7,054.92	236.56	242.82	99.06	-565.59	-7,704.29	776.90	302.15	474.75	1.636		
15,400.00	6,930.57	15,585.32	7,053.48	239.37	245.64	99.12	-568.82	-7,804.23	776.28	296.02	480.25	1.616		
15,500.00	6,928.46	15,685.31	7,052.04	242.19	248.46	99.18	-572.05	-7,904.16	775.66	289.90	485.76	1.597		
15,510.31	6,928.25	15,695.62	7,051.89	242.48	248.75	99.18	-572.38	-7,914.46	775.59	289.27	486.33	1.595 SF		
15,521.99	6,928.00	15,687.75	7,052.00	242.81	248.53	99.18	-572.13	-7,906.60	775.77	289.44	486.33	1.595		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	59.75	5.85	60.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	59.75	5.85	60.03	53.47	6.57	9.139		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	59.75	5.85	60.03	53.36	6.67	8.995 CC, ES		
300.00	299.98	300.10	300.08	3.44	3.44	-140.42	59.48	7.57	61.29	54.41	6.88	8.905		
400.00	399.84	400.09	399.93	3.59	3.60	-138.70	58.66	12.74	65.10	57.91	7.19	9.056		
500.00	499.45	499.84	499.29	3.79	3.80	-136.24	57.30	21.33	71.54	63.95	7.59	9.426		
600.00	598.70	600.74	597.98	4.04	4.05	-133.48	55.41	33.24	80.71	72.63	8.08	9.987		
700.00	697.47	701.45	696.37	4.32	4.33	-132.06	53.33	46.37	92.45	83.80	8.65	10.689		
773.50	769.68	771.34	768.51	4.55	4.55	-132.13	51.81	55.99	102.57	93.47	9.09	11.278		
800.00	795.65	802.44	794.49	4.64	4.65	-132.33	51.26	59.45	106.44	97.16	9.28	11.468		
900.00	893.65	903.53	892.51	5.00	4.99	-132.98	49.19	72.52	121.08	111.12	9.96	12.155		
1,000.00	991.65	1,004.61	990.54	5.38	5.35	-133.49	47.12	85.60	135.73	125.05	10.68	12.706		
1,100.00	1,089.66	1,105.70	1,088.56	5.78	5.73	-133.91	45.05	98.67	150.39	138.95	11.44	13.149		
1,200.00	1,187.66	1,206.78	1,186.59	6.20	6.12	-134.24	42.98	111.74	165.05	152.83	12.22	13.507		
1,300.00	1,285.66	1,307.87	1,284.61	6.63	6.53	-134.53	40.91	124.82	179.72	166.69	13.02	13.798		
1,400.00	1,383.67	1,408.95	1,382.64	7.07	6.94	-134.77	38.84	137.89	194.39	180.54	13.85	14.037		
1,500.00	1,481.67	1,489.96	1,480.66	7.51	7.27	-134.97	36.76	150.96	209.07	194.46	14.60	14.315		
1,600.00	1,579.67	1,588.88	1,578.69	7.97	7.69	-135.15	34.69	164.04	223.74	208.30	15.45	14.485		
1,700.00	1,677.67	1,687.79	1,676.71	8.43	8.11	-135.31	32.62	177.11	238.42	222.12	16.30	14.628		
1,800.00	1,775.68	1,786.70	1,774.74	8.90	8.53	-135.45	30.55	190.18	253.10	235.94	17.16	14.748		
1,900.00	1,873.68	1,885.62	1,872.76	9.37	8.96	-135.57	28.48	203.26	267.79	249.75	18.03	14.850		
2,000.00	1,971.68	1,984.53	1,970.79	9.84	9.39	-135.69	26.41	216.33	282.47	263.56	18.91	14.938		
2,100.00	2,069.69	2,083.45	2,068.81	10.32	9.82	-135.79	24.34	229.40	297.15	277.36	19.79	15.013		
2,200.00	2,167.69	2,182.36	2,166.84	10.80	10.26	-135.88	22.27	242.48	311.84	291.16	20.68	15.079		
2,300.00	2,265.69	2,281.28	2,264.87	11.28	10.70	-135.96	20.20	255.55	326.52	304.95	21.57	15.135		
2,400.00	2,363.69	2,380.19	2,362.89	11.77	11.14	-136.03	18.13	268.62	341.21	318.74	22.47	15.185		
2,500.00	2,461.70	2,479.11	2,460.92	12.25	11.58	-136.10	16.06	281.70	355.90	332.52	23.37	15.228		
2,600.00	2,559.70	2,578.02	2,558.94	12.74	12.03	-136.17	13.99	294.77	370.58	346.31	24.27	15.267		
2,700.00	2,657.70	2,676.94	2,656.97	13.23	12.47	-136.23	11.92	307.84	385.27	360.09	25.18	15.300		
2,800.00	2,755.71	2,775.85	2,754.99	13.72	12.92	-136.28	9.85	320.91	399.96	373.87	26.09	15.330		
2,900.00	2,853.71	2,874.77	2,853.02	14.21	13.37	-136.33	7.78	333.99	414.65	387.65	27.00	15.357		
3,000.00	2,951.71	2,973.68	2,951.04	14.70	13.82	-136.38	5.71	347.06	429.33	401.42	27.91	15.381		
3,100.00	3,049.71	3,072.60	3,049.07	15.20	14.27	-136.42	3.64	360.13	444.02	415.19	28.83	15.402		
3,200.00	3,147.72	3,171.51	3,147.09	15.69	14.72	-136.46	1.57	373.21	458.71	428.97	29.75	15.421		
3,300.00	3,245.72	3,270.43	3,245.12	16.19	15.17	-136.50	-0.51	386.28	473.40	442.74	30.66	15.439		
3,400.00	3,343.72	3,369.34	3,343.14	16.69	15.62	-136.54	-2.58	399.35	488.09	456.51	31.58	15.454		
3,500.00	3,441.73	3,468.26	3,441.17	17.18	16.07	-136.57	-4.65	412.43	502.78	470.28	32.50	15.468		
3,600.00	3,539.73	3,567.17	3,539.19	17.68	16.53	-136.61	-6.72	425.50	517.47	484.04	33.43	15.481		
3,700.00	3,637.73	3,666.09	3,637.22	18.18	16.98	-136.64	-8.79	438.57	532.16	497.81	34.35	15.493		
3,800.00	3,735.73	3,765.00	3,735.24	18.68	17.43	-136.66	-10.86	451.65	546.85	511.58	35.27	15.503		
3,900.00	3,833.74	3,863.91	3,833.27	19.18	17.89	-136.69	-12.93	464.72	561.54	525.34	36.20	15.513		
4,000.00	3,931.74	3,962.83	3,931.29	19.67	18.34	-136.72	-15.00	477.79	576.23	539.11	37.12	15.522		
4,100.00	4,029.74	4,061.74	4,029.32	20.17	18.80	-136.74	-17.07	490.87	590.92	552.87	38.05	15.530		
4,200.00	4,127.75	4,160.66	4,127.34	20.67	19.25	-136.77	-19.14	503.94	605.61	566.63	38.98	15.537		
4,300.00	4,225.75	4,259.57	4,225.37	21.18	19.71	-136.79	-21.21	517.01	620.30	580.40	39.91	15.544		
4,400.00	4,323.75	4,358.49	4,323.39	21.68	20.17	-136.81	-23.28	530.09	634.99	594.16	40.83	15.551		
4,500.00	4,421.76	4,457.40	4,421.42	22.18	20.62	-136.83	-25.35	543.16	649.68	607.92	41.76	15.556		
4,600.00	4,519.76	4,556.32	4,519.44	22.68	21.08	-136.85	-27.42	556.23	664.37	621.68	42.69	15.562		
4,700.00	4,617.76	4,655.23	4,617.47	23.18	21.54	-136.87	-29.49	569.30	679.07	635.44	43.62	15.566		
4,800.00	4,715.76	4,754.15	4,715.49	23.68	22.00	-136.89	-31.56	582.38	693.76	649.20	44.55	15.571		
4,900.00	4,813.77	4,853.06	4,813.52	24.18	22.45	-136.90	-33.63	595.45	708.45	662.96	45.49	15.575		
5,000.00	4,911.77	4,951.98	4,911.55	24.69	22.91	-136.92	-35.71	608.52	723.14	676.72	46.42	15.579		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,050.89	5,009.57	25.19	23.37	-136.94	-37.78	621.60	737.83	690.48	47.35	15.583		
5,200.00	5,107.78	5,149.81	5,107.60	25.69	23.83	-136.95	-39.85	634.67	752.52	704.24	48.28	15.586		
5,300.00	5,205.78	5,248.72	5,205.62	26.19	24.29	-136.97	-41.92	647.74	767.21	718.00	49.21	15.589		
5,400.00	5,303.78	5,347.64	5,303.65	26.70	24.74	-136.98	-43.99	660.82	781.90	731.76	50.15	15.592		
5,500.00	5,401.78	5,446.55	5,401.67	27.20	25.20	-136.99	-46.06	673.89	796.59	745.51	51.08	15.594		
5,600.00	5,499.79	5,545.47	5,499.70	27.70	25.66	-137.01	-48.13	686.96	811.29	759.27	52.02	15.597		
5,700.00	5,597.79	5,644.38	5,597.72	28.21	26.12	-137.02	-50.20	700.04	825.98	773.03	52.95	15.599		
5,800.00	5,695.79	5,743.30	5,695.75	28.71	26.58	-137.03	-52.27	713.11	840.67	786.78	53.88	15.601		
5,900.00	5,793.80	5,842.21	5,793.77	29.22	27.04	-137.04	-54.34	726.18	855.36	800.54	54.82	15.603		
6,000.00	5,891.80	5,941.12	5,891.80	29.72	27.50	-137.05	-56.41	739.26	870.05	814.30	55.75	15.605		
6,100.00	5,989.80	6,040.04	5,989.82	30.22	27.96	-137.06	-58.48	752.33	884.74	828.05	56.69	15.607		
6,200.00	6,087.80	6,138.95	6,087.85	30.73	28.42	-137.07	-60.55	765.40	899.44	841.81	57.62	15.609		
6,300.00	6,185.81	6,237.87	6,185.87	31.23	28.88	-137.08	-62.62	778.47	914.13	855.57	58.56	15.610		
6,400.00	6,283.81	6,349.35	6,296.52	31.74	29.39	-137.19	-65.02	791.65	928.60	869.01	59.59	15.582		
6,500.00	6,381.81	6,483.52	6,430.27	32.24	29.90	-138.61	-68.71	785.91	940.10	879.50	60.60	15.513		
6,520.79	6,402.19	6,510.04	6,456.40	32.35	30.00	-139.08	-69.56	781.45	942.10	881.32	60.79	15.499		
6,550.00	6,430.87	6,546.47	6,491.93	32.49	30.13	-152.41	-70.77	773.56	944.87	883.84	61.03	15.481		
6,600.00	6,480.12	6,607.07	6,549.86	32.72	30.35	-179.37	-72.93	755.98	949.71	888.28	61.44	15.459		
6,650.00	6,529.30	6,665.54	6,603.93	32.93	30.58	155.89	-75.15	733.86	954.71	892.88	61.82	15.443		
6,700.00	6,578.09	6,722.01	6,653.99	33.12	30.80	138.31	-77.41	707.89	959.85	897.65	62.20	15.432		
6,750.00	6,626.21	6,776.61	6,700.03	33.30	31.03	126.57	-79.68	678.65	965.14	902.56	62.58	15.423		
6,800.00	6,673.34	6,829.48	6,742.05	33.46	31.26	118.39	-81.96	646.67	970.55	907.58	62.96	15.415		
6,850.00	6,719.21	6,880.75	6,780.14	33.61	31.51	112.34	-84.21	612.44	976.05	912.70	63.35	15.406		
6,900.00	6,763.53	6,930.57	6,814.38	33.75	31.78	107.61	-86.43	576.35	981.61	917.86	63.75	15.397		
6,950.00	6,806.03	6,979.04	6,844.89	33.89	32.06	103.76	-88.61	538.76	987.19	923.02	64.17	15.385		
7,000.00	6,846.44	7,026.29	6,871.79	34.02	32.36	100.52	-90.73	499.99	992.74	928.15	64.59	15.370		
7,050.00	6,884.52	7,072.43	6,895.21	34.15	32.69	97.73	-92.80	460.30	998.21	933.17	65.04	15.349		
7,100.00	6,920.03	7,117.56	6,915.28	34.27	33.05	95.30	-94.81	419.94	1,003.55	938.04	65.51	15.320		
7,150.00	6,952.75	7,161.76	6,932.11	34.40	33.42	93.15	-96.75	379.12	1,008.70	942.70	66.00	15.282		
7,200.00	6,982.48	7,205.12	6,945.83	34.54	33.82	91.24	-98.62	338.04	1,013.62	947.08	66.54	15.233		
7,250.00	7,009.04	7,247.72	6,956.56	34.70	34.25	89.54	-100.42	296.86	1,018.25	951.13	67.12	15.170		
7,300.00	7,032.26	7,289.62	6,964.39	34.87	34.69	88.02	-102.14	255.74	1,022.55	954.79	67.76	15.092		
7,350.00	7,052.00	7,330.89	6,969.45	35.08	35.15	86.68	-103.78	214.82	1,026.46	958.02	68.44	14.998		
7,400.00	7,068.14	7,371.58	6,971.83	35.34	35.63	85.51	-105.33	174.24	1,029.94	960.75	69.18	14.887		
7,450.00	7,080.57	7,414.92	6,971.77	35.65	36.16	84.46	-106.92	130.94	1,032.92	962.89	70.03	14.750		
7,500.00	7,089.23	7,464.02	6,971.12	36.01	36.81	83.64	-108.71	81.87	1,035.04	964.01	71.04	14.571		
7,550.00	7,094.06	7,513.70	6,970.47	36.44	37.49	83.17	-110.53	32.23	1,036.12	963.96	72.16	14.359		
7,601.12	7,095.00	7,564.78	6,969.80	36.93	38.24	83.07	-112.39	-18.81	1,036.08	962.62	73.46	14.104		
7,700.00	7,092.92	7,663.65	6,968.50	38.05	39.80	83.11	-115.99	-117.61	1,034.85	958.59	76.26	13.570		
7,800.00	7,090.81	7,763.64	6,967.18	39.40	41.51	83.14	-119.64	-217.53	1,033.62	954.23	79.39	13.020		
7,900.00	7,088.70	7,863.63	6,965.87	40.93	43.34	83.18	-123.28	-317.44	1,032.38	949.59	82.79	12.470		
8,000.00	7,086.59	7,963.62	6,964.55	42.61	45.27	83.22	-126.93	-417.36	1,031.15	944.72	86.43	11.931		
8,100.00	7,084.49	8,063.61	6,963.24	44.41	47.30	83.25	-130.57	-517.27	1,029.91	939.63	90.28	11.408		
8,200.00	7,082.38	8,163.60	6,961.92	46.33	49.41	83.29	-134.21	-617.19	1,028.67	934.37	94.31	10.908		
8,300.00	7,080.27	8,263.59	6,960.61	48.34	51.59	83.32	-137.86	-717.10	1,027.44	928.94	98.50	10.431		
8,400.00	7,078.16	8,363.58	6,959.29	50.43	53.83	83.36	-141.50	-817.02	1,026.21	923.37	102.84	9.979		
8,500.00	7,076.05	8,463.57	6,957.98	52.59	56.12	83.40	-145.15	-916.93	1,024.97	917.67	107.30	9.553		
8,600.00	7,073.94	8,563.56	6,956.67	54.82	58.47	83.43	-148.79	-1,016.85	1,023.74	911.87	111.87	9.151		
8,700.00	7,071.84	8,663.56	6,955.35	57.10	60.85	83.47	-152.44	-1,116.76	1,022.50	905.97	116.53	8.774		
8,800.00	7,069.73	8,763.55	6,954.04	59.44	63.27	83.51	-156.08	-1,216.68	1,021.27	899.98	121.29	8.420		
8,900.00	7,067.62	8,863.54	6,952.72	61.81	65.73	83.55	-159.73	-1,316.59	1,020.04	893.92	126.12	8.088		
9,000.00	7,065.51	8,963.53	6,951.41	64.23	68.22	83.58	-163.37	-1,416.51	1,018.81	887.79	131.01	7.776		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	9,063.52	6,950.09	66.68	70.73	83.62	-167.02	-1,516.42	1,017.58	881.60	135.97	7.484		
9,200.00	7,061.29	9,163.51	6,948.78	69.15	73.27	83.66	-170.66	-1,616.34	1,016.35	875.36	140.99	7.209		
9,300.00	7,059.18	9,263.50	6,947.46	71.66	75.83	83.69	-174.31	-1,716.25	1,015.12	869.07	146.05	6.951		
9,400.00	7,057.08	9,363.49	6,946.15	74.19	78.41	83.73	-177.95	-1,816.17	1,013.89	862.73	151.15	6.708		
9,500.00	7,054.97	9,463.48	6,944.83	76.75	81.00	83.77	-181.60	-1,916.08	1,012.66	856.36	156.30	6.479		
9,600.00	7,052.86	9,563.47	6,943.52	79.32	83.62	83.81	-185.24	-2,016.00	1,011.43	849.95	161.48	6.264		
9,700.00	7,050.75	9,663.46	6,942.21	81.91	86.24	83.84	-188.89	-2,115.91	1,010.20	843.51	166.69	6.060		
9,800.00	7,048.64	9,763.45	6,940.89	84.52	88.88	83.88	-192.53	-2,215.83	1,008.97	837.04	171.93	5.868		
9,900.00	7,046.53	9,863.44	6,939.58	87.14	91.54	83.92	-196.17	-2,315.74	1,007.74	830.54	177.20	5.687		
10,000.00	7,044.43	9,963.43	6,938.26	89.78	94.20	83.96	-199.82	-2,415.66	1,006.51	824.02	182.50	5.515		
10,100.00	7,042.32	10,063.42	6,936.95	92.43	96.87	84.00	-203.46	-2,515.57	1,005.29	817.47	187.82	5.353		
10,200.00	7,040.21	10,163.41	6,935.63	95.09	99.56	84.03	-207.11	-2,615.49	1,004.06	810.91	193.15	5.198		
10,300.00	7,038.10	10,263.40	6,934.32	97.76	102.25	84.07	-210.75	-2,715.40	1,002.83	804.32	198.51	5.052		
10,400.00	7,035.99	10,363.39	6,933.00	100.44	104.95	84.11	-214.40	-2,815.32	1,001.61	797.72	203.89	4.913		
10,500.00	7,033.88	10,463.38	6,931.69	103.13	107.65	84.15	-218.04	-2,915.23	1,000.38	791.10	209.28	4.780		
10,600.00	7,031.78	10,563.37	6,930.38	105.82	110.37	84.19	-221.69	-3,015.15	999.16	784.47	214.69	4.654		
10,700.00	7,029.67	10,663.36	6,929.06	108.53	113.09	84.23	-225.33	-3,115.06	997.93	777.83	220.11	4.534		
10,800.00	7,027.56	10,763.35	6,927.75	111.24	115.81	84.27	-228.98	-3,214.98	996.71	771.17	225.54	4.419		
10,900.00	7,025.45	10,863.34	6,926.43	113.96	118.54	84.30	-232.62	-3,314.89	995.49	764.50	230.99	4.310		
11,000.00	7,023.34	10,963.33	6,925.12	116.68	121.28	84.34	-236.27	-3,414.81	994.26	757.81	236.45	4.205		
11,100.00	7,021.23	11,063.32	6,923.80	119.41	124.02	84.38	-239.91	-3,514.72	993.04	751.12	241.92	4.105		
11,200.00	7,019.13	11,163.31	6,922.49	122.15	126.76	84.42	-243.56	-3,614.64	991.82	744.42	247.40	4.009		
11,300.00	7,017.02	11,263.30	6,921.17	124.89	129.51	84.46	-247.20	-3,714.56	990.60	737.71	252.89	3.917		
11,400.00	7,014.91	11,363.29	6,919.86	127.63	132.27	84.50	-250.84	-3,814.47	989.38	730.99	258.39	3.829		
11,500.00	7,012.80	11,463.28	6,918.54	130.38	135.02	84.54	-254.49	-3,914.39	988.16	724.26	263.89	3.745		
11,600.00	7,010.69	11,563.27	6,917.23	133.14	137.78	84.58	-258.13	-4,014.30	986.94	717.53	269.41	3.663		
11,700.00	7,008.58	11,663.26	6,915.92	135.89	140.55	84.62	-261.78	-4,114.22	985.72	710.79	274.93	3.585		
11,800.00	7,006.47	11,763.25	6,914.60	138.65	143.31	84.66	-265.42	-4,214.13	984.50	704.04	280.46	3.510		
11,900.00	7,004.37	11,863.24	6,913.29	141.42	146.08	84.70	-269.07	-4,314.05	983.28	697.29	285.99	3.438		
12,000.00	7,002.26	11,963.23	6,911.97	144.19	148.86	84.74	-272.71	-4,413.96	982.06	690.53	291.53	3.369		
12,100.00	7,000.15	12,063.22	6,910.66	146.96	151.63	84.78	-276.36	-4,513.88	980.84	683.76	297.08	3.302		
12,200.00	6,998.04	12,163.21	6,909.34	149.73	154.41	84.82	-280.00	-4,613.79	979.63	676.99	302.64	3.237		
12,300.00	6,995.93	12,263.20	6,908.03	152.51	157.19	84.86	-283.65	-4,713.71	978.41	670.21	308.19	3.175		
12,400.00	6,993.82	12,363.19	6,906.71	155.28	159.97	84.90	-287.29	-4,813.62	977.19	663.43	313.76	3.114		
12,500.00	6,991.72	12,463.18	6,905.40	158.06	162.75	84.94	-290.94	-4,913.54	975.98	656.65	319.33	3.056		
12,600.00	6,989.61	12,563.17	6,904.08	160.85	165.54	84.98	-294.58	-5,013.45	974.76	649.86	324.90	3.000		
12,700.00	6,987.50	12,663.16	6,902.77	163.63	168.33	85.02	-298.23	-5,113.37	973.55	643.07	330.48	2.946		
12,800.00	6,985.39	12,763.15	6,901.46	166.42	171.12	85.06	-301.87	-5,213.28	972.33	636.27	336.06	2.893		
12,900.00	6,983.28	12,863.15	6,900.14	169.21	173.91	85.10	-305.52	-5,313.20	971.12	629.47	341.65	2.842		
13,000.00	6,981.17	12,963.14	6,898.83	172.00	176.70	85.14	-309.16	-5,413.11	969.90	622.67	347.24	2.793		
13,100.00	6,979.07	13,063.13	6,897.51	174.79	179.49	85.18	-312.80	-5,513.03	968.69	615.86	352.83	2.745		
13,200.00	6,976.96	13,163.12	6,896.20	177.59	182.29	85.23	-316.45	-5,612.94	967.48	609.05	358.43	2.699		
13,300.00	6,974.85	13,263.11	6,894.88	180.38	185.09	85.27	-320.09	-5,712.86	966.27	602.24	364.03	2.654		
13,400.00	6,972.74	13,363.10	6,893.57	183.18	187.89	85.31	-323.74	-5,812.77	965.06	595.42	369.63	2.611		
13,500.00	6,970.63	13,463.09	6,892.25	185.98	190.69	85.35	-327.38	-5,912.69	963.85	588.61	375.24	2.569		
13,600.00	6,968.52	13,563.08	6,890.94	188.78	193.49	85.39	-331.03	-6,012.60	962.63	581.79	380.85	2.528		
13,700.00	6,966.41	13,663.07	6,889.63	191.58	196.29	85.43	-334.67	-6,112.52	961.42	574.96	386.46	2.488		
13,800.00	6,964.31	13,763.06	6,888.31	194.39	199.09	85.47	-338.32	-6,212.43	960.22	568.14	392.08	2.449		
13,900.00	6,962.20	13,863.05	6,887.00	197.19	201.90	85.52	-341.96	-6,312.35	959.01	561.31	397.70	2.411		
14,000.00	6,960.09	13,963.04	6,885.68	200.00	204.70	85.56	-345.61	-6,412.26	957.80	554.48	403.32	2.375		
14,100.00	6,957.98	14,063.03	6,884.37	202.80	207.51	85.60	-349.25	-6,512.18	956.59	547.65	408.94	2.339		
14,200.00	6,955.87	14,163.02	6,883.05	205.61	210.32	85.64	-352.90	-6,612.09	955.38	540.82	414.57	2.305		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 13N-6B-M - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,300.00	6,953.76	14,263.01	6,881.74	208.42	213.12	85.68	-356.54	-6,712.01	954.18	533.98	420.19	2.271	
14,400.00	6,951.66	14,363.00	6,880.42	211.23	215.93	85.73	-360.19	-6,811.92	952.97	527.15	425.82	2.238	
14,500.00	6,949.55	14,462.99	6,879.11	214.04	218.74	85.77	-363.83	-6,911.84	951.76	520.31	431.46	2.206	
14,600.00	6,947.44	14,562.98	6,877.79	216.85	221.55	85.81	-367.47	-7,011.76	950.56	513.47	437.09	2.175	
14,700.00	6,945.33	14,662.97	6,876.48	219.66	224.36	85.85	-371.12	-7,111.67	949.35	506.63	442.73	2.144	
14,800.00	6,943.22	14,762.96	6,875.17	222.48	227.18	85.90	-374.76	-7,211.59	948.15	499.78	448.37	2.115	
14,900.00	6,941.11	14,862.95	6,873.85	225.29	229.99	85.94	-378.41	-7,311.50	946.95	492.94	454.01	2.086	
15,000.00	6,939.01	14,962.94	6,872.54	228.11	232.80	85.98	-382.05	-7,411.42	945.74	486.09	459.65	2.058	
15,100.00	6,936.90	15,062.93	6,871.22	230.92	235.62	86.03	-385.70	-7,511.33	944.54	479.25	465.29	2.030	
15,200.00	6,934.79	15,162.92	6,869.91	233.74	238.43	86.07	-389.34	-7,611.25	943.34	472.40	470.94	2.003	
15,300.00	6,932.68	15,262.91	6,868.59	236.56	241.25	86.11	-392.99	-7,711.16	942.14	465.55	476.58	1.977	
15,400.00	6,930.57	15,362.90	6,867.28	239.37	244.07	86.16	-396.63	-7,811.08	940.94	458.70	482.23	1.951	
15,500.00	6,928.46	15,462.89	6,865.96	242.19	246.88	86.20	-400.28	-7,910.99	939.74	451.85	487.88	1.926	
15,509.12	6,928.27	15,460.74	6,865.99	242.45	246.82	86.20	-400.20	-7,908.84	939.69	451.62	488.08	1.925	
15,521.99	6,928.00	15,460.74	6,865.99	242.81	246.82	86.20	-400.20	-7,908.84	939.78	451.43	488.35	1.924 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6.03	179.24	18.93	180.23					
100.00	100.00	100.00	100.00	3.28	3.28	6.03	179.24	18.93	180.23	173.66	6.57	27.435		
200.00	200.00	200.00	200.00	3.34	3.34	6.03	179.24	18.93	180.23	173.56	6.67	27.005 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-140.93	179.24	18.93	181.58	174.70	6.89	26.373		
400.00	399.84	393.79	393.77	3.59	3.59	-141.89	180.77	18.82	187.29	180.10	7.20	26.029 SF		
500.00	499.45	486.71	486.58	3.79	3.78	-143.40	185.30	18.51	199.07	191.47	7.61	26.174		
600.00	598.70	578.17	577.73	4.04	4.00	-145.22	192.70	18.00	217.01	208.92	8.09	26.815		
700.00	697.47	667.64	666.63	4.32	4.24	-147.12	202.74	17.30	241.16	232.52	8.64	27.924		
773.50	769.68	731.84	730.21	4.55	4.43	-148.47	211.65	16.69	262.83	253.77	9.06	29.005		
800.00	795.65	754.67	752.76	4.64	4.50	-149.01	215.15	16.44	271.35	262.13	9.22	29.433		
900.00	893.65	846.54	843.39	5.00	4.79	-150.92	230.21	15.40	304.67	294.85	9.81	31.051		
1,000.00	991.65	940.34	935.90	5.38	5.11	-152.49	245.66	14.33	338.32	327.89	10.43	32.426		
1,100.00	1,089.66	1,034.14	1,028.42	5.78	5.44	-153.78	261.10	13.26	372.16	361.06	11.09	33.543		
1,200.00	1,187.66	1,127.94	1,120.93	6.20	5.78	-154.85	276.54	12.19	406.14	394.35	11.78	34.466		
1,300.00	1,285.66	1,221.74	1,213.44	6.63	6.14	-155.76	291.99	11.12	440.22	427.72	12.50	35.229		
1,400.00	1,383.67	1,315.54	1,305.96	7.07	6.52	-156.54	307.43	10.05	474.39	461.16	13.23	35.862		
1,500.00	1,481.67	1,409.34	1,398.47	7.51	6.89	-157.21	322.88	8.99	508.62	494.65	13.98	36.390		
1,600.00	1,579.67	1,503.14	1,490.98	7.97	7.28	-157.80	338.32	7.92	542.92	528.18	14.74	36.833		
1,700.00	1,677.67	1,603.06	1,583.50	8.43	7.70	-158.32	353.77	6.85	577.25	561.71	15.54	37.146		
1,800.00	1,775.68	1,709.26	1,676.01	8.90	8.15	-158.78	369.21	5.78	611.62	595.24	16.38	37.345		
1,900.00	1,873.68	1,784.54	1,768.52	9.37	8.47	-159.19	384.66	4.71	646.03	628.93	17.10	37.790		
2,000.00	1,971.68	1,878.34	1,861.04	9.84	8.88	-159.56	400.10	3.64	680.46	662.56	17.90	38.020		
2,100.00	2,069.69	1,972.14	1,953.55	10.32	9.28	-159.89	415.54	2.57	714.91	696.20	18.71	38.217		
2,200.00	2,167.69	2,065.94	2,046.06	10.80	9.69	-160.20	430.99	1.50	749.38	729.86	19.52	38.388		
2,300.00	2,265.69	2,159.74	2,138.58	11.28	10.11	-160.47	446.43	0.43	783.87	763.53	20.34	38.535		
2,400.00	2,363.69	2,253.54	2,231.09	11.77	10.52	-160.73	461.88	-0.64	818.37	797.21	21.17	38.664		
2,500.00	2,461.70	2,347.34	2,323.60	12.25	10.94	-160.96	477.32	-1.71	852.89	830.89	22.00	38.776		
2,600.00	2,559.70	2,441.14	2,416.12	12.74	11.36	-161.18	492.77	-2.78	887.42	864.59	22.83	38.874		
2,700.00	2,657.70	2,534.94	2,508.63	13.23	11.78	-161.37	508.21	-3.84	921.96	898.29	23.66	38.961		
2,800.00	2,755.71	2,628.74	2,601.14	13.72	12.20	-161.56	523.66	-4.91	956.50	932.00	24.50	39.037		
2,900.00	2,853.71	2,722.54	2,693.66	14.21	12.62	-161.73	539.10	-5.98	991.06	965.72	25.34	39.104		
3,000.00	2,951.71	2,816.34	2,786.17	14.70	13.05	-161.89	554.54	-7.05	1,025.62	999.43	26.19	39.164		
3,100.00	3,049.71	2,910.14	2,878.68	15.20	13.47	-162.04	569.99	-8.12	1,060.19	1,033.16	27.03	39.217		
3,200.00	3,147.72	3,003.94	2,971.20	15.69	13.90	-162.18	585.43	-9.19	1,094.77	1,066.89	27.88	39.265		
3,300.00	3,245.72	3,102.26	3,063.71	16.19	14.35	-162.31	600.88	-10.26	1,129.35	1,100.60	28.75	39.279		
3,400.00	3,343.72	3,208.46	3,156.22	16.69	14.83	-162.44	616.32	-11.33	1,163.93	1,134.28	29.66	39.244		
3,500.00	3,441.73	3,285.34	3,248.74	17.18	15.18	-162.55	631.77	-12.40	1,198.52	1,168.09	30.44	39.379		
3,600.00	3,539.73	3,379.14	3,341.25	17.68	15.61	-162.66	647.21	-13.47	1,233.12	1,201.83	31.29	39.409		
3,700.00	3,637.73	3,472.94	3,433.76	18.18	16.04	-162.77	662.66	-14.54	1,267.72	1,235.57	32.15	39.436		
3,800.00	3,735.73	3,566.74	3,526.28	18.68	16.47	-162.87	678.10	-15.61	1,302.32	1,269.32	33.00	39.461		
3,900.00	3,833.74	3,660.54	3,618.79	19.18	16.90	-162.96	693.54	-16.67	1,336.93	1,303.06	33.86	39.483		
4,000.00	3,931.74	3,754.34	3,711.30	19.67	17.33	-163.05	708.99	-17.74	1,371.53	1,336.81	34.72	39.503		
4,100.00	4,029.74	3,848.14	3,803.82	20.17	17.76	-163.13	724.43	-18.81	1,406.14	1,370.56	35.58	39.521		
4,200.00	4,127.75	3,941.94	3,896.33	20.67	18.20	-163.21	739.88	-19.88	1,440.76	1,404.32	36.44	39.537		
4,300.00	4,225.75	4,035.74	3,988.84	21.18	18.63	-163.29	755.32	-20.95	1,475.37	1,438.07	37.30	39.552		
4,400.00	4,323.75	4,129.54	4,081.36	21.68	19.06	-163.36	770.77	-22.02	1,509.99	1,471.83	38.16	39.565		
4,500.00	4,421.76	4,223.34	4,173.87	22.18	19.49	-163.43	786.21	-23.09	1,544.61	1,505.58	39.03	39.577		
4,600.00	4,519.76	4,317.14	4,266.38	22.68	19.93	-163.50	801.66	-24.16	1,579.23	1,539.34	39.89	39.588		
4,700.00	4,617.76	4,410.93	4,358.90	23.18	20.36	-163.56	817.10	-25.23	1,613.86	1,573.10	40.76	39.598		
4,800.00	4,715.76	4,504.73	4,451.41	23.68	20.79	-163.63	832.54	-26.30	1,648.48	1,606.86	41.62	39.607		
4,900.00	4,813.77	4,601.47	4,543.92	24.18	21.24	-163.68	847.99	-27.37	1,683.11	1,640.61	42.50	39.602		
5,000.00	4,911.77	4,707.67	4,636.44	24.69	21.73	-163.74	863.43	-28.43	1,717.74	1,674.32	43.42	39.558		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	4,786.13	4,728.95	25.19	22.10	-163.79	878.88	-29.50	1,752.37	1,708.15	44.22	39.628		
5,200.00	5,107.78	4,879.93	4,821.46	25.69	22.53	-163.85	894.32	-30.57	1,787.00	1,741.91	45.09	39.634		
5,300.00	5,205.78	4,973.73	4,913.98	26.19	22.97	-163.90	909.77	-31.64	1,821.63	1,775.68	45.96	39.639		
5,400.00	5,303.78	5,067.53	5,006.49	26.70	23.40	-163.95	925.21	-32.71	1,856.27	1,809.44	46.82	39.644		
5,500.00	5,401.78	5,161.33	5,099.00	27.20	23.84	-163.99	940.66	-33.78	1,890.90	1,843.21	47.69	39.648		
5,600.00	5,499.79	5,255.13	5,191.52	27.70	24.27	-164.04	956.10	-34.85	1,925.54	1,876.98	48.56	39.652		
5,700.00	5,597.79	5,348.93	5,284.03	28.21	24.71	-164.08	971.55	-35.92	1,960.17	1,910.74	49.43	39.655		
5,800.00	5,695.79	5,442.73	5,376.54	28.71	25.14	-164.12	986.99	-36.99	1,994.81	1,944.51	50.30	39.658		
5,900.00	5,793.80	5,536.53	5,469.06	29.22	25.58	-164.16	1,002.43	-38.06	2,029.45	1,978.28	51.17	39.660		
6,000.00	5,891.80	5,630.33	5,561.57	29.72	26.01	-164.20	1,017.88	-39.13	2,064.09	2,012.05	52.04	39.662		
6,100.00	5,989.80	5,724.13	5,654.08	30.22	26.45	-164.24	1,033.32	-40.20	2,098.73	2,045.82	52.91	39.664		
6,200.00	6,087.80	5,817.93	5,746.60	30.73	26.89	-164.27	1,048.77	-41.26	2,133.37	2,079.59	53.78	39.666		
6,300.00	6,185.81	5,911.73	5,839.11	31.23	27.32	-164.31	1,064.21	-42.33	2,168.01	2,113.36	54.66	39.667		
6,400.00	6,283.81	6,005.53	5,931.62	31.74	27.76	-164.34	1,079.66	-43.40	2,202.66	2,147.13	55.53	39.668		
6,500.00	6,381.81	6,099.33	6,024.14	32.24	28.20	-164.38	1,095.10	-44.47	2,237.30	2,180.90	56.40	39.668		
6,520.79	6,402.19	6,118.83	6,043.37	32.35	28.29	-164.38	1,098.31	-44.69	2,244.50	2,187.92	56.58	39.668		
6,550.00	6,430.87	6,146.29	6,070.45	32.49	28.41	-177.67	1,102.83	-45.01	2,254.45	2,197.61	56.84	39.667		
6,600.00	6,480.12	6,206.54	6,116.97	32.72	28.70	155.62	1,110.60	-45.55	2,270.64	2,213.31	57.32	39.611		
6,650.00	6,529.30	6,266.79	6,173.68	32.93	29.00	151.50	1,231.43	648.77	2,275.66	2,209.98	65.68	34.646		
6,700.00	6,578.09	6,322.53	6,230.62	33.12	29.30	135.18	1,231.40	642.63	2,278.24	2,212.24	65.99	34.522		
6,750.00	6,626.21	6,372.52	6,280.51	33.30	29.58	124.48	1,231.36	632.62	2,281.93	2,215.72	66.21	34.464		
6,800.00	6,673.34	6,420.70	6,330.37	33.46	29.86	117.14	1,231.30	618.80	2,286.65	2,220.31	66.34	34.468		
6,850.00	6,719.21	6,468.84	6,380.19	33.61	30.14	111.74	1,231.23	601.26	2,292.30	2,225.67	66.62	34.407		
6,900.00	6,763.53	6,512.79	6,429.81	33.75	30.42	107.32	1,231.10	572.89	2,298.75	2,232.44	66.30	34.670		
6,950.00	6,806.03	6,557.74	6,474.83	33.89	30.70	102.88	1,230.12	508.07	2,305.57	2,239.81	65.76	35.059		
7,000.00	6,846.44	6,597.57	6,519.93	34.02	30.98	99.25	1,228.50	455.69	2,312.59	2,247.21	65.38	35.371		
7,050.00	6,884.52	6,636.60	6,560.78	34.15	31.26	96.17	1,226.54	411.15	2,319.76	2,254.67	65.09	35.638		
7,100.00	6,920.03	6,673.34	6,597.09	34.27	31.54	93.50	1,224.32	371.95	2,327.00	2,262.14	64.87	35.874		
7,150.00	6,952.75	6,709.31	6,628.21	34.40	31.82	91.14	1,221.92	336.63	2,334.25	2,269.54	64.70	36.076		
7,200.00	6,982.48	6,743.62	6,663.31	34.54	32.10	89.03	1,219.36	304.31	2,341.40	2,276.81	64.58	36.254		
7,250.00	7,009.04	6,774.69	6,694.50	34.70	32.38	87.12	1,216.64	274.41	2,348.37	2,283.86	64.51	36.404		
7,300.00	7,032.26	6,807.12	6,730.87	34.87	32.66	85.40	1,213.80	246.55	2,355.06	2,290.57	64.49	36.517		
7,350.00	7,052.00	6,835.63	6,753.48	35.08	32.94	83.85	1,210.84	220.47	2,361.40	2,296.88	64.53	36.595		
7,400.00	7,068.14	6,865.02	6,783.38	35.34	33.22	82.45	1,207.75	195.99	2,367.30	2,302.68	64.62	36.634		
7,450.00	7,080.57	6,895.14	6,813.61	35.65	33.50	81.20	1,204.56	172.97	2,372.68	2,307.91	64.77	36.630		
7,500.00	7,089.23	6,925.89	6,843.22	36.01	33.78	80.10	1,201.27	151.33	2,377.46	2,312.48	64.98	36.588		
7,550.00	7,094.06	6,956.18	6,873.25	36.44	34.06	79.15	1,197.89	130.97	2,381.58	2,316.34	65.24	36.503		
7,601.12	7,095.00	6,986.30	6,903.27	36.93	34.34	78.32	1,194.34	111.45	2,385.04	2,319.47	65.56	36.377		
7,700.00	7,092.92	6,987.76	6,904.54	38.05	35.65	77.40	1,187.80	79.68	2,392.28	2,325.92	66.36	36.049		
7,800.00	7,090.81	6,985.28	6,901.14	39.40	36.96	76.58	1,182.00	55.45	2,402.52	2,335.14	67.38	35.658		
7,900.00	7,088.70	6,983.75	6,903.19	40.93	38.27	75.86	1,176.95	37.00	2,415.95	2,347.39	68.56	35.237		
8,000.00	7,086.59	6,982.76	6,898.16	42.61	39.58	75.24	1,172.57	22.77	2,432.72	2,362.84	69.88	34.814		
8,100.00	7,084.49	6,981.00	6,896.71	44.41	40.89	74.61	1,168.13	9.90	2,452.93	2,381.69	71.24	34.432		
8,200.00	7,082.38	6,979.26	6,895.26	46.33	42.20	74.23	1,165.43	2.83	2,476.57	2,403.81	72.76	34.038		
8,300.00	7,080.27	6,977.53	6,893.76	48.34	43.51	73.81	1,162.51	-4.25	2,503.67	2,429.40	74.27	33.712		
8,400.00	7,078.16	6,975.80	6,892.26	50.43	44.82	73.52	1,160.45	-8.86	2,534.15	2,458.33	75.82	33.422		
8,500.00	7,076.05	6,974.07	6,890.76	52.59	46.13	73.12	1,157.64	-14.72	2,567.95	2,490.65	77.30	33.222		
8,600.00	7,073.94	6,972.34	6,889.26	54.82	47.44	72.83	1,155.59	-18.63	2,604.97	2,526.19	78.78	33.065		
8,700.00	7,071.84	6,970.61	6,887.76	57.10	48.75	72.41	1,152.57	-23.93	2,645.14	2,564.99	80.15	33.002		
8,800.00	7,069.73	6,968.88	6,886.26	59.44	50.06	72.41	1,152.57	-23.93	2,688.26	2,606.59	81.67	32.916		
8,900.00	7,067.62	6,967.15	6,884.76	61.81	51.37	72.41	1,152.57	-23.93	2,734.36	2,651.23	83.12	32.895		
9,000.00	7,065.51	6,965.42	6,883.26	64.23	52.68	71.94	1,149.27	-29.05	2,783.04	2,698.76	84.29	33.019		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	6,421.74	6,340.97	66.68	29.67	71.76	1,148.04	-30.78	2,834.43	2,748.91	85.52	33.144		
9,200.00	7,061.29	6,400.00	6,319.99	69.15	29.58	71.27	1,144.52	-35.22	2,888.43	2,801.90	86.53	33.380		
9,300.00	7,059.18	6,400.00	6,319.99	71.66	29.58	71.27	1,144.52	-35.22	2,944.57	2,856.86	87.71	33.572		
9,400.00	7,057.08	6,400.00	6,319.99	74.19	29.58	71.27	1,144.52	-35.22	3,002.99	2,914.17	88.82	33.811		
9,500.00	7,054.97	6,400.00	6,319.99	76.75	29.58	71.27	1,144.52	-35.22	3,063.56	2,973.71	89.86	34.094		
9,600.00	7,052.86	6,400.00	6,319.99	79.32	29.58	71.27	1,144.52	-35.22	3,126.16	3,035.33	90.83	34.418		
9,700.00	7,050.75	6,400.00	6,319.99	81.91	29.58	71.27	1,144.52	-35.22	3,190.66	3,098.92	91.74	34.779		
9,800.00	7,048.64	6,400.00	6,319.99	84.52	29.58	71.27	1,144.52	-35.22	3,256.96	3,164.37	92.59	35.175		
9,900.00	7,046.53	6,378.86	6,299.44	87.14	29.48	70.78	1,141.08	-38.84	3,324.64	3,231.45	93.19	35.677		
10,000.00	7,044.43	6,375.07	6,295.75	89.78	29.47	70.70	1,140.46	-39.41	3,394.08	3,300.19	93.90	36.147		
10,100.00	7,042.32	6,371.52	6,292.29	92.43	29.45	70.62	1,139.88	-39.93	3,465.00	3,370.44	94.56	36.643		
10,200.00	7,040.21	6,350.00	6,271.23	95.09	29.36	70.12	1,136.36	-42.65	3,537.55	3,442.54	95.00	37.236		
10,300.00	7,038.10	6,350.00	6,271.23	97.76	29.36	70.12	1,136.36	-42.65	3,611.09	3,515.47	95.61	37.767		
10,400.00	7,035.99	6,350.00	6,271.23	100.44	29.36	70.12	1,136.36	-42.65	3,685.88	3,589.69	96.19	38.320		
10,500.00	7,033.88	6,350.00	6,271.23	103.13	29.36	70.12	1,136.36	-42.65	3,761.84	3,665.12	96.72	38.895		
10,600.00	7,031.78	6,350.00	6,271.23	105.82	29.36	70.12	1,136.36	-42.65	3,838.90	3,741.69	97.22	39.488		
10,700.00	7,029.67	6,350.00	6,271.23	108.53	29.36	70.12	1,136.36	-42.65	3,917.00	3,819.32	97.68	40.100		
10,800.00	7,027.56	6,350.00	6,271.23	111.24	29.36	70.12	1,136.36	-42.65	3,996.08	3,897.96	98.11	40.729		
10,900.00	7,025.45	6,350.00	6,271.23	113.96	29.36	70.12	1,136.36	-42.65	4,076.07	3,977.55	98.52	41.373		
11,000.00	7,023.34	6,350.00	6,271.23	116.68	29.36	70.12	1,136.36	-42.65	4,156.93	4,058.03	98.90	42.032		
11,100.00	7,021.23	6,350.00	6,271.23	119.41	29.36	70.12	1,136.36	-42.65	4,238.61	4,139.36	99.26	42.704		
11,200.00	7,019.13	6,350.00	6,271.23	122.15	29.36	70.12	1,136.36	-42.65	4,321.06	4,221.47	99.59	43.389		
11,300.00	7,017.02	6,350.00	6,271.23	124.89	29.36	70.12	1,136.36	-42.65	4,404.24	4,304.34	99.90	44.087		
11,400.00	7,014.91	6,350.00	6,271.23	127.63	29.36	70.12	1,136.36	-42.65	4,488.10	4,387.91	100.19	44.795		
11,500.00	7,012.80	6,350.00	6,271.23	130.38	29.36	70.12	1,136.36	-42.65	4,572.61	4,472.14	100.47	45.514		
11,600.00	7,010.69	6,350.00	6,271.23	133.14	29.36	70.12	1,136.36	-42.65	4,657.74	4,557.01	100.72	46.242		
11,700.00	7,008.58	6,350.00	6,271.23	135.89	29.36	70.12	1,136.36	-42.65	4,743.44	4,642.47	100.97	46.980		
11,800.00	7,006.47	6,350.00	6,271.23	138.65	29.36	70.12	1,136.36	-42.65	4,829.70	4,728.50	101.20	47.727		
11,900.00	7,004.37	6,350.00	6,271.23	141.42	29.36	70.12	1,136.36	-42.65	4,916.47	4,815.06	101.41	48.481		
12,000.00	7,002.26	6,350.00	6,271.23	144.19	29.36	70.12	1,136.36	-42.65	5,003.74	4,902.13	101.61	49.243		
12,100.00	7,000.15	6,350.00	6,271.23	146.96	29.36	70.12	1,136.36	-42.65	5,091.48	4,989.68	101.80	50.013		
12,200.00	6,998.04	6,328.26	6,249.89	149.73	29.26	69.62	1,132.79	-44.66	5,179.29	5,077.48	101.81	50.874		
12,300.00	6,995.93	6,327.05	6,248.70	152.51	29.25	69.59	1,132.60	-44.75	5,267.85	5,165.88	101.97	51.662		
12,400.00	6,993.82	6,325.89	6,247.55	155.28	29.25	69.56	1,132.40	-44.84	5,356.81	5,254.69	102.12	52.456		
12,500.00	6,991.72	6,324.77	6,246.45	158.06	29.24	69.54	1,132.22	-44.92	5,446.16	5,343.89	102.27	53.255		
12,600.00	6,989.61	6,323.68	6,245.38	160.85	29.24	69.51	1,132.04	-44.99	5,535.86	5,433.46	102.40	54.059		
12,700.00	6,987.50	6,322.64	6,244.36	163.63	29.23	69.49	1,131.87	-45.07	5,625.91	5,523.38	102.54	54.868		
12,800.00	6,985.39	6,300.00	6,222.05	166.42	29.13	68.97	1,128.14	-46.18	5,716.66	5,614.19	102.48	55.784		
12,900.00	6,983.28	6,300.00	6,222.05	169.21	29.13	68.97	1,128.14	-46.18	5,807.32	5,704.72	102.61	56.599		
13,000.00	6,981.17	6,300.00	6,222.05	172.00	29.13	68.97	1,128.14	-46.18	5,898.29	5,795.56	102.73	57.417		
13,100.00	6,979.07	6,300.00	6,222.05	174.79	29.13	68.97	1,128.14	-46.18	5,989.54	5,886.70	102.84	58.239		
13,200.00	6,976.96	6,300.00	6,222.05	177.59	29.13	68.97	1,128.14	-46.18	6,081.07	5,978.11	102.95	59.065		
13,300.00	6,974.85	6,300.00	6,222.05	180.38	29.13	68.97	1,128.14	-46.18	6,172.85	6,069.79	103.06	59.895		
13,400.00	6,972.74	6,300.00	6,222.05	183.18	29.13	68.97	1,128.14	-46.18	6,264.90	6,161.73	103.16	60.728		
13,500.00	6,970.63	6,300.00	6,222.05	185.98	29.13	68.97	1,128.14	-46.18	6,357.18	6,253.92	103.26	61.564		
13,600.00	6,968.52	6,300.00	6,222.05	188.78	29.13	68.97	1,128.14	-46.18	6,449.69	6,346.33	103.36	62.403		
13,700.00	6,966.41	6,300.00	6,222.05	191.58	29.13	68.97	1,128.14	-46.18	6,542.42	6,438.97	103.45	63.245		
13,800.00	6,964.31	6,300.00	6,222.05	194.39	29.13	68.97	1,128.14	-46.18	6,635.36	6,531.83	103.53	64.089		
13,900.00	6,962.20	6,300.00	6,222.05	197.19	29.13	68.97	1,128.14	-46.18	6,728.51	6,624.89	103.62	64.936		
14,000.00	6,960.09	6,300.00	6,222.05	200.00	29.13	68.97	1,128.14	-46.18	6,821.85	6,718.15	103.70	65.785		
14,100.00	6,957.98	6,300.00	6,222.05	202.80	29.13	68.97	1,128.14	-46.18	6,915.37	6,811.59	103.78	66.636		
14,200.00	6,955.87	6,300.00	6,222.05	205.61	29.13	68.97	1,128.14	-46.18	7,009.08	6,905.22	103.85	67.490		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,953.76	6,300.00	6,222.05	208.42	29.13	68.97	1,128.14	-46.18	7,102.95	6,999.02	103.93	68.345		
14,400.00	6,951.66	6,300.00	6,222.05	211.23	29.13	68.97	1,128.14	-46.18	7,196.99	7,092.99	104.00	69.202		
14,500.00	6,949.55	6,300.00	6,222.05	214.04	29.13	68.97	1,128.14	-46.18	7,291.19	7,187.12	104.07	70.061		
14,600.00	6,947.44	6,300.00	6,222.05	216.85	29.13	68.97	1,128.14	-46.18	7,385.54	7,281.41	104.14	70.921		
14,700.00	6,945.33	6,300.00	6,222.05	219.66	29.13	68.97	1,128.14	-46.18	7,480.04	7,375.84	104.20	71.783		
14,800.00	6,943.22	6,300.00	6,222.05	222.48	29.13	68.97	1,128.14	-46.18	7,574.68	7,470.42	104.27	72.646		
14,900.00	6,941.11	6,300.00	6,222.05	225.29	29.13	68.97	1,128.14	-46.18	7,669.46	7,565.13	104.33	73.510		
15,000.00	6,939.01	6,300.00	6,222.05	228.11	29.13	68.97	1,128.14	-46.18	7,764.37	7,659.97	104.39	74.376		
15,100.00	6,936.90	6,300.00	6,222.05	230.92	29.13	68.97	1,128.14	-46.18	7,859.40	7,754.95	104.45	75.243		
15,200.00	6,934.79	6,300.00	6,222.05	233.74	29.13	68.97	1,128.14	-46.18	7,954.56	7,850.04	104.51	76.110		
15,300.00	6,932.68	6,300.00	6,222.05	236.56	29.13	68.97	1,128.14	-46.18	8,049.83	7,945.26	104.57	76.979		
15,400.00	6,930.57	6,300.00	6,222.05	239.37	29.13	68.97	1,128.14	-46.18	8,145.21	8,040.58	104.63	77.849		
15,500.00	6,928.46	6,300.00	6,222.05	242.19	29.13	68.97	1,128.14	-46.18	8,240.71	8,136.02	104.69	78.719		
15,521.99	6,928.00	6,300.00	6,222.05	242.81	29.13	68.97	1,128.14	-46.18	8,261.72	8,157.02	104.70	78.910		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5.65	194.18	19.21	195.12					
100.00	100.00	100.00	100.00	3.28	3.28	5.65	194.18	19.21	195.12	188.55	6.57	29.702		
200.00	200.00	200.00	200.00	3.34	3.34	5.65	194.18	19.21	195.12	188.45	6.67	29.236 CC, ES		
300.00	299.98	293.59	293.57	3.44	3.44	-141.31	195.70	19.13	198.10	191.21	6.89	28.762		
400.00	399.84	386.60	386.46	3.59	3.58	-142.22	200.24	18.90	207.05	199.84	7.21	28.711 SF		
500.00	499.45	478.44	478.00	3.79	3.77	-143.57	207.68	18.52	222.05	214.42	7.63	29.102		
600.00	598.70	568.58	567.57	4.04	3.98	-145.14	217.82	18.01	243.12	235.00	8.12	29.940		
700.00	697.47	656.52	654.59	4.32	4.22	-146.76	230.43	17.37	270.28	261.62	8.66	31.203		
773.50	769.68	723.54	720.69	4.55	4.42	-147.99	241.49	16.81	293.76	284.68	9.08	32.353		
800.00	795.65	748.39	745.19	4.64	4.50	-148.52	245.63	16.60	302.58	293.35	9.24	32.763		
900.00	893.65	842.16	837.65	5.00	4.79	-150.28	261.25	15.81	336.06	326.24	9.82	34.233		
1,000.00	991.65	935.93	930.11	5.38	5.11	-151.73	276.87	15.02	369.76	359.31	10.45	35.390		
1,100.00	1,089.66	1,029.71	1,022.57	5.78	5.45	-152.93	292.49	14.23	403.64	392.53	11.11	36.327		
1,200.00	1,187.66	1,123.48	1,115.02	6.20	5.80	-153.95	308.11	13.44	437.66	425.86	11.80	37.083		
1,300.00	1,285.66	1,217.25	1,207.48	6.63	6.16	-154.82	323.72	12.64	471.78	459.27	12.52	37.693		
1,400.00	1,383.67	1,311.02	1,299.94	7.07	6.54	-155.58	339.34	11.85	505.99	492.74	13.25	38.187		
1,500.00	1,481.67	1,404.79	1,392.40	7.51	6.92	-156.24	354.96	11.06	540.26	526.26	14.00	38.589		
1,600.00	1,579.67	1,501.43	1,484.86	7.97	7.32	-156.82	370.58	10.27	574.59	559.81	14.78	38.885		
1,700.00	1,677.67	1,607.66	1,577.32	8.43	7.77	-157.33	386.20	9.48	608.97	593.36	15.60	39.024		
1,800.00	1,775.68	1,686.11	1,669.78	8.90	8.10	-157.80	401.82	8.69	643.38	627.05	16.33	39.403		
1,900.00	1,873.68	1,779.88	1,762.24	9.37	8.50	-158.21	417.43	7.90	677.83	660.71	17.12	39.584		
2,000.00	1,971.68	1,873.66	1,854.70	9.84	8.91	-158.58	433.05	7.11	712.31	694.38	17.93	39.734		
2,100.00	2,069.69	1,967.43	1,947.16	10.32	9.32	-158.92	448.67	6.32	746.81	728.07	18.74	39.857		
2,200.00	2,167.69	2,061.20	2,039.61	10.80	9.73	-159.23	464.29	5.52	781.33	761.77	19.55	39.960		
2,300.00	2,265.69	2,154.97	2,132.07	11.28	10.15	-159.52	479.91	4.73	815.87	795.49	20.37	40.045		
2,400.00	2,363.69	2,248.74	2,224.53	11.77	10.56	-159.78	495.53	3.94	850.42	829.22	21.20	40.115		
2,500.00	2,461.70	2,342.52	2,316.99	12.25	10.98	-160.02	511.14	3.15	884.99	862.97	22.03	40.174		
2,600.00	2,559.70	2,436.29	2,409.45	12.74	11.40	-160.24	526.76	2.36	919.58	896.72	22.86	40.222		
2,700.00	2,657.70	2,530.06	2,501.91	13.23	11.82	-160.45	542.38	1.57	954.17	930.47	23.70	40.262		
2,800.00	2,755.71	2,623.83	2,594.37	13.72	12.25	-160.64	558.00	0.78	988.78	964.24	24.54	40.295		
2,900.00	2,853.71	2,717.61	2,686.83	14.21	12.67	-160.82	573.62	-0.01	1,023.39	998.01	25.38	40.322		
3,000.00	2,951.71	2,811.38	2,779.29	14.70	13.09	-160.98	589.24	-0.81	1,058.01	1,031.79	26.23	40.343		
3,100.00	3,049.71	2,905.15	2,871.75	15.20	13.52	-161.14	604.85	-1.60	1,092.64	1,065.57	27.07	40.361		
3,200.00	3,147.72	3,001.08	2,964.20	15.69	13.96	-161.29	620.47	-2.39	1,127.28	1,099.35	27.93	40.361		
3,300.00	3,245.72	3,107.31	3,056.66	16.19	14.44	-161.42	636.09	-3.18	1,161.92	1,133.08	28.84	40.294		
3,400.00	3,343.72	3,186.47	3,149.12	16.69	14.80	-161.55	651.71	-3.97	1,196.57	1,166.94	29.62	40.394		
3,500.00	3,441.73	3,280.24	3,241.58	17.18	15.23	-161.68	667.33	-4.76	1,231.22	1,200.74	30.48	40.399		
3,600.00	3,539.73	3,374.01	3,334.04	17.68	15.66	-161.79	682.94	-5.55	1,265.88	1,234.55	31.33	40.403		
3,700.00	3,637.73	3,467.78	3,426.50	18.18	16.09	-161.90	698.56	-6.34	1,300.54	1,268.35	32.19	40.405		
3,800.00	3,735.73	3,561.55	3,518.96	18.68	16.52	-162.01	714.18	-7.13	1,335.21	1,302.16	33.04	40.406		
3,900.00	3,833.74	3,655.33	3,611.42	19.18	16.95	-162.11	729.80	-7.93	1,369.88	1,335.97	33.90	40.406		
4,000.00	3,931.74	3,749.10	3,703.88	19.67	17.39	-162.20	745.42	-8.72	1,404.55	1,369.79	34.76	40.404		
4,100.00	4,029.74	3,842.87	3,796.34	20.17	17.82	-162.29	761.04	-9.51	1,439.22	1,403.60	35.62	40.402		
4,200.00	4,127.75	3,936.64	3,888.79	20.67	18.25	-162.37	776.65	-10.30	1,473.90	1,437.42	36.48	40.398		
4,300.00	4,225.75	4,030.42	3,981.25	21.18	18.68	-162.46	792.27	-11.09	1,508.59	1,471.24	37.35	40.394		
4,400.00	4,323.75	4,124.19	4,073.71	21.68	19.12	-162.53	807.89	-11.88	1,543.27	1,505.06	38.21	40.390		
4,500.00	4,421.76	4,217.96	4,166.17	22.18	19.55	-162.61	823.51	-12.67	1,577.96	1,538.88	39.07	40.385		
4,600.00	4,519.76	4,311.73	4,258.63	22.68	19.98	-162.68	839.13	-13.46	1,612.65	1,572.71	39.94	40.380		
4,700.00	4,617.76	4,405.50	4,351.09	23.18	20.42	-162.75	854.75	-14.26	1,647.34	1,606.53	40.80	40.374		
4,800.00	4,715.76	4,499.28	4,443.55	23.68	20.85	-162.81	870.36	-15.05	1,682.03	1,640.36	41.67	40.368		
4,900.00	4,813.77	4,593.05	4,536.01	24.18	21.29	-162.87	885.98	-15.84	1,716.73	1,674.19	42.53	40.361		
5,000.00	4,911.77	4,686.82	4,628.47	24.69	21.72	-162.94	901.60	-16.63	1,751.42	1,708.02	43.40	40.355		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	4,780.59	4,720.93	25.19	22.16	-162.99	917.22	-17.42	1,786.12	1,741.85	44.27	40.348		
5,200.00	5,107.78	4,874.37	4,813.38	25.69	22.59	-163.05	932.84	-18.21	1,820.82	1,775.68	45.14	40.341		
5,300.00	5,205.78	4,968.14	4,905.84	26.19	23.03	-163.10	948.45	-19.00	1,855.52	1,809.52	46.00	40.334		
5,400.00	5,303.78	5,061.91	4,998.30	26.70	23.46	-163.15	964.07	-19.79	1,890.22	1,843.35	46.87	40.327		
5,500.00	5,401.78	5,155.68	5,090.76	27.20	23.90	-163.20	979.69	-20.59	1,924.93	1,877.19	47.74	40.320		
5,600.00	5,499.79	5,249.45	5,183.22	27.70	24.34	-163.25	995.31	-21.38	1,959.63	1,911.02	48.61	40.312		
5,700.00	5,597.79	5,343.23	5,275.68	28.21	24.77	-163.30	1,010.93	-22.17	1,994.34	1,944.86	49.48	40.305		
5,800.00	5,695.79	5,437.00	5,368.14	28.71	25.21	-163.34	1,026.55	-22.96	2,029.05	1,978.70	50.35	40.298		
5,900.00	5,793.80	5,530.77	5,460.60	29.22	25.64	-163.39	1,042.16	-23.75	2,063.76	2,012.53	51.22	40.290		
6,000.00	5,891.80	5,624.54	5,553.06	29.72	26.08	-163.43	1,057.78	-24.54	2,098.47	2,046.37	52.09	40.283		
6,100.00	5,989.80	5,718.32	5,645.52	30.22	26.52	-163.47	1,073.40	-25.33	2,133.18	2,080.21	52.96	40.275		
6,200.00	6,087.80	5,812.09	5,737.97	30.73	26.95	-163.51	1,089.02	-26.12	2,167.89	2,114.05	53.84	40.268		
6,300.00	6,185.81	5,905.86	5,830.43	31.23	27.39	-163.54	1,104.64	-26.91	2,202.60	2,147.89	54.71	40.260		
6,400.00	6,283.81	6,000.37	5,922.89	31.74	27.83	-163.58	1,120.26	-27.71	2,237.31	2,181.73	55.58	40.251		
6,500.00	6,381.81	6,106.60	6,015.35	32.24	28.33	-163.62	1,135.87	-28.50	2,272.03	2,215.51	56.51	40.203		
6,520.79	6,402.19	6,112.90	6,034.58	32.35	28.36	-163.62	1,139.12	-28.66	2,279.24	2,222.61	56.64	40.244		
6,550.00	6,430.87	6,140.35	6,061.64	32.49	28.48	-176.92	1,143.69	-28.89	2,289.22	2,232.33	56.89	40.240		
6,600.00	6,480.12	6,187.49	6,108.12	32.72	28.70	156.36	1,151.54	-29.29	2,305.49	2,248.17	57.32	40.223		
6,650.00	6,529.30	6,234.57	6,154.54	32.93	28.92	132.07	1,159.39	-29.69	2,320.68	2,262.94	57.74	40.195		
6,700.00	6,578.09	6,281.30	6,200.62	33.12	29.14	115.16	1,167.17	-30.08	2,334.72	2,276.58	58.14	40.155		
6,750.00	6,626.21	6,327.40	6,246.07	33.30	29.36	104.26	1,174.85	-30.47	2,347.58	2,289.04	58.54	40.102		
6,800.00	6,673.34	6,372.57	6,290.61	33.46	29.57	97.09	1,182.37	-30.85	2,359.25	2,300.32	58.93	40.037		
6,850.00	6,719.21	6,700.00	6,603.65	33.61	30.97	96.70	1,236.03	33.30	2,369.02	2,307.58	61.44	38.559		
6,900.00	6,763.53	6,986.23	6,821.15	33.75	31.81	99.48	1,274.88	211.48	2,372.64	2,309.45	63.18	37.552		
6,950.00	6,806.03	6,950.00	6,818.41	33.89	31.73	96.72	1,274.38	208.69	2,375.99	2,312.79	63.19	37.599		
7,000.00	6,846.44	7,000.00	6,819.83	34.02	31.84	94.65	1,274.64	210.46	2,379.74	2,316.07	63.67	37.376		
7,050.00	6,884.52	6,999.24	6,828.96	34.15	31.84	93.26	1,276.32	221.78	2,383.83	2,319.95	63.88	37.317		
7,100.00	6,920.03	6,981.48	6,818.24	34.27	31.80	91.35	1,274.34	207.75	2,388.12	2,324.16	63.96	37.336		
7,150.00	6,952.75	6,961.37	6,805.64	34.40	31.75	89.61	1,272.03	192.25	2,392.56	2,328.53	64.03	37.365		
7,200.00	6,982.48	6,939.91	6,791.67	34.54	31.70	88.00	1,269.48	176.16	2,397.07	2,332.97	64.10	37.393		
7,250.00	7,009.04	6,917.62	6,776.60	34.70	31.65	86.53	1,266.75	159.98	2,401.57	2,337.38	64.19	37.411		
7,300.00	7,032.26	6,894.81	6,760.61	34.87	31.59	85.17	1,263.86	143.97	2,405.97	2,341.66	64.31	37.412		
7,350.00	7,052.00	6,871.66	6,743.81	35.08	31.52	83.93	1,260.83	128.33	2,410.18	2,345.72	64.46	37.389		
7,400.00	7,068.14	6,848.29	6,726.29	35.34	31.46	82.79	1,257.70	113.19	2,414.14	2,349.48	64.66	37.339		
7,450.00	7,080.57	6,824.78	6,708.13	35.65	31.39	81.77	1,254.46	98.62	2,417.76	2,352.86	64.90	37.256		
7,500.00	7,089.23	6,801.19	6,689.38	36.01	31.32	80.86	1,251.12	84.70	2,420.97	2,355.79	65.18	37.143		
7,550.00	7,094.06	6,777.55	6,670.09	36.44	31.24	80.06	1,247.71	71.46	2,423.70	2,358.19	65.51	36.998		
7,601.12	7,095.00	6,753.37	6,649.87	36.93	31.16	79.37	1,244.14	58.68	2,425.94	2,360.05	65.89	36.817		
7,700.00	7,092.92	6,711.52	6,613.81	38.05	31.01	78.52	1,237.81	38.45	2,431.23	2,364.44	66.80	36.397		
7,800.00	7,090.81	6,677.49	6,583.56	39.40	30.88	77.80	1,232.52	23.79	2,439.91	2,371.99	67.92	35.923		
7,900.00	7,088.70	6,650.00	6,558.58	40.93	30.78	77.21	1,228.18	13.17	2,452.10	2,382.89	69.21	35.431		
8,000.00	7,086.59	6,626.68	6,537.05	42.61	30.69	76.70	1,224.44	5.02	2,467.88	2,397.27	70.61	34.949		
8,100.00	7,084.49	6,600.00	6,512.08	44.41	30.58	76.11	1,220.13	-3.32	2,487.30	2,415.27	72.03	34.532		
8,200.00	7,082.38	6,600.00	6,512.08	46.33	30.58	76.11	1,220.13	-3.32	2,510.32	2,436.56	73.76	34.036		
8,300.00	7,080.27	6,576.71	6,490.01	48.34	30.48	75.59	1,216.32	-9.72	2,536.84	2,461.61	75.23	33.719		
8,400.00	7,078.16	6,564.42	6,478.28	50.43	30.43	75.31	1,214.30	-12.77	2,566.88	2,490.06	76.82	33.416		
8,500.00	7,076.05	6,550.00	6,464.44	52.59	30.37	74.98	1,211.92	-16.05	2,600.30	2,521.96	78.34	33.190		
8,600.00	7,073.94	6,550.00	6,464.44	54.82	30.37	74.98	1,211.92	-16.05	2,637.01	2,557.02	79.99	32.969		
8,700.00	7,071.84	6,535.70	6,450.65	57.10	30.31	74.66	1,209.56	-18.99	2,676.84	2,595.42	81.42	32.877		
8,800.00	7,069.73	6,528.15	6,443.34	59.44	30.27	74.49	1,208.31	-20.41	2,719.73	2,636.86	82.87	32.820		
8,900.00	7,067.62	6,521.36	6,436.76	61.81	30.25	74.33	1,207.18	-21.62	2,765.51	2,681.25	84.26	32.821		
9,000.00	7,065.51	6,500.00	6,415.96	64.23	30.15	73.84	1,203.63	-24.95	2,814.19	2,728.76	85.43	32.941		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	6,500.00	6,415.96	66.68	30.15	73.84	1,203.63	-24.95	2,865.29	2,778.53	86.76	33.027		
9,200.00	7,061.29	6,500.00	6,415.96	69.15	30.15	73.84	1,203.63	-24.95	2,918.92	2,830.91	88.01	33.165		
9,300.00	7,059.18	6,500.00	6,415.96	71.66	30.15	73.84	1,203.63	-24.95	2,974.95	2,885.75	89.20	33.353		
9,400.00	7,057.08	6,500.00	6,415.96	74.19	30.15	73.84	1,203.63	-24.95	3,033.24	2,942.92	90.31	33.587		
9,500.00	7,054.97	6,500.00	6,415.96	76.75	30.15	73.84	1,203.63	-24.95	3,093.66	3,002.30	91.36	33.863		
9,600.00	7,052.86	6,500.00	6,415.96	79.32	30.15	73.84	1,203.63	-24.95	3,156.10	3,063.76	92.34	34.179		
9,700.00	7,050.75	6,500.00	6,415.96	81.91	30.15	73.84	1,203.63	-24.95	3,220.43	3,127.17	93.26	34.531		
9,800.00	7,048.64	6,481.49	6,397.85	84.52	30.07	73.41	1,200.54	-27.26	3,286.31	3,192.37	93.95	34.981		
9,900.00	7,046.53	6,478.55	6,394.98	87.14	30.05	73.35	1,200.05	-27.58	3,354.03	3,259.30	94.73	35.407		
10,000.00	7,044.43	6,475.81	6,392.28	89.78	30.04	73.28	1,199.59	-27.86	3,423.31	3,327.85	95.46	35.862		
10,100.00	7,042.32	6,473.24	6,389.76	92.43	30.03	73.22	1,199.16	-28.12	3,494.07	3,397.93	96.14	36.344		
10,200.00	7,040.21	6,470.82	6,387.40	95.09	30.02	73.17	1,198.76	-28.35	3,566.22	3,469.45	96.78	36.850		
10,300.00	7,038.10	6,450.00	6,366.93	97.76	29.93	72.69	1,195.28	-29.96	3,639.93	3,542.74	97.19	37.450		
10,400.00	7,035.99	6,450.00	6,366.93	100.44	29.93	72.69	1,195.28	-29.96	3,714.58	3,616.80	97.77	37.992		
10,500.00	7,033.88	6,450.00	6,366.93	103.13	29.93	72.69	1,195.28	-29.96	3,790.39	3,692.07	98.31	38.554		
10,600.00	7,031.78	6,450.00	6,366.93	105.82	29.93	72.69	1,195.28	-29.96	3,867.30	3,768.48	98.82	39.135		
10,700.00	7,029.67	6,450.00	6,366.93	108.53	29.93	72.69	1,195.28	-29.96	3,945.25	3,845.96	99.29	39.734		
10,800.00	7,027.56	6,450.00	6,366.93	111.24	29.93	72.69	1,195.28	-29.96	4,024.17	3,924.44	99.73	40.349		
10,900.00	7,025.45	6,450.00	6,366.93	113.96	29.93	72.69	1,195.28	-29.96	4,104.01	4,003.86	100.15	40.980		
11,000.00	7,023.34	6,450.00	6,366.93	116.68	29.93	72.69	1,195.28	-29.96	4,184.72	4,084.19	100.53	41.625		
11,100.00	7,021.23	6,450.00	6,366.93	119.41	29.93	72.69	1,195.28	-29.96	4,266.24	4,165.35	100.90	42.284		
11,200.00	7,019.13	6,450.00	6,366.93	122.15	29.93	72.69	1,195.28	-29.96	4,348.54	4,247.31	101.24	42.955		
11,300.00	7,017.02	6,450.00	6,366.93	124.89	29.93	72.69	1,195.28	-29.96	4,431.57	4,330.01	101.55	43.638		
11,400.00	7,014.91	6,450.00	6,366.93	127.63	29.93	72.69	1,195.28	-29.96	4,515.28	4,413.43	101.85	44.332		
11,500.00	7,012.80	6,450.00	6,366.93	130.38	29.93	72.69	1,195.28	-29.96	4,599.64	4,497.51	102.13	45.036		
11,600.00	7,010.69	6,450.00	6,366.93	133.14	29.93	72.69	1,195.28	-29.96	4,684.62	4,582.22	102.40	45.750		
11,700.00	7,008.58	6,450.00	6,366.93	135.89	29.93	72.69	1,195.28	-29.96	4,770.18	4,667.54	102.65	46.472		
11,800.00	7,006.47	6,450.00	6,366.93	138.65	29.93	72.69	1,195.28	-29.96	4,856.30	4,753.42	102.88	47.204		
11,900.00	7,004.37	6,450.00	6,366.93	141.42	29.93	72.69	1,195.28	-29.96	4,942.93	4,839.83	103.10	47.943		
12,000.00	7,002.26	6,450.00	6,366.93	144.19	29.93	72.69	1,195.28	-29.96	5,030.06	4,926.76	103.31	48.690		
12,100.00	7,000.15	6,450.00	6,366.93	146.96	29.93	72.69	1,195.28	-29.96	5,117.67	5,014.16	103.50	49.444		
12,200.00	6,998.04	6,450.00	6,366.93	149.73	29.93	72.69	1,195.28	-29.96	5,205.72	5,102.03	103.69	50.205		
12,300.00	6,995.93	6,450.00	6,366.93	152.51	29.93	72.69	1,195.28	-29.96	5,294.19	5,190.32	103.87	50.971		
12,400.00	6,993.82	6,450.00	6,366.93	155.28	29.93	72.69	1,195.28	-29.96	5,383.07	5,279.03	104.03	51.744		
12,500.00	6,991.72	6,450.00	6,366.93	158.06	29.93	72.69	1,195.28	-29.96	5,472.33	5,368.14	104.19	52.523		
12,600.00	6,989.61	6,450.00	6,366.93	160.85	29.93	72.69	1,195.28	-29.96	5,561.96	5,457.62	104.34	53.306		
12,700.00	6,987.50	6,450.00	6,366.93	163.63	29.93	72.69	1,195.28	-29.96	5,651.93	5,547.45	104.48	54.094		
12,800.00	6,985.39	6,450.00	6,366.93	166.42	29.93	72.69	1,195.28	-29.96	5,742.24	5,637.62	104.62	54.888		
12,900.00	6,983.28	6,450.00	6,366.93	169.21	29.93	72.69	1,195.28	-29.96	5,832.86	5,728.11	104.75	55.685		
13,000.00	6,981.17	6,450.00	6,366.93	172.00	29.93	72.69	1,195.28	-29.96	5,923.78	5,818.91	104.87	56.487		
13,100.00	6,979.07	6,450.00	6,366.93	174.79	29.93	72.69	1,195.28	-29.96	6,015.00	5,910.01	104.99	57.292		
13,200.00	6,976.96	6,450.00	6,366.93	177.59	29.93	72.69	1,195.28	-29.96	6,106.48	6,001.38	105.10	58.101		
13,300.00	6,974.85	6,450.00	6,366.93	180.38	29.93	72.69	1,195.28	-29.96	6,198.23	6,093.03	105.21	58.914		
13,400.00	6,972.74	6,450.00	6,366.93	183.18	29.93	72.69	1,195.28	-29.96	6,290.24	6,184.92	105.31	59.730		
13,500.00	6,970.63	6,450.00	6,366.93	185.98	29.93	72.69	1,195.28	-29.96	6,382.48	6,277.07	105.41	60.548		
13,600.00	6,968.52	6,450.00	6,366.93	188.78	29.93	72.69	1,195.28	-29.96	6,474.95	6,369.45	105.51	61.370		
13,700.00	6,966.41	6,450.00	6,366.93	191.58	29.93	72.69	1,195.28	-29.96	6,567.65	6,462.05	105.60	62.195		
13,800.00	6,964.31	6,450.00	6,366.93	194.39	29.93	72.69	1,195.28	-29.96	6,660.55	6,554.87	105.69	63.022		
13,900.00	6,962.20	6,450.00	6,366.93	197.19	29.93	72.69	1,195.28	-29.96	6,753.66	6,647.89	105.77	63.852		
14,000.00	6,960.09	6,429.91	6,347.14	200.00	29.83	72.22	1,191.93	-30.87	6,846.64	6,740.94	105.69	64.779		
14,100.00	6,957.98	6,429.42	6,346.66	202.80	29.83	72.21	1,191.84	-30.89	6,940.11	6,834.34	105.77	65.616		
14,200.00	6,955.87	6,428.95	6,346.19	205.61	29.83	72.20	1,191.76	-30.90	7,033.76	6,927.92	105.84	66.455		

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

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

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,300.00	6,953.76	6,428.48	6,345.74	208.42	29.83	72.19	1,191.69	-30.92	7,127.58	7,021.67	105.91	67.296	
14,400.00	6,951.66	6,428.04	6,345.30	211.23	29.82	72.18	1,191.61	-30.93	7,221.57	7,115.59	105.98	68.139	
14,500.00	6,949.55	6,427.60	6,344.86	214.04	29.82	72.17	1,191.54	-30.94	7,315.72	7,209.67	106.05	68.984	
14,600.00	6,947.44	6,427.17	6,344.44	216.85	29.82	72.16	1,191.47	-30.95	7,410.02	7,303.91	106.12	69.830	
14,700.00	6,945.33	6,426.76	6,344.04	219.66	29.82	72.15	1,191.40	-30.96	7,504.47	7,398.29	106.18	70.677	
14,800.00	6,943.22	6,426.35	6,343.64	222.48	29.82	72.14	1,191.33	-30.97	7,599.06	7,492.82	106.24	71.526	
14,900.00	6,941.11	6,425.96	6,343.25	225.29	29.81	72.13	1,191.27	-30.98	7,693.79	7,587.49	106.30	72.376	
15,000.00	6,939.01	6,405.66	6,323.24	228.11	29.72	71.66	1,187.88	-31.13	7,788.97	7,682.77	106.20	73.342	
15,100.00	6,936.90	6,405.66	6,323.24	230.92	29.72	71.66	1,187.88	-31.13	7,883.94	7,777.68	106.26	74.193	
15,200.00	6,934.79	6,405.66	6,323.24	233.74	29.72	71.66	1,187.88	-31.13	7,979.04	7,872.72	106.32	75.045	
15,300.00	6,932.68	6,405.66	6,323.24	236.56	29.72	71.66	1,187.88	-31.13	8,074.25	7,967.87	106.38	75.899	
15,400.00	6,930.57	6,405.66	6,323.24	239.37	29.72	71.66	1,187.88	-31.13	8,169.58	8,063.14	106.44	76.753	
15,500.00	6,928.46	6,405.66	6,323.24	242.19	29.72	71.66	1,187.88	-31.13	8,265.02	8,158.52	106.50	77.607	
15,521.99	6,928.00	6,405.66	6,323.24	242.81	29.72	71.66	1,187.88	-31.13	8,286.02	8,179.51	106.51	77.795	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-29.87	-2.78	30.00					
100.00	100.00	100.00	100.00	3.28	3.28	-174.68	-29.87	-2.78	30.00	23.43	6.57	4.567		
200.00	200.00	200.00	200.00	3.34	3.34	-174.68	-29.87	-2.78	30.00	23.33	6.67	4.495 CC		
300.00	299.98	298.96	298.94	3.44	3.44	41.20	-31.53	-3.19	30.38	23.49	6.89	4.410		
400.00	399.84	397.80	397.64	3.59	3.59	48.29	-36.50	-4.41	31.84	24.63	7.21	4.415		
500.00	499.45	496.42	495.89	3.79	3.78	58.47	-44.75	-6.44	35.23	27.60	7.63	4.615		
600.00	598.70	594.70	593.45	4.04	4.02	69.35	-56.23	-9.27	41.46	33.32	8.13	5.097		
700.00	697.47	692.54	690.11	4.32	4.29	78.92	-70.89	-12.88	51.01	42.32	8.70	5.865		
773.50	769.68	764.11	760.47	4.55	4.52	84.63	-83.63	-16.01	60.20	51.05	9.15	6.578		
800.00	795.65	789.84	785.68	4.64	4.60	86.38	-88.63	-17.24	63.96	54.64	9.32	6.862		
900.00	893.65	886.62	880.07	5.00	4.95	90.39	-109.39	-22.35	80.07	70.06	10.00	8.004		
1,000.00	991.65	982.73	973.03	5.38	5.33	91.65	-133.06	-28.18	98.72	87.99	10.73	9.197		
1,100.00	1,089.66	1,077.97	1,064.29	5.78	5.73	91.38	-159.49	-34.68	119.68	108.18	11.50	10.408		
1,200.00	1,187.66	1,172.13	1,153.58	6.20	6.16	90.28	-188.51	-41.82	142.94	130.65	12.29	11.633		
1,300.00	1,285.66	1,266.35	1,241.95	6.63	6.62	88.77	-220.21	-49.62	168.43	155.33	13.10	12.860		
1,400.00	1,383.67	1,362.80	1,332.18	7.07	7.11	87.48	-253.32	-57.77	194.53	180.58	13.95	13.947		
1,500.00	1,481.67	1,459.25	1,422.41	7.51	7.62	86.49	-286.43	-65.92	220.70	205.89	14.82	14.893		
1,600.00	1,579.67	1,555.70	1,512.63	7.97	8.14	85.72	-319.53	-74.06	246.93	231.22	15.71	15.719		
1,700.00	1,677.67	1,652.16	1,602.86	8.43	8.67	85.09	-352.64	-82.21	273.18	256.57	16.61	16.443		
1,800.00	1,775.68	1,748.61	1,693.08	8.90	9.20	84.58	-385.74	-90.36	299.46	281.93	17.53	17.080		
1,900.00	1,873.68	1,845.06	1,783.31	9.37	9.75	84.14	-418.85	-98.50	325.77	307.30	18.46	17.644		
2,000.00	1,971.68	1,941.51	1,873.53	9.84	10.29	83.77	-451.96	-106.65	352.08	332.68	19.40	18.145		
2,100.00	2,069.69	2,037.97	1,963.76	10.32	10.85	83.46	-485.06	-114.79	378.41	358.05	20.35	18.593		
2,200.00	2,167.69	2,134.42	2,053.99	10.80	11.41	83.18	-518.17	-122.94	404.74	383.43	21.31	18.994		
2,300.00	2,265.69	2,230.87	2,144.21	11.28	11.97	82.94	-551.27	-131.09	431.09	408.82	22.27	19.356		
2,400.00	2,363.69	2,327.32	2,234.44	11.77	12.53	82.72	-584.38	-139.23	457.44	434.20	23.24	19.683		
2,500.00	2,461.70	2,423.78	2,324.66	12.25	13.10	82.53	-617.49	-147.38	483.79	459.58	24.21	19.980		
2,600.00	2,559.70	2,520.23	2,414.89	12.74	13.67	82.36	-650.59	-155.53	510.15	484.96	25.19	20.251		
2,700.00	2,657.70	2,616.68	2,505.12	13.23	14.24	82.21	-683.70	-163.67	536.52	510.34	26.17	20.498		
2,800.00	2,755.71	2,713.13	2,595.34	13.72	14.82	82.07	-716.80	-171.82	562.89	535.73	27.16	20.725		
2,900.00	2,853.71	2,809.59	2,685.57	14.21	15.39	81.94	-749.91	-179.97	589.26	561.11	28.15	20.934		
3,000.00	2,951.71	2,906.04	2,775.79	14.70	15.97	81.82	-783.02	-188.11	615.63	586.49	29.14	21.127		
3,100.00	3,049.71	3,002.49	2,866.02	15.20	16.55	81.72	-816.12	-196.26	642.00	611.87	30.13	21.305		
3,200.00	3,147.72	3,101.06	2,956.25	15.69	17.14	81.62	-849.23	-204.41	668.38	637.24	31.14	21.463		
3,300.00	3,245.72	3,204.60	3,046.47	16.19	17.76	81.53	-882.33	-212.55	694.76	662.58	32.18	21.590		
3,400.00	3,343.72	3,308.15	3,136.70	16.69	18.39	81.44	-915.44	-220.70	721.14	687.92	33.22	21.709		
3,500.00	3,441.73	3,388.30	3,226.92	17.18	18.87	81.36	-948.55	-228.85	747.52	713.39	34.13	21.901		
3,600.00	3,539.73	3,484.75	3,317.15	17.68	19.45	81.29	-981.65	-236.99	773.90	738.77	35.14	22.026		
3,700.00	3,637.73	3,581.21	3,407.37	18.18	20.04	81.22	-1,014.76	-245.14	800.29	764.14	36.14	22.143		
3,800.00	3,735.73	3,681.02	3,500.76	18.68	20.64	81.16	-1,048.99	-253.56	826.65	789.46	37.19	22.229		
3,900.00	3,833.74	3,808.44	3,621.12	19.18	21.39	81.22	-1,089.55	-263.54	850.89	812.35	38.54	22.080		
4,000.00	3,931.74	3,937.89	3,745.19	19.67	22.11	81.50	-1,125.40	-272.37	871.58	831.75	39.83	21.881		
4,100.00	4,029.74	4,068.88	3,872.29	20.17	22.79	82.00	-1,156.09	-279.92	888.67	847.59	41.08	21.634		
4,200.00	4,127.75	4,200.89	4,001.71	20.67	23.44	82.70	-1,181.29	-286.12	902.16	859.90	42.26	21.348		
4,300.00	4,225.75	4,333.35	4,132.65	21.18	24.04	83.61	-1,200.73	-290.90	912.08	868.72	43.37	21.032		
4,400.00	4,323.75	4,465.72	4,264.26	21.68	24.59	84.73	-1,214.26	-294.23	918.53	874.12	44.41	20.685		
4,500.00	4,421.76	4,597.42	4,395.72	22.18	25.10	86.06	-1,221.85	-296.10	921.63	876.25	45.38	20.310		
4,600.00	4,519.76	4,721.48	4,519.76	22.68	25.51	87.52	-1,223.69	-296.55	921.65	875.38	46.26	19.922		
4,700.00	4,617.76	4,819.48	4,617.76	23.18	25.80	88.73	-1,223.69	-296.55	920.98	873.83	47.15	19.532		
4,800.00	4,715.76	4,917.49	4,715.76	23.68	26.09	89.94	-1,223.69	-296.55	920.75	872.70	48.05	19.164		
4,804.68	4,720.35	4,922.07	4,720.35	23.71	26.11	90.00	-1,223.69	-296.55	920.75	872.66	48.09	19.147		
4,900.00	4,813.77	5,015.49	4,813.77	24.18	26.39	91.16	-1,223.69	-296.55	920.94	872.00	48.94	18.818		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,911.77	5,113.49	4,911.77	24.69	26.69	92.37	-1,223.69	-296.55	921.57	871.73	49.83	18.494		
5,100.00	5,009.77	5,211.49	5,009.77	25.19	26.99	93.58	-1,223.69	-296.55	922.62	871.89	50.72	18.189		
5,200.00	5,107.78	5,309.50	5,107.78	25.69	27.30	94.78	-1,223.69	-296.55	924.10	872.48	51.62	17.903		
5,300.00	5,205.78	5,407.50	5,205.78	26.19	27.61	95.98	-1,223.69	-296.55	926.00	873.49	52.51	17.635		
5,400.00	5,303.78	5,505.50	5,303.78	26.70	27.93	97.18	-1,223.69	-296.55	928.33	874.93	53.40	17.385		
5,500.00	5,401.78	5,603.51	5,401.78	27.20	28.24	98.37	-1,223.69	-296.55	931.07	876.78	54.29	17.151		
5,600.00	5,499.79	5,701.51	5,499.79	27.70	28.56	99.56	-1,223.69	-296.55	934.23	879.06	55.18	16.932		
5,700.00	5,597.79	5,800.49	5,597.79	28.21	28.89	100.73	-1,223.69	-296.55	937.80	881.74	56.07	16.727		
5,800.00	5,695.79	5,902.49	5,695.79	28.71	29.23	101.90	-1,223.69	-296.55	941.78	884.82	56.96	16.533		
5,900.00	5,793.80	6,004.48	5,793.80	29.22	29.57	103.05	-1,223.69	-296.55	946.16	888.30	57.86	16.353		
6,000.00	5,891.80	6,106.48	5,891.80	29.72	29.92	104.20	-1,223.69	-296.55	950.93	892.18	58.75	16.186		
6,100.00	5,989.80	6,208.48	5,989.80	30.22	30.26	105.33	-1,223.69	-296.55	956.10	896.45	59.64	16.030		
6,200.00	6,087.80	6,289.53	6,087.80	30.73	30.54	106.45	-1,223.69	-296.55	961.65	901.19	60.46	15.906		
6,300.00	6,185.81	6,387.53	6,185.81	31.23	30.88	107.56	-1,223.69	-296.55	967.57	906.24	61.33	15.776		
6,400.00	6,283.81	6,485.53	6,283.81	31.74	31.22	108.66	-1,223.69	-296.55	973.87	911.66	62.20	15.657		
6,500.00	6,381.81	6,583.53	6,381.81	32.24	31.72	109.73	-1,223.69	-296.55	980.57	917.45	63.07	15.542		
6,520.79	6,402.19	8,113.96	7,229.34	32.35	40.06	83.29	-1,220.62	659.92	855.50	837.03	18.47	46.321		
6,550.00	6,430.87	8,116.50	7,229.34	32.49	40.11	55.13	-1,220.61	662.46	826.52	807.90	18.62	44.382		
6,600.00	6,480.12	8,117.75	7,229.35	32.72	40.13	-13.52	-1,220.61	663.71	776.77	757.91	18.86	41.180		
6,650.00	6,529.30	8,115.08	7,229.34	32.93	40.08	-70.79	-1,220.62	661.04	727.09	708.02	19.07	38.122		
6,700.00	6,578.09	8,108.50	7,229.34	33.12	39.97	-102.22	-1,220.64	654.46	677.80	658.54	19.26	35.195		
6,750.00	6,626.21	8,101.95	7,229.32	33.30	39.86	-119.78	-1,220.67	644.01	629.21	609.74	19.47	32.319		
6,800.00	6,673.34	8,093.80	7,229.31	33.46	39.58	-130.43	-1,220.72	629.76	581.61	562.01	19.60	29.675		
6,850.00	6,719.21	8,085.84	7,229.29	33.61	39.30	-137.32	-1,220.78	611.80	535.31	515.53	19.78	27.066		
6,900.00	6,763.53	8,044.27	7,229.27	33.75	38.96	-141.97	-1,220.85	590.23	490.60	470.63	19.98	24.558		
6,950.00	6,806.03	8,019.23	7,229.24	33.89	38.57	-145.18	-1,220.93	565.19	447.77	427.55	20.21	22.151		
7,000.00	6,846.44	8,009.12	7,229.21	34.02	38.42	-147.40	-1,221.02	536.84	407.07	386.37	20.70	19.666		
7,050.00	6,884.52	7,959.39	7,229.18	34.15	37.72	-148.89	-1,221.12	505.35	368.78	347.87	20.91	17.637		
7,100.00	6,920.03	7,924.95	7,229.14	34.27	37.25	-149.83	-1,221.23	470.91	333.12	311.72	21.40	15.564		
7,150.00	6,952.75	7,887.77	7,229.10	34.40	36.77	-150.33	-1,221.35	433.73	300.32	278.30	22.03	13.634		
7,200.00	6,982.48	7,848.09	7,229.06	34.54	36.32	-150.46	-1,221.48	394.05	270.59	247.78	22.81	11.863		
7,250.00	7,009.04	7,806.15	7,229.01	34.70	35.86	-150.31	-1,221.61	352.11	244.09	220.37	23.72	10.291		
7,300.00	7,032.26	7,748.32	7,227.35	34.87	35.35	-149.22	-1,221.80	294.32	219.99	194.42	25.57	8.605		
7,350.00	7,052.00	7,687.91	7,220.16	35.08	34.95	-147.06	-1,221.99	234.36	195.74	166.71	29.04	6.741		
7,400.00	7,068.14	7,631.12	7,208.25	35.34	34.68	-143.83	-1,222.17	178.86	171.65	138.04	33.60	5.108		
7,450.00	7,080.57	7,577.50	7,192.50	35.65	34.51	-139.24	-1,222.33	127.61	148.23	109.21	39.02	3.799		
7,500.00	7,089.23	7,526.61	7,173.63	36.01	34.38	-132.85	-1,222.48	80.38	126.25	80.95	45.30	2.787		
7,550.00	7,094.06	7,478.12	7,152.18	36.44	34.27	-124.11	-1,222.62	36.90	106.81	54.31	52.49	2.035		
7,601.12	7,095.00	7,430.69	7,128.06	36.93	34.17	-112.25	-1,222.75	-3.93	91.32	30.86	60.46	1.510		
7,675.72	7,093.43	7,367.28	7,091.20	37.77	34.04	-88.42	-1,222.92	-55.49	80.87	11.04	69.83	1.158 Level 2, ES, SF		
7,700.00	7,092.92	7,348.47	7,079.29	38.05	34.00	-80.25	-1,222.97	-70.06	82.24	11.50	70.74	1.163 Level 2		
7,800.00	7,090.81	7,279.67	7,032.22	39.40	33.84	-53.01	-1,223.13	-120.18	115.30	49.58	65.72	1.754		
7,900.00	7,088.70	7,223.10	6,989.64	40.93	33.70	-37.73	-1,223.25	-157.40	175.98	113.93	62.04	2.836		
8,000.00	7,086.59	7,176.45	6,952.16	42.61	33.58	-29.39	-1,223.34	-185.14	249.06	187.56	61.50	4.050		
8,100.00	7,084.49	7,137.72	6,919.55	44.41	33.47	-24.44	-1,223.40	-206.05	328.81	266.86	61.96	5.307		
8,200.00	7,082.38	7,100.00	6,886.64	46.33	33.35	-20.80	-1,223.46	-224.46	412.88	350.55	62.33	6.624		
8,300.00	7,080.27	7,077.81	6,866.79	48.34	33.29	-19.05	-1,223.49	-234.38	499.80	436.50	63.30	7.896		
8,400.00	7,078.16	7,050.00	6,841.44	50.43	33.20	-17.19	-1,223.53	-245.81	589.00	525.28	63.72	9.243		
8,500.00	7,076.05	7,034.17	6,826.80	52.59	33.15	-16.26	-1,223.55	-251.82	679.82	615.45	64.37	10.561		
8,600.00	7,073.94	7,016.62	6,810.39	54.82	33.09	-15.34	-1,223.57	-258.06	771.99	707.20	64.79	11.916		
8,700.00	7,071.84	7,000.00	6,794.71	57.10	33.03	-14.54	-1,223.59	-263.55	865.21	800.10	65.11	13.289		
8,800.00	7,069.73	7,000.00	6,794.71	59.44	33.03	-14.54	-1,223.59	-263.55	959.47	893.85	65.62	14.621		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,067.62	6,975.65	6,771.48	61.81	32.95	-13.49	-1,223.61	-270.84	1,054.05	988.38	65.67	16.051		
9,000.00	7,065.51	6,964.90	6,761.14	64.23	32.92	-13.07	-1,223.62	-273.78	1,149.41	1,083.54	65.88	17.448		
9,100.00	7,063.40	6,950.00	6,746.73	66.68	32.86	-12.53	-1,223.63	-277.56	1,245.30	1,179.30	66.00	18.869		
9,200.00	7,061.29	6,950.00	6,746.73	69.15	32.86	-12.53	-1,223.63	-277.56	1,341.56	1,275.31	66.25	20.251		
9,300.00	7,059.18	6,950.00	6,746.73	71.66	32.86	-12.53	-1,223.63	-277.56	1,438.33	1,371.88	66.44	21.647		
9,400.00	7,057.08	6,931.42	6,728.64	74.19	32.80	-11.91	-1,223.65	-281.80	1,535.13	1,468.66	66.47	23.096		
9,500.00	7,054.97	6,924.84	6,722.20	76.75	32.78	-11.70	-1,223.65	-283.18	1,632.34	1,565.77	66.57	24.519		
9,600.00	7,052.86	6,918.80	6,716.28	79.32	32.75	-11.52	-1,223.65	-284.38	1,729.79	1,663.12	66.67	25.946		
9,700.00	7,050.75	6,900.00	6,697.79	81.91	32.69	-10.98	-1,223.66	-287.77	1,827.64	1,760.96	66.68	27.410		
9,800.00	7,048.64	6,900.00	6,697.79	84.52	32.69	-10.98	-1,223.66	-287.77	1,925.36	1,858.57	66.79	28.826		
9,900.00	7,046.53	6,900.00	6,697.79	87.14	32.69	-10.98	-1,223.66	-287.77	2,023.31	1,956.41	66.89	30.247		
10,000.00	7,044.43	6,900.00	6,697.79	89.78	32.69	-10.98	-1,223.66	-287.77	2,121.44	2,054.46	66.98	31.672		
10,100.00	7,042.32	6,900.00	6,697.79	92.43	32.69	-10.98	-1,223.66	-287.77	2,219.75	2,152.68	67.06	33.099		
10,200.00	7,040.21	6,900.00	6,697.79	95.09	32.69	-10.98	-1,223.66	-287.77	2,318.20	2,251.06	67.14	34.529		
10,300.00	7,038.10	6,900.00	6,697.79	97.76	32.69	-10.98	-1,223.66	-287.77	2,416.77	2,349.57	67.21	35.961		
10,400.00	7,035.99	6,900.00	6,697.79	100.44	32.69	-10.98	-1,223.66	-287.77	2,515.46	2,448.19	67.27	37.393		
10,500.00	7,033.88	6,880.84	6,678.85	103.13	32.62	-10.48	-1,223.67	-290.65	2,613.89	2,546.63	67.27	38.859		
10,600.00	7,031.78	6,877.86	6,675.90	105.82	32.61	-10.40	-1,223.67	-291.05	2,712.65	2,645.34	67.32	40.296		
10,700.00	7,029.67	6,875.06	6,673.12	108.53	32.60	-10.33	-1,223.68	-291.41	2,811.49	2,744.12	67.37	41.733		
10,800.00	7,027.56	6,872.41	6,670.49	111.24	32.59	-10.27	-1,223.68	-291.74	2,910.39	2,842.97	67.42	43.170		
10,900.00	7,025.45	6,869.90	6,668.00	113.96	32.58	-10.21	-1,223.68	-292.05	3,009.34	2,941.88	67.47	44.606		
11,000.00	7,023.34	6,850.00	6,648.21	116.68	32.51	-9.75	-1,223.68	-294.10	3,108.65	3,041.18	67.47	46.077		
11,100.00	7,021.23	6,850.00	6,648.21	119.41	32.51	-9.75	-1,223.68	-294.10	3,207.64	3,140.12	67.52	47.506		
11,200.00	7,019.13	6,850.00	6,648.21	122.15	32.51	-9.75	-1,223.68	-294.10	3,306.70	3,239.12	67.58	48.934		
11,300.00	7,017.02	6,850.00	6,648.21	124.89	32.51	-9.75	-1,223.68	-294.10	3,405.81	3,338.18	67.63	50.361		
11,400.00	7,014.91	6,850.00	6,648.21	127.63	32.51	-9.75	-1,223.68	-294.10	3,504.97	3,437.29	67.68	51.787		
11,500.00	7,012.80	6,850.00	6,648.21	130.38	32.51	-9.75	-1,223.68	-294.10	3,604.18	3,536.45	67.73	53.212		
11,600.00	7,010.69	6,850.00	6,648.21	133.14	32.51	-9.75	-1,223.68	-294.10	3,703.43	3,635.65	67.78	54.636		
11,700.00	7,008.58	6,850.00	6,648.21	135.89	32.51	-9.75	-1,223.68	-294.10	3,802.72	3,734.88	67.84	56.058		
11,800.00	7,006.47	6,850.00	6,648.21	138.65	32.51	-9.75	-1,223.68	-294.10	3,902.05	3,834.16	67.89	57.479		
11,900.00	7,004.37	6,850.00	6,648.21	141.42	32.51	-9.75	-1,223.68	-294.10	4,001.40	3,933.47	67.94	58.898		
12,000.00	7,002.26	6,850.00	6,648.21	144.19	32.51	-9.75	-1,223.68	-294.10	4,100.80	4,032.81	67.99	60.315		
12,100.00	7,000.15	6,850.00	6,648.21	146.96	32.51	-9.75	-1,223.68	-294.10	4,200.21	4,132.17	68.04	61.731		
12,200.00	6,998.04	6,850.00	6,648.21	149.73	32.51	-9.75	-1,223.68	-294.10	4,299.66	4,231.57	68.09	63.144		
12,300.00	6,995.93	6,850.00	6,648.21	152.51	32.51	-9.75	-1,223.68	-294.10	4,399.13	4,330.99	68.15	64.555		
12,400.00	6,993.82	6,850.00	6,648.21	155.28	32.51	-9.75	-1,223.68	-294.10	4,498.63	4,430.43	68.20	65.964		
12,500.00	6,991.72	6,850.00	6,648.21	158.06	32.51	-9.75	-1,223.68	-294.10	4,598.14	4,529.89	68.25	67.371		
12,600.00	6,989.61	6,850.00	6,648.21	160.85	32.51	-9.75	-1,223.68	-294.10	4,697.68	4,629.38	68.31	68.775		
12,700.00	6,987.50	6,850.00	6,648.21	163.63	32.51	-9.75	-1,223.68	-294.10	4,797.24	4,728.88	68.36	70.177		
12,800.00	6,985.39	6,850.00	6,648.21	166.42	32.51	-9.75	-1,223.68	-294.10	4,896.81	4,828.40	68.41	71.576		
12,900.00	6,983.28	6,850.00	6,648.21	169.21	32.51	-9.75	-1,223.68	-294.10	4,996.40	4,927.94	68.47	72.972		
13,000.00	6,981.17	6,850.00	6,648.21	172.00	32.51	-9.75	-1,223.68	-294.10	5,096.01	5,027.49	68.53	74.366		
13,100.00	6,979.07	6,850.00	6,648.21	174.79	32.51	-9.75	-1,223.68	-294.10	5,195.64	5,127.05	68.58	75.758		
13,200.00	6,976.96	6,850.00	6,648.21	177.59	32.51	-9.75	-1,223.68	-294.10	5,295.27	5,226.63	68.64	77.146		
13,300.00	6,974.85	6,850.00	6,648.21	180.38	32.51	-9.75	-1,223.68	-294.10	5,394.92	5,326.22	68.70	78.531		
13,400.00	6,972.74	6,850.00	6,648.21	183.18	32.51	-9.75	-1,223.68	-294.10	5,494.59	5,425.83	68.76	79.914		
13,500.00	6,970.63	6,850.00	6,648.21	185.98	32.51	-9.75	-1,223.68	-294.10	5,594.26	5,525.45	68.82	81.294		
13,600.00	6,968.52	6,850.00	6,648.21	188.78	32.51	-9.75	-1,223.68	-294.10	5,693.95	5,625.07	68.88	82.670		
13,700.00	6,966.41	6,850.00	6,648.21	191.58	32.51	-9.75	-1,223.68	-294.10	5,793.64	5,724.71	68.94	84.044		
13,800.00	6,964.31	6,850.00	6,648.21	194.39	32.51	-9.75	-1,223.68	-294.10	5,893.35	5,824.35	69.00	85.414		
13,900.00	6,962.20	6,850.00	6,648.21	197.19	32.51	-9.75	-1,223.68	-294.10	5,993.07	5,924.01	69.06	86.781		
14,000.00	6,960.09	6,850.00	6,648.21	200.00	32.51	-9.75	-1,223.68	-294.10	6,092.80	6,023.67	69.12	88.145		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 28C-3-L - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	6,957.98	6,850.00	6,648.21	202.80	32.51	-9.75	-1,223.68	-294.10	6,192.53	6,123.35	69.19	89.505	
14,200.00	6,955.87	6,827.52	6,625.78	205.61	32.43	-9.29	-1,223.69	-295.68	6,291.84	6,222.62	69.21	90.903	
14,300.00	6,953.76	6,826.85	6,625.12	208.42	32.43	-9.27	-1,223.69	-295.71	6,391.56	6,322.29	69.28	92.258	
14,400.00	6,951.66	6,826.21	6,624.47	211.23	32.42	-9.26	-1,223.69	-295.74	6,491.30	6,421.95	69.34	93.610	
14,500.00	6,949.55	6,825.58	6,623.84	214.04	32.42	-9.25	-1,223.69	-295.78	6,591.04	6,521.63	69.41	94.959	
14,600.00	6,947.44	6,824.96	6,623.23	216.85	32.42	-9.23	-1,223.69	-295.81	6,690.79	6,621.31	69.48	96.304	
14,700.00	6,945.33	6,824.37	6,622.63	219.66	32.42	-9.22	-1,223.69	-295.83	6,790.54	6,721.00	69.54	97.645	
14,800.00	6,943.22	6,823.79	6,622.06	222.48	32.42	-9.21	-1,223.69	-295.86	6,890.30	6,820.69	69.61	98.983	
14,900.00	6,941.11	6,823.22	6,621.49	225.29	32.41	-9.20	-1,223.69	-295.89	6,990.07	6,920.39	69.68	100.318	
15,000.00	6,939.01	6,822.67	6,620.94	228.11	32.41	-9.19	-1,223.69	-295.91	7,089.85	7,020.10	69.75	101.648	
15,100.00	6,936.90	6,800.00	6,598.28	230.92	32.33	-8.77	-1,223.69	-296.53	7,190.04	7,120.26	69.79	103.031	
15,200.00	6,934.79	6,800.00	6,598.28	233.74	32.33	-8.77	-1,223.69	-296.53	7,289.81	7,219.95	69.86	104.353	
15,300.00	6,932.68	6,800.00	6,598.28	236.56	32.33	-8.77	-1,223.69	-296.53	7,389.58	7,319.65	69.93	105.672	
15,400.00	6,930.57	6,800.00	6,598.28	239.37	32.33	-8.77	-1,223.69	-296.53	7,489.36	7,419.36	70.00	106.987	
15,500.00	6,928.46	6,800.00	6,598.28	242.19	32.33	-8.77	-1,223.69	-296.53	7,589.14	7,519.07	70.08	108.298	
15,521.99	6,928.00	6,800.00	6,598.28	242.81	32.33	-8.77	-1,223.69	-296.53	7,611.08	7,540.99	70.09	108.586	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-174.67	-14.93	-1.39	15.00					
100.00	100.00	100.00	100.00	3.28	3.28	-174.67	-14.93	-1.39	15.00	8.43	6.57	2.283		
200.00	200.00	200.00	200.00	3.34	3.34	-174.67	-14.93	-1.39	15.00	8.32	6.67	2.247 CC		
300.00	299.98	299.47	299.45	3.44	3.44	44.03	-16.58	-1.90	15.40	8.51	6.89	2.236		
400.00	399.84	398.81	398.65	3.59	3.59	57.96	-21.53	-3.40	17.33	10.12	7.21	2.402		
500.00	499.45	497.89	497.35	3.79	3.79	74.06	-29.73	-5.90	22.18	14.55	7.63	2.907		
600.00	598.70	596.58	595.32	4.04	4.03	86.65	-41.15	-9.38	30.68	22.56	8.12	3.778		
700.00	697.47	704.87	692.70	4.32	4.33	95.16	-55.56	-13.77	42.59	33.89	8.70	4.895		
773.50	769.68	767.81	764.45	4.55	4.53	100.77	-66.69	-17.17	52.44	43.33	9.12	5.753		
800.00	795.65	806.02	790.28	4.64	4.65	102.69	-70.70	-18.39	56.17	46.85	9.32	6.026		
900.00	893.65	907.24	887.78	5.00	5.00	108.11	-85.82	-23.00	70.64	60.63	10.01	7.059		
1,000.00	991.65	1,008.47	985.28	5.38	5.38	111.66	-100.94	-27.61	85.52	74.77	10.74	7.961		
1,100.00	1,089.66	1,109.70	1,082.78	5.78	5.77	114.16	-116.06	-32.21	100.62	89.11	11.51	8.739		
1,200.00	1,187.66	1,189.07	1,180.28	6.20	6.08	116.00	-131.18	-36.82	115.86	103.63	12.23	9.474		
1,300.00	1,285.66	1,287.84	1,277.77	6.63	6.48	117.42	-146.31	-41.43	131.20	118.15	13.05	10.057		
1,400.00	1,383.67	1,386.61	1,375.27	7.07	6.90	118.54	-161.43	-46.04	146.59	132.71	13.88	10.561		
1,500.00	1,481.67	1,485.39	1,472.77	7.51	7.32	119.44	-176.55	-50.65	162.03	147.30	14.73	10.998		
1,600.00	1,579.67	1,584.16	1,570.27	7.97	7.75	120.19	-191.67	-55.26	177.50	161.90	15.60	11.380		
1,700.00	1,677.67	1,682.93	1,667.77	8.43	8.18	120.82	-206.79	-59.87	193.00	176.52	16.48	11.714		
1,800.00	1,775.68	1,781.70	1,765.27	8.90	8.62	121.35	-221.92	-64.48	208.52	191.15	17.36	12.010		
1,900.00	1,873.68	1,880.47	1,862.76	9.37	9.06	121.81	-237.04	-69.08	224.05	205.79	18.26	12.271		
2,000.00	1,971.68	1,979.24	1,960.26	9.84	9.50	122.21	-252.16	-73.69	239.59	220.43	19.16	12.505		
2,100.00	2,069.69	2,078.02	2,057.76	10.32	9.95	122.57	-267.28	-78.30	255.14	235.07	20.07	12.713		
2,200.00	2,167.69	2,176.79	2,155.26	10.80	10.40	122.88	-282.40	-82.91	270.70	249.72	20.98	12.901		
2,300.00	2,265.69	2,275.56	2,252.76	11.28	10.86	123.15	-297.53	-87.52	286.27	264.37	21.90	13.071		
2,400.00	2,363.69	2,374.33	2,350.26	11.77	11.31	123.40	-312.65	-92.13	301.85	279.02	22.82	13.225		
2,500.00	2,461.70	2,473.10	2,447.75	12.25	11.77	123.63	-327.77	-96.74	317.43	293.68	23.75	13.365		
2,600.00	2,559.70	2,571.87	2,545.25	12.74	12.23	123.83	-342.89	-101.35	333.01	308.33	24.68	13.493		
2,700.00	2,657.70	2,670.65	2,642.75	13.23	12.69	124.02	-358.01	-105.96	348.60	322.99	25.61	13.610		
2,800.00	2,755.71	2,769.42	2,740.25	13.72	13.15	124.19	-373.14	-110.56	364.19	337.64	26.55	13.718		
2,900.00	2,853.71	2,868.19	2,837.75	14.21	13.61	124.34	-388.26	-115.17	379.78	352.30	27.49	13.817		
3,000.00	2,951.71	2,966.96	2,935.25	14.70	14.07	124.49	-403.38	-119.78	395.38	366.95	28.43	13.909		
3,100.00	3,049.71	3,065.73	3,032.74	15.20	14.54	124.62	-418.50	-124.39	410.98	381.61	29.37	13.995		
3,200.00	3,147.72	3,164.50	3,130.24	15.69	15.00	124.74	-433.62	-129.00	426.58	396.27	30.31	14.074		
3,300.00	3,245.72	3,263.28	3,227.74	16.19	15.47	124.85	-448.75	-133.61	442.18	410.93	31.25	14.148		
3,400.00	3,343.72	3,362.05	3,325.24	16.69	15.93	124.96	-463.87	-138.22	457.79	425.58	32.20	14.216		
3,500.00	3,441.73	3,460.82	3,422.74	17.18	16.40	125.06	-478.99	-142.83	473.39	440.24	33.15	14.281		
3,600.00	3,539.73	3,559.59	3,520.24	17.68	16.87	125.15	-494.11	-147.43	489.00	454.90	34.10	14.341		
3,700.00	3,637.73	3,658.36	3,617.73	18.18	17.34	125.24	-509.23	-152.04	504.60	469.56	35.05	14.398		
3,800.00	3,735.73	3,757.13	3,715.23	18.68	17.81	125.32	-524.36	-156.65	520.21	484.22	36.00	14.451		
3,900.00	3,833.74	3,855.91	3,812.73	19.18	18.28	125.40	-539.48	-161.26	535.82	498.87	36.95	14.502		
4,000.00	3,931.74	3,954.68	3,910.23	19.67	18.75	125.47	-554.60	-165.87	551.43	513.53	37.90	14.549		
4,100.00	4,029.74	4,053.45	4,007.73	20.17	19.22	125.54	-569.72	-170.48	567.05	528.19	38.86	14.594		
4,200.00	4,127.75	4,152.22	4,105.23	20.67	19.69	125.61	-584.84	-175.09	582.66	542.85	39.81	14.636		
4,300.00	4,225.75	4,250.99	4,202.72	21.18	20.16	125.67	-599.97	-179.70	598.27	557.51	40.76	14.677		
4,400.00	4,323.75	4,349.76	4,300.22	21.68	20.63	125.73	-615.09	-184.31	613.88	572.17	41.72	14.715		
4,500.00	4,421.76	4,448.54	4,397.72	22.18	21.10	125.78	-630.21	-188.91	629.50	586.82	42.68	14.751		
4,600.00	4,519.76	4,547.31	4,495.22	22.68	21.57	125.84	-645.33	-193.52	645.11	601.48	43.63	14.785		
4,700.00	4,617.76	4,646.08	4,592.72	23.18	22.04	125.89	-660.45	-198.13	660.73	616.14	44.59	14.818		
4,800.00	4,715.76	4,744.85	4,690.22	23.68	22.51	125.93	-675.58	-202.74	676.34	630.80	45.55	14.850		
4,900.00	4,813.77	4,843.62	4,787.71	24.18	22.99	125.98	-690.70	-207.35	691.96	645.46	46.50	14.879		
5,000.00	4,911.77	4,942.39	4,885.21	24.69	23.46	126.02	-705.82	-211.96	707.58	660.11	47.46	14.908		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,041.17	4,982.71	25.19	23.93	126.07	-720.94	-216.57	723.19	674.77	48.42	14.935		
5,200.00	5,107.78	5,139.94	5,080.21	25.69	24.41	126.11	-736.06	-221.18	738.81	689.43	49.38	14.961		
5,300.00	5,205.78	5,238.71	5,177.71	26.19	24.88	126.14	-751.19	-225.79	754.43	704.09	50.34	14.986		
5,400.00	5,303.78	5,337.48	5,275.21	26.70	25.35	126.18	-766.31	-230.39	770.05	718.75	51.30	15.010		
5,500.00	5,401.78	5,436.25	5,372.70	27.20	25.83	126.22	-781.43	-235.00	785.67	733.41	52.26	15.033		
5,600.00	5,499.79	5,535.02	5,470.20	27.70	26.30	126.25	-796.55	-239.61	801.28	748.06	53.22	15.056		
5,700.00	5,597.79	5,633.79	5,567.70	28.21	26.77	126.28	-811.67	-244.22	816.90	762.72	54.18	15.077		
5,800.00	5,695.79	5,732.57	5,665.20	28.71	27.25	126.32	-826.80	-248.83	832.52	777.38	55.14	15.097		
5,900.00	5,793.80	5,831.34	5,762.70	29.22	27.72	126.35	-841.92	-253.44	848.14	792.04	56.11	15.117		
6,000.00	5,891.80	5,930.11	5,860.20	29.72	28.19	126.38	-857.04	-258.05	863.76	806.69	57.07	15.136		
6,100.00	5,989.80	6,028.88	5,957.69	30.22	28.67	126.40	-872.16	-262.66	879.38	821.35	58.03	15.154		
6,200.00	6,087.80	6,126.88	6,055.70	30.73	29.16	126.43	-887.28	-267.27	895.00	836.96	59.00	15.173		
6,300.00	6,185.81	6,224.99	6,153.71	31.23	29.65	126.46	-902.40	-271.88	910.62	852.57	60.00	15.192		
6,400.00	6,283.81	6,322.99	6,251.71	31.74	30.14	126.49	-917.52	-276.49	926.24	868.18	61.00	15.211		
6,500.00	6,381.81	6,421.00	6,349.71	32.24	30.63	126.52	-932.64	-281.10	941.86	883.79	62.00	15.230		
6,520.79	6,402.19	6,439.66	6,370.09	32.35	30.74	126.53	-936.83	-282.66	946.05	887.98	62.33	15.242		
6,550.00	6,430.87	6,469.25	6,407.80	32.49	30.88	126.55	-941.02	-284.18	951.24	892.17	62.66	15.254		
6,600.00	6,480.12	6,518.50	6,457.05	32.72	31.01	126.57	-945.21	-285.70	956.43	896.36	63.00	15.266		
6,650.00	6,529.30	6,567.68	6,506.23	32.93	31.14	126.59	-949.40	-287.22	961.62	900.55	63.33	15.278		
6,700.00	6,578.09	6,616.07	6,554.92	33.12	31.27	126.61	-953.59	-288.74	966.81	904.74	63.66	15.290		
6,750.00	6,626.21	6,664.19	6,603.04	33.30	31.40	126.63	-957.78	-290.26	972.00	908.93	64.00	15.302		
6,800.00	6,673.34	6,711.01	6,650.17	33.46	31.53	126.65	-961.97	-291.78	977.19	913.12	64.33	15.314		
6,850.00	6,719.21	6,756.88	6,696.04	33.61	31.66	126.67	-966.16	-293.30	982.38	917.31	64.66	15.326		
6,900.00	6,763.53	6,801.20	6,739.36	33.75	31.79	126.69	-970.35	-294.82	987.57	921.50	65.00	15.338		
6,950.00	6,806.03	6,843.69	6,781.86	33.89	31.92	126.71	-974.54	-296.34	992.76	925.69	65.33	15.350		
7,000.00	6,846.44	6,883.10	6,821.27	34.02	32.05	126.73	-978.73	-297.86	997.95	929.88	65.66	15.362		
7,045.31	6,881.06	6,918.07	6,856.89	34.13	32.18	126.75	-982.92	-299.38	1003.14	934.07	66.00	15.374		
7,050.00	6,884.52	6,921.53	6,860.35	34.15	32.20	126.76	-983.51	-299.70	1004.00	934.96	66.00	15.376		
7,100.00	6,920.03	6,957.04	6,895.86	34.27	32.32	126.78	-987.70	-301.22	1009.19	939.15	66.33	15.388		
7,150.00	6,952.75	6,989.76	6,928.58	34.40	32.45	126.80	-991.89	-302.74	1014.38	943.34	66.66	15.400		
7,200.00	6,982.48	7,019.29	6,958.31	34.54	32.58	126.82	-996.08	-304.26	1019.57	947.53	67.00	15.412		
7,250.00	7,009.04	7,045.85	6,984.87	34.70	32.72	126.84	-1000.27	-305.78	1024.76	951.72	67.33	15.424		
7,300.00	7,032.26	7,069.07	6,999.09	34.87	32.86	126.86	-1004.46	-307.30	1029.95	955.91	67.66	15.436		
7,350.00	7,052.00	7,088.31	7,018.33	35.08	33.03	126.88	-1008.65	-308.82	1035.14	960.10	68.00	15.448		
7,400.00	7,068.14	7,104.45	7,034.47	35.34	33.28	126.90	-1012.84	-310.34	1040.33	964.29	68.33	15.460		
7,450.00	7,080.57	7,116.88	7,046.90	35.65	33.59	126.92	-1017.03	-311.86	1045.52	968.48	68.66	15.472		
7,500.00	7,089.23	7,125.54	7,055.56	36.01	33.95	126.94	-1021.22	-313.38	1050.71	972.67	69.00	15.484		
7,550.00	7,094.06	7,130.37	7,060.39	36.44	34.36	126.96	-1025.41	-314.90	1055.90	976.86	69.33	15.496		
7,601.12	7,095.00	7,131.30	7,061.32	36.93	34.85	126.98	-1029.60	-316.42	1061.09	981.05	69.66	15.508		
7,700.00	7,092.92	7,129.22	7,059.24	38.05	35.97	127.00	-1033.79	-317.94	1066.28	985.24	70.66	15.527		
7,800.00	7,090.81	7,127.11	7,057.13	39.40	37.32	127.02	-1037.98	-319.46	1071.47	989.43	71.66	15.546		
7,900.00	7,088.70	7,125.00	7,055.02	40.93	38.85	127.04	-1042.17	-320.98	1076.66	993.62	72.66	15.565		
8,000.00	7,086.59	7,122.89	7,052.91	42.61	40.53	127.06	-1046.36	-322.50	1081.85	997.81	73.66	15.584		
8,100.00	7,084.49	7,120.78	7,050.80	44.41	42.33	127.08	-1050.55	-324.02	1087.04	1002.00	74.66	15.603		
8,200.00	7,082.38	7,118.67	7,048.69	46.33	44.25	127.10	-1054.74	-325.54	1092.23	1006.19	75.66	15.622		
8,300.00	7,080.27	7,116.56	7,046.58	48.34	46.26	127.12	-1058.93	-327.06	1097.42	1010.38	76.66	15.641		
8,400.00	7,078.16	7,114.45	7,044.47	50.43	48.35	127.14	-1063.12	-328.58	1102.61	1014.57	77.66	15.660		
8,500.00	7,076.05	7,112.34	7,042.36	52.59	50.51	127.16	-1067.31	-330.10	1107.80	1018.76	78.66	15.679		
8,600.00	7,073.94	7,110.23	7,040.25	54.82	52.74	127.18	-1071.50	-331.62	1112.99	1022.95	79.66	15.698		
8,700.00	7,071.84	7,108.12	7,038.14	57.10	55.02	127.20	-1075.69	-333.14	1118.18	1027.14	80.66	15.717		
8,800.00	7,069.73	7,106.01	7,036.03	59.44	57.36	127.22	-1079.88	-334.66	1123.37	1031.33	81.66	15.736		
8,900.00	7,067.62	7,103.90	7,033.92	61.81	59.73	127.24	-1084.07	-336.18	1128.56	1035.52	82.66	15.755		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	6,623.91	6,536.27	64.23	31.28	18.40	-961.77	-214.66	1,298.54	1,236.84	61.70	21.047		
9,100.00	7,063.40	6,600.00	6,514.76	66.68	31.20	18.08	-958.45	-224.53	1,388.48	1,326.42	62.06	22.373		
9,200.00	7,061.29	6,600.00	6,514.76	69.15	31.20	18.08	-958.45	-224.53	1,479.13	1,416.42	62.72	23.585		
9,300.00	7,059.18	6,600.00	6,514.76	71.66	31.20	18.08	-958.45	-224.53	1,570.92	1,507.66	63.26	24.834		
9,400.00	7,057.08	6,574.44	6,491.36	74.19	31.11	17.76	-954.84	-234.18	1,662.94	1,599.52	63.42	26.221		
9,500.00	7,054.97	6,550.00	6,468.66	76.75	31.03	17.46	-951.34	-242.50	1,756.06	1,692.47	63.58	27.619		
9,600.00	7,052.86	6,550.00	6,468.66	79.32	31.03	17.46	-951.34	-242.50	1,849.31	1,785.35	63.96	28.914		
9,700.00	7,050.75	6,550.00	6,468.66	81.91	31.03	17.46	-951.34	-242.50	1,943.23	1,878.94	64.28	30.229		
9,800.00	7,048.64	6,550.00	6,468.66	84.52	31.03	17.46	-951.34	-242.50	2,037.73	1,973.16	64.56	31.561		
9,900.00	7,046.53	6,531.29	6,451.07	87.14	30.96	17.25	-948.62	-248.27	2,132.37	2,067.70	64.68	32.970		
10,000.00	7,044.43	6,524.37	6,444.52	89.78	30.93	17.17	-947.61	-250.28	2,227.51	2,162.65	64.86	34.344		
10,100.00	7,042.32	6,500.00	6,421.31	92.43	30.84	16.91	-944.02	-256.75	2,323.28	2,258.36	64.92	35.789		
10,200.00	7,040.21	6,500.00	6,421.31	95.09	30.84	16.91	-944.02	-256.75	2,418.85	2,353.74	65.11	37.150		
10,300.00	7,038.10	6,500.00	6,421.31	97.76	30.84	16.91	-944.02	-256.75	2,514.76	2,449.47	65.29	38.519		
10,400.00	7,035.99	6,500.00	6,421.31	100.44	30.84	16.91	-944.02	-256.75	2,610.98	2,545.53	65.44	39.896		
10,500.00	7,033.88	6,500.00	6,421.31	103.13	30.84	16.91	-944.02	-256.75	2,707.47	2,641.88	65.59	41.280		
10,600.00	7,031.78	6,500.00	6,421.31	105.82	30.84	16.91	-944.02	-256.75	2,804.21	2,738.49	65.72	42.669		
10,700.00	7,029.67	6,500.00	6,421.31	108.53	30.84	16.91	-944.02	-256.75	2,901.16	2,835.32	65.84	44.064		
10,800.00	7,027.56	6,500.00	6,421.31	111.24	30.84	16.91	-944.02	-256.75	2,998.32	2,932.37	65.95	45.462		
10,900.00	7,025.45	6,478.15	6,400.30	113.96	30.76	16.68	-940.77	-261.79	3,095.21	3,029.23	65.98	46.911		
11,000.00	7,023.34	6,474.31	6,396.59	116.68	30.74	16.64	-940.20	-262.60	3,192.55	3,126.48	66.07	48.320		
11,100.00	7,021.23	6,470.67	6,393.07	119.41	30.73	16.60	-939.65	-263.35	3,290.02	3,223.86	66.16	49.730		
11,200.00	7,019.13	6,450.00	6,373.00	122.15	30.65	16.40	-936.55	-267.20	3,387.88	3,321.70	66.19	51.185		
11,300.00	7,017.02	6,450.00	6,373.00	124.89	30.65	16.40	-936.55	-267.20	3,485.50	3,419.22	66.28	52.587		
11,400.00	7,014.91	6,450.00	6,373.00	127.63	30.65	16.40	-936.55	-267.20	3,583.24	3,516.87	66.37	53.991		
11,500.00	7,012.80	6,450.00	6,373.00	130.38	30.65	16.40	-936.55	-267.20	3,681.11	3,614.66	66.45	55.396		
11,600.00	7,010.69	6,450.00	6,373.00	133.14	30.65	16.40	-936.55	-267.20	3,779.09	3,712.55	66.53	56.801		
11,700.00	7,008.58	6,450.00	6,373.00	135.89	30.65	16.40	-936.55	-267.20	3,877.17	3,810.56	66.61	58.207		
11,800.00	7,006.47	6,450.00	6,373.00	138.65	30.65	16.40	-936.55	-267.20	3,975.34	3,908.66	66.68	59.614		
11,900.00	7,004.37	6,450.00	6,373.00	141.42	30.65	16.40	-936.55	-267.20	4,073.61	4,006.85	66.76	61.021		
12,000.00	7,002.26	6,450.00	6,373.00	144.19	30.65	16.40	-936.55	-267.20	4,171.96	4,105.13	66.83	62.427		
12,100.00	7,000.15	6,450.00	6,373.00	146.96	30.65	16.40	-936.55	-267.20	4,270.38	4,203.48	66.90	63.833		
12,200.00	6,998.04	6,450.00	6,373.00	149.73	30.65	16.40	-936.55	-267.20	4,368.88	4,301.91	66.97	65.238		
12,300.00	6,995.93	6,450.00	6,373.00	152.51	30.65	16.40	-936.55	-267.20	4,467.44	4,400.40	67.04	66.643		
12,400.00	6,993.82	6,450.00	6,373.00	155.28	30.65	16.40	-936.55	-267.20	4,566.06	4,498.96	67.10	68.046		
12,500.00	6,991.72	6,450.00	6,373.00	158.06	30.65	16.40	-936.55	-267.20	4,664.75	4,597.58	67.17	69.449		
12,600.00	6,989.61	6,450.00	6,373.00	160.85	30.65	16.40	-936.55	-267.20	4,763.49	4,696.25	67.23	70.850		
12,700.00	6,987.50	6,450.00	6,373.00	163.63	30.65	16.40	-936.55	-267.20	4,862.28	4,794.98	67.30	72.249		
12,800.00	6,985.39	6,428.26	6,351.77	166.42	30.55	16.20	-933.27	-270.54	4,960.70	4,893.37	67.33	73.681		
12,900.00	6,983.28	6,426.54	6,350.09	169.21	30.55	16.18	-933.01	-270.77	5,059.51	4,992.12	67.39	75.079		
13,000.00	6,981.17	6,424.89	6,348.47	172.00	30.54	16.16	-932.75	-270.99	5,158.37	5,090.92	67.45	76.475		
13,100.00	6,979.07	6,423.28	6,346.90	174.79	30.53	16.15	-932.51	-271.20	5,257.27	5,189.75	67.51	77.869		
13,200.00	6,976.96	6,400.00	6,324.03	177.59	30.43	15.94	-928.97	-273.78	5,356.61	5,289.07	67.54	79.305		
13,300.00	6,974.85	6,400.00	6,324.03	180.38	30.43	15.94	-928.97	-273.78	5,455.53	5,387.92	67.61	80.691		
13,400.00	6,972.74	6,400.00	6,324.03	183.18	30.43	15.94	-928.97	-273.78	5,554.48	5,486.80	67.68	82.074		
13,500.00	6,970.63	6,400.00	6,324.03	185.98	30.43	15.94	-928.97	-273.78	5,653.46	5,585.72	67.74	83.456		
13,600.00	6,968.52	6,400.00	6,324.03	188.78	30.43	15.94	-928.97	-273.78	5,752.49	5,684.68	67.81	84.835		
13,700.00	6,966.41	6,400.00	6,324.03	191.58	30.43	15.94	-928.97	-273.78	5,851.54	5,783.67	67.87	86.211		
13,800.00	6,964.31	6,400.00	6,324.03	194.39	30.43	15.94	-928.97	-273.78	5,950.63	5,882.69	67.94	87.585		
13,900.00	6,962.20	6,400.00	6,324.03	197.19	30.43	15.94	-928.97	-273.78	6,049.75	5,981.74	68.01	88.957		
14,000.00	6,960.09	6,400.00	6,324.03	200.00	30.43	15.94	-928.97	-273.78	6,148.89	6,080.82	68.07	90.326		
14,100.00	6,957.98	6,400.00	6,324.03	202.80	30.43	15.94	-928.97	-273.78	6,248.07	6,179.93	68.14	91.692		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,955.87	6,400.00	6,324.03	205.61	30.43	15.94	-928.97	-273.78	6,347.27	6,279.06	68.21	93.055		
14,300.00	6,953.76	6,400.00	6,324.03	208.42	30.43	15.94	-928.97	-273.78	6,446.49	6,378.21	68.28	94.416		
14,400.00	6,951.66	6,400.00	6,324.03	211.23	30.43	15.94	-928.97	-273.78	6,545.74	6,477.39	68.35	95.773		
14,500.00	6,949.55	6,400.00	6,324.03	214.04	30.43	15.94	-928.97	-273.78	6,645.01	6,576.59	68.42	97.128		
14,600.00	6,947.44	6,400.00	6,324.03	216.85	30.43	15.94	-928.97	-273.78	6,744.30	6,675.82	68.48	98.479		
14,700.00	6,945.33	6,400.00	6,324.03	219.66	30.43	15.94	-928.97	-273.78	6,843.61	6,775.06	68.55	99.828		
14,800.00	6,943.22	6,400.00	6,324.03	222.48	30.43	15.94	-928.97	-273.78	6,942.94	6,874.32	68.62	101.173		
14,900.00	6,941.11	6,400.00	6,324.03	225.29	30.43	15.94	-928.97	-273.78	7,042.30	6,973.60	68.70	102.515		
15,000.00	6,939.01	6,400.00	6,324.03	228.11	30.43	15.94	-928.97	-273.78	7,141.66	7,072.90	68.77	103.853		
15,100.00	6,936.90	6,400.00	6,324.03	230.92	30.43	15.94	-928.97	-273.78	7,241.05	7,172.21	68.84	105.189		
15,200.00	6,934.79	6,400.00	6,324.03	233.74	30.43	15.94	-928.97	-273.78	7,340.45	7,271.54	68.91	106.521		
15,300.00	6,932.68	6,400.00	6,324.03	236.56	30.43	15.94	-928.97	-273.78	7,439.87	7,370.89	68.98	107.849		
15,400.00	6,930.57	6,400.00	6,324.03	239.37	30.43	15.94	-928.97	-273.78	7,539.31	7,470.25	69.06	109.175		
15,500.00	6,928.46	6,400.00	6,324.03	242.19	30.43	15.94	-928.97	-273.78	7,638.76	7,569.63	69.13	110.496		
15,521.99	6,928.00	6,400.00	6,324.03	242.81	30.43	15.94	-928.97	-273.78	7,660.62	7,591.48	69.15	110.786		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5.64	149.37	14.75	150.09					
100.00	100.00	100.00	100.00	3.28	3.28	5.64	149.37	14.75	150.09	143.52	6.57	22.848		
200.00	200.00	200.00	200.00	3.34	3.34	5.64	149.37	14.75	150.09	143.42	6.67	22.489 CC, ES		
300.00	299.98	296.01	296.00	3.44	3.44	-140.97	150.51	15.88	152.75	145.87	6.89	22.182		
400.00	399.84	391.63	391.48	3.59	3.59	-140.92	153.94	19.25	160.72	153.52	7.21	22.305		
500.00	499.45	486.44	485.96	3.79	3.78	-140.84	159.57	24.79	173.95	166.33	7.62	22.832		
600.00	598.70	580.08	578.97	4.04	4.01	-140.71	167.32	32.41	192.38	184.27	8.11	23.726		
700.00	697.47	672.19	670.05	4.32	4.27	-140.55	177.05	41.98	215.91	207.25	8.66	24.937		
773.50	769.68	738.72	735.55	4.55	4.47	-140.41	185.38	50.16	236.38	227.29	9.09	25.994		
800.00	795.65	762.46	758.85	4.64	4.54	-140.44	188.61	53.34	244.32	235.07	9.26	26.395		
900.00	893.65	853.68	848.07	5.00	4.85	-140.33	202.15	66.66	275.58	265.70	9.87	27.917		
1,000.00	991.65	948.53	940.72	5.38	5.18	-140.16	216.62	80.89	307.27	296.73	10.53	29.175		
1,100.00	1,089.66	1,043.37	1,033.37	5.78	5.55	-140.03	231.08	95.11	338.96	327.73	11.23	30.187		
1,200.00	1,187.66	1,138.21	1,126.02	6.20	5.92	-139.91	245.54	109.33	370.65	358.69	11.96	31.001		
1,300.00	1,285.66	1,233.05	1,218.67	6.63	6.31	-139.82	260.01	123.55	402.34	389.63	12.71	31.659		
1,400.00	1,383.67	1,327.90	1,311.32	7.07	6.72	-139.74	274.47	137.78	434.04	420.55	13.48	32.192		
1,500.00	1,481.67	1,422.74	1,403.96	7.51	7.13	-139.67	288.93	152.00	465.73	451.46	14.27	32.627		
1,600.00	1,579.67	1,517.58	1,496.61	7.97	7.54	-139.61	303.40	166.22	497.43	482.35	15.08	32.983		
1,700.00	1,677.67	1,612.42	1,589.26	8.43	7.97	-139.56	317.86	180.45	529.12	513.22	15.90	33.276		
1,800.00	1,775.68	1,707.27	1,681.91	8.90	8.40	-139.51	332.32	194.67	560.82	544.09	16.73	33.519		
1,900.00	1,873.68	1,802.11	1,774.56	9.37	8.83	-139.47	346.79	208.89	592.52	574.95	17.57	33.721		
2,000.00	1,971.68	1,903.05	1,867.20	9.84	9.30	-139.43	361.25	223.12	624.21	605.77	18.45	33.840		
2,100.00	2,069.69	2,008.20	1,959.85	10.32	9.79	-139.40	375.71	237.34	655.91	636.56	19.35	33.901		
2,200.00	2,167.69	2,086.64	2,052.50	10.80	10.15	-139.37	390.18	251.56	687.61	667.48	20.13	34.151		
2,300.00	2,265.69	2,181.48	2,145.15	11.28	10.60	-139.34	404.64	265.79	719.31	698.31	21.00	34.252		
2,400.00	2,363.69	2,276.32	2,237.80	11.77	11.05	-139.31	419.11	280.01	751.01	729.13	21.87	34.338		
2,500.00	2,461.70	2,371.17	2,330.44	12.25	11.50	-139.29	433.57	294.23	782.70	759.96	22.75	34.410		
2,600.00	2,559.70	2,466.01	2,423.09	12.74	11.95	-139.27	448.03	308.46	814.40	790.78	23.62	34.472		
2,700.00	2,657.70	2,560.85	2,515.74	13.23	12.41	-139.24	462.50	322.68	846.10	821.59	24.51	34.525		
2,800.00	2,755.71	2,655.70	2,608.39	13.72	12.86	-139.23	476.96	336.90	877.80	852.41	25.39	34.570		
2,900.00	2,853.71	2,750.54	2,701.04	14.21	13.32	-139.21	491.42	351.13	909.50	883.22	26.28	34.609		
3,000.00	2,951.71	2,845.38	2,793.68	14.70	13.78	-139.19	505.89	365.35	941.19	914.02	27.17	34.642		
3,100.00	3,049.71	2,940.22	2,886.33	15.20	14.23	-139.18	520.35	379.57	972.89	944.83	28.06	34.670		
3,200.00	3,147.72	3,035.07	2,978.98	15.69	14.69	-139.16	534.81	393.79	1,004.59	975.64	28.96	34.694		
3,300.00	3,245.72	3,129.91	3,071.63	16.19	15.16	-139.15	549.28	408.02	1,036.29	1,006.44	29.85	34.714		
3,400.00	3,343.72	3,224.75	3,164.28	16.69	15.62	-139.14	563.74	422.24	1,067.99	1,037.24	30.75	34.732		
3,500.00	3,441.73	3,319.59	3,256.92	17.18	16.08	-139.12	578.20	436.46	1,099.69	1,068.04	31.65	34.747		
3,600.00	3,539.73	3,414.44	3,349.57	17.68	16.54	-139.11	592.67	450.69	1,131.39	1,098.84	32.55	34.759		
3,700.00	3,637.73	3,509.28	3,442.22	18.18	17.00	-139.10	607.13	464.91	1,163.08	1,129.63	33.45	34.770		
3,800.00	3,735.73	3,604.12	3,534.87	18.68	17.47	-139.09	621.59	479.13	1,194.78	1,160.43	34.35	34.779		
3,900.00	3,833.74	3,701.03	3,627.52	19.18	17.94	-139.08	636.06	493.36	1,226.48	1,191.21	35.27	34.776		
4,000.00	3,931.74	3,793.81	3,720.16	19.67	18.40	-139.07	650.52	507.58	1,258.18	1,222.02	36.16	34.792		
4,100.00	4,029.74	3,888.65	3,812.81	20.17	18.86	-139.07	664.98	521.80	1,289.88	1,252.81	37.07	34.796		
4,200.00	4,127.75	3,983.49	3,905.46	20.67	19.33	-139.06	679.45	536.03	1,321.58	1,283.60	37.98	34.800		
4,300.00	4,225.75	4,078.34	3,998.11	21.18	19.79	-139.05	693.91	550.25	1,353.28	1,314.39	38.88	34.803		
4,400.00	4,323.75	4,173.18	4,090.76	21.68	20.26	-139.04	708.38	564.47	1,384.98	1,345.18	39.79	34.805		
4,500.00	4,421.76	4,268.02	4,183.40	22.18	20.73	-139.03	722.84	578.70	1,416.67	1,375.97	40.70	34.806		
4,600.00	4,519.76	4,362.87	4,276.05	22.68	21.19	-139.03	737.30	592.92	1,448.37	1,406.76	41.61	34.807		
4,700.00	4,617.76	4,457.71	4,368.70	23.18	21.66	-139.02	751.77	607.14	1,480.07	1,437.55	42.52	34.807		
4,800.00	4,715.76	4,552.55	4,461.35	23.68	22.13	-139.01	766.23	621.37	1,511.77	1,468.34	43.43	34.807		
4,900.00	4,813.77	4,647.39	4,554.00	24.18	22.59	-139.01	780.69	635.59	1,543.47	1,499.13	44.35	34.806		
5,000.00	4,911.77	4,742.24	4,646.64	24.69	23.06	-139.00	795.16	649.81	1,575.17	1,529.91	45.26	34.805		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	4,837.08	4,739.29	25.19	23.53	-139.00	809.62	664.03	1,606.87	1,560.70	46.17	34.803		
5,200.00	5,107.78	4,931.92	4,831.94	25.69	24.00	-138.99	824.08	678.26	1,638.57	1,591.48	47.08	34.801		
5,300.00	5,205.78	5,026.76	4,924.59	26.19	24.47	-138.99	838.55	692.48	1,670.27	1,622.27	48.00	34.799		
5,400.00	5,303.78	5,121.61	5,017.24	26.70	24.93	-138.98	853.01	706.70	1,701.97	1,653.05	48.91	34.797		
5,500.00	5,401.78	5,216.45	5,109.88	27.20	25.40	-138.98	867.47	720.93	1,733.66	1,683.84	49.83	34.794		
5,600.00	5,499.79	5,311.29	5,202.53	27.70	25.87	-138.97	881.94	735.15	1,765.36	1,714.62	50.74	34.792		
5,700.00	5,597.79	5,406.14	5,295.18	28.21	26.34	-138.97	896.40	749.37	1,797.06	1,745.41	51.66	34.789		
5,800.00	5,695.79	5,500.98	5,387.83	28.71	26.81	-138.96	910.86	763.60	1,828.76	1,776.19	52.57	34.786		
5,900.00	5,793.80	5,595.82	5,480.48	29.22	27.28	-138.96	925.33	777.82	1,860.46	1,806.97	53.49	34.783		
6,000.00	5,891.80	5,691.34	5,573.13	29.72	27.84	-138.96	939.79	792.04	1,892.16	1,837.67	54.50	34.722		
6,100.00	5,989.80	5,785.51	5,665.77	30.22	28.22	-138.95	954.26	806.27	1,923.86	1,868.54	55.32	34.776		
6,200.00	6,087.80	5,880.35	5,758.42	30.73	28.69	-138.95	968.72	820.49	1,955.56	1,899.32	56.24	34.773		
6,300.00	6,185.81	5,975.19	5,851.07	31.23	29.16	-138.94	983.18	834.71	1,987.26	1,930.10	57.16	34.769		
6,400.00	6,283.81	6,070.04	5,943.72	31.74	29.63	-138.94	997.65	848.94	2,018.96	1,960.88	58.07	34.765		
6,500.00	6,381.81	6,164.88	6,036.37	32.24	30.10	-138.94	1,012.11	863.16	2,050.66	1,991.66	58.99	34.762		
6,520.79	6,402.19	6,184.60	6,055.63	32.35	30.20	-138.94	1,015.12	866.12	2,057.25	1,998.06	59.18	34.761		
6,550.00	6,430.87	6,212.25	6,082.64	32.49	30.33	-152.18	1,019.33	870.26	2,066.61	2,007.16	59.45	34.763		
6,600.00	6,480.12	6,259.25	6,128.56	32.72	30.57	-178.94	1,026.50	877.31	2,083.09	2,023.20	59.89	34.782		
6,650.00	6,529.30	6,305.58	6,173.81	32.93	30.80	156.58	1,033.57	884.26	2,100.08	2,039.77	60.31	34.820		
6,700.00	6,578.09	6,350.94	6,218.12	33.12	31.02	139.30	1,040.48	891.06	2,117.52	2,056.80	60.72	34.874		
6,750.00	6,626.21	6,404.94	6,261.22	33.30	31.29	127.89	1,047.21	897.68	2,135.35	2,074.19	61.16	34.913		
6,800.00	6,673.34	6,437.66	6,302.84	33.46	31.45	120.05	1,053.71	904.07	2,153.54	2,092.05	61.50	35.020		
6,850.00	6,719.21	6,478.49	6,342.72	33.61	31.65	114.33	1,059.93	910.19	2,172.08	2,110.21	61.87	35.109		
6,900.00	6,763.53	6,517.28	6,380.62	33.75	31.85	109.91	1,065.85	916.01	2,190.94	2,128.71	62.23	35.208		
6,950.00	6,806.03	6,598.09	6,459.94	33.89	32.23	107.04	1,078.11	924.97	2,209.92	2,146.94	62.98	35.089		
7,000.00	6,846.44	6,741.39	6,601.13	34.02	32.80	105.50	1,088.98	916.15	2,227.73	2,163.61	64.12	34.743		
7,050.00	6,884.52	7,050.00	6,738.09	34.15	33.90	104.01	1,117.96	874.82	2,243.40	2,177.65	65.74	34.124		
7,100.00	6,920.03	7,136.58	6,942.41	34.27	34.30	102.68	1,143.28	735.08	2,255.98	2,189.50	66.48	33.936		
7,150.00	6,952.75	7,356.58	7,066.18	34.40	35.60	100.23	1,154.95	554.89	2,264.81	2,196.75	68.06	33.276		
7,200.00	6,982.48	7,550.93	7,119.67	34.54	37.35	97.25	1,155.83	368.84	2,270.15	2,200.00	70.16	32.359		
7,250.00	7,009.04	7,659.27	7,124.83	34.70	38.56	95.04	1,152.45	260.79	2,273.06	2,201.32	71.74	31.686		
7,300.00	7,032.26	7,703.19	7,124.45	34.87	39.10	93.84	1,150.70	216.90	2,275.49	2,202.84	72.65	31.323		
7,350.00	7,052.00	7,748.85	7,124.05	35.08	39.71	92.83	1,148.89	171.28	2,277.66	2,203.99	73.66	30.920		
7,400.00	7,068.14	7,804.04	7,123.63	35.34	40.46	92.00	1,147.02	124.21	2,279.45	2,204.60	74.85	30.453		
7,450.00	7,080.57	7,844.24	7,123.21	35.65	41.06	91.36	1,145.10	75.97	2,280.78	2,204.86	75.92	30.041		
7,500.00	7,089.23	7,893.38	7,122.78	36.01	41.80	90.93	1,143.15	26.87	2,281.57	2,204.41	77.17	29.566		
7,550.00	7,094.06	7,943.09	7,122.34	36.44	42.61	90.70	1,141.17	-22.80	2,281.78	2,203.27	78.52	29.062		
7,601.12	7,095.00	8,005.83	7,121.89	36.93	43.64	90.69	1,139.14	-73.84	2,281.36	2,201.22	80.14	28.467		
7,700.00	7,092.92	8,106.96	7,121.03	38.05	45.43	90.72	1,135.21	-172.62	2,279.91	2,196.72	83.19	27.406		
7,800.00	7,090.81	8,206.98	7,120.15	39.40	47.30	90.76	1,131.24	-272.52	2,278.45	2,191.95	86.50	26.339		
7,900.00	7,088.70	8,307.00	7,119.27	40.93	49.27	90.79	1,127.27	-372.42	2,276.99	2,186.93	90.06	25.284		
8,000.00	7,086.59	8,392.98	7,118.40	42.61	51.03	90.82	1,123.30	-472.32	2,275.53	2,182.00	93.53	24.329		
8,100.00	7,084.49	8,507.04	7,117.52	44.41	53.45	90.85	1,119.32	-572.22	2,274.07	2,176.29	97.78	23.257		
8,200.00	7,082.38	8,607.05	7,116.64	46.33	55.64	90.88	1,115.35	-672.12	2,272.61	2,170.71	101.90	22.302		
8,300.00	7,080.27	8,707.07	7,115.76	48.34	57.89	90.91	1,111.38	-772.02	2,271.15	2,164.98	106.17	21.392		
8,400.00	7,078.16	8,807.09	7,114.89	50.43	60.18	90.95	1,107.41	-871.91	2,269.69	2,159.12	110.57	20.528		
8,500.00	7,076.05	8,907.11	7,114.01	52.59	62.53	90.98	1,103.43	-971.81	2,268.23	2,153.15	115.08	19.710		
8,600.00	7,073.94	9,007.13	7,113.13	54.82	64.91	91.01	1,099.46	-1,071.71	2,266.77	2,147.08	119.69	18.938		
8,700.00	7,071.84	9,107.15	7,112.25	57.10	67.33	91.04	1,095.49	-1,171.61	2,265.32	2,140.92	124.40	18.210		
8,800.00	7,069.73	9,192.83	7,111.38	59.44	69.42	91.07	1,091.52	-1,271.51	2,263.86	2,135.03	128.83	17.573		
8,900.00	7,067.62	9,307.18	7,110.50	61.81	72.26	91.10	1,087.54	-1,371.41	2,262.41	2,128.37	134.04	16.879		
9,000.00	7,065.51	9,407.20	7,109.62	64.23	74.76	91.14	1,083.57	-1,471.31	2,260.95	2,122.00	138.96	16.271		

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

Offset Design Boomerang 21-5 - Boomerang 32C-6-M - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	9,492.78	7,108.75	66.68	76.92	91.17	1,079.60	-1,571.21	2,259.50	2,115.93	143.57	15.738		
9,200.00	7,061.29	9,607.24	7,107.87	69.15	79.84	91.20	1,075.63	-1,671.10	2,258.05	2,109.09	148.96	15.159		
9,300.00	7,059.18	9,707.26	7,106.99	71.66	82.41	91.23	1,071.65	-1,771.00	2,256.60	2,102.56	154.03	14.650		
9,400.00	7,057.08	9,807.28	7,106.11	74.19	84.99	91.26	1,067.68	-1,870.90	2,255.14	2,096.00	159.15	14.170		
9,500.00	7,054.97	9,907.30	7,105.24	76.75	87.59	91.30	1,063.71	-1,970.80	2,253.69	2,089.39	164.30	13.717		
9,600.00	7,052.86	10,007.31	7,104.36	79.32	90.21	91.33	1,059.74	-2,070.70	2,252.24	2,082.76	169.49	13.289		
9,700.00	7,050.75	10,092.67	7,103.48	81.91	92.45	91.36	1,055.76	-2,170.60	2,250.80	2,076.48	174.32	12.912		
9,800.00	7,048.64	10,207.35	7,102.61	84.52	95.48	91.39	1,051.79	-2,270.50	2,249.35	2,069.40	179.95	12.500		
9,900.00	7,046.53	10,292.63	7,101.73	87.14	97.74	91.42	1,047.82	-2,370.40	2,247.90	2,063.07	184.83	12.162		
10,000.00	7,044.43	10,407.39	7,100.85	89.78	100.79	91.46	1,043.85	-2,470.29	2,246.45	2,055.94	190.52	11.791		
10,100.00	7,042.32	10,507.41	7,099.97	92.43	103.47	91.49	1,039.87	-2,570.19	2,245.01	2,049.17	195.83	11.464		
10,200.00	7,040.21	10,607.42	7,099.10	95.09	106.15	91.52	1,035.90	-2,670.09	2,243.56	2,042.39	201.17	11.153		
10,300.00	7,038.10	10,707.44	7,098.22	97.76	108.84	91.55	1,031.93	-2,769.99	2,242.12	2,035.59	206.52	10.856		
10,400.00	7,035.99	10,792.54	7,097.34	100.44	111.13	91.59	1,027.96	-2,869.89	2,240.67	2,029.18	211.49	10.595		
10,500.00	7,033.88	10,907.48	7,096.46	103.13	114.24	91.62	1,023.98	-2,969.79	2,239.23	2,021.94	217.28	10.306		
10,600.00	7,031.78	11,007.50	7,095.59	105.82	116.95	91.65	1,020.01	-3,069.69	2,237.78	2,015.10	222.69	10.049		
10,700.00	7,029.67	11,107.52	7,094.71	108.53	119.66	91.68	1,016.04	-3,169.58	2,236.34	2,008.24	228.10	9.804		
10,800.00	7,027.56	11,207.54	7,093.83	111.24	122.39	91.72	1,012.07	-3,269.48	2,234.90	2,001.37	233.53	9.570		
10,900.00	7,025.45	11,307.55	7,092.96	113.96	125.11	91.75	1,008.09	-3,369.38	2,233.46	1,994.49	238.97	9.346		
11,000.00	7,023.34	11,407.57	7,092.08	116.68	127.85	91.78	1,004.12	-3,469.28	2,232.02	1,987.60	244.42	9.132		
11,100.00	7,021.23	11,507.59	7,091.20	119.41	130.58	91.82	1,000.15	-3,569.18	2,230.58	1,980.70	249.88	8.927		
11,200.00	7,019.13	11,607.61	7,090.32	122.15	133.33	91.85	996.18	-3,669.08	2,229.14	1,973.79	255.35	8.730		
11,300.00	7,017.02	11,707.63	7,089.45	124.89	136.07	91.88	992.20	-3,768.98	2,227.71	1,966.88	260.83	8.541		
11,400.00	7,014.91	11,807.65	7,088.57	127.63	138.82	91.91	988.23	-3,868.88	2,226.27	1,959.96	266.31	8.360		
11,500.00	7,012.80	11,907.67	7,087.69	130.38	141.57	91.95	984.26	-3,968.77	2,224.83	1,953.02	271.81	8.185		
11,600.00	7,010.69	12,007.69	7,086.82	133.14	144.31	91.98	980.29	-4,068.67	2,223.40	1,946.51	276.89	8.030		
11,700.00	7,008.58	12,107.70	7,085.94	135.89	147.09	92.01	976.31	-4,168.57	2,221.96	1,939.15	282.82	7.857		
11,800.00	7,006.47	12,192.28	7,085.06	138.65	149.42	92.05	972.34	-4,268.47	2,220.53	1,932.62	287.91	7.713		
11,900.00	7,004.37	12,292.26	7,084.18	141.42	152.19	92.08	968.37	-4,368.37	2,219.10	1,925.67	293.42	7.563		
12,000.00	7,002.26	12,407.76	7,083.31	144.19	155.39	92.11	964.40	-4,468.27	2,217.66	1,918.28	299.38	7.408		
12,100.00	7,000.15	12,507.78	7,082.43	146.96	158.16	92.15	960.42	-4,568.17	2,216.23	1,911.32	304.91	7.268		
12,200.00	6,998.04	12,607.79	7,081.55	149.73	160.93	92.18	956.45	-4,668.07	2,214.80	1,904.35	310.45	7.134		
12,300.00	6,995.93	12,692.19	7,080.67	152.51	163.27	92.21	952.48	-4,767.96	2,213.37	1,897.82	315.55	7.014		
12,400.00	6,993.82	12,792.17	7,079.80	155.28	166.05	92.25	948.51	-4,867.86	2,211.94	1,890.84	321.10	6.889		
12,500.00	6,991.72	12,892.15	7,078.92	158.06	168.83	92.28	944.53	-4,967.76	2,210.51	1,883.87	326.65	6.767		
12,600.00	6,989.61	13,007.87	7,078.04	160.85	172.05	92.31	940.56	-5,067.66	2,209.08	1,876.45	332.63	6.641		
12,700.00	6,987.50	13,107.89	7,077.17	163.63	174.83	92.35	936.59	-5,167.56	2,207.66	1,869.47	338.19	6.528		
12,800.00	6,985.39	13,207.91	7,076.29	166.42	177.61	92.38	932.62	-5,267.46	2,206.23	1,862.48	343.75	6.418		
12,900.00	6,983.28	13,307.92	7,075.41	169.21	180.40	92.41	928.64	-5,367.36	2,204.80	1,855.49	349.32	6.312		
13,000.00	6,981.17	13,392.06	7,074.53	172.00	182.75	92.45	924.67	-5,467.25	2,203.38	1,848.94	354.44	6.217		
13,100.00	6,979.07	13,507.96	7,073.66	174.79	185.98	92.48	920.70	-5,567.15	2,201.96	1,841.50	360.45	6.109		
13,200.00	6,976.96	13,607.98	7,072.78	177.59	188.77	92.51	916.73	-5,667.05	2,200.53	1,834.51	366.03	6.012		
13,300.00	6,974.85	13,708.00	7,071.90	180.38	191.57	92.55	912.75	-5,766.95	2,199.11	1,827.51	371.60	5.918		
13,400.00	6,972.74	13,791.98	7,071.03	183.18	193.91	92.58	908.78	-5,866.85	2,197.69	1,820.96	376.73	5.834		
13,500.00	6,970.63	13,908.04	7,070.15	185.98	197.16	92.62	904.81	-5,966.75	2,196.27	1,813.51	382.76	5.738		
13,600.00	6,968.52	14,008.05	7,069.27	188.78	199.96	92.65	900.84	-6,066.65	2,194.85	1,806.50	388.34	5.652		
13,700.00	6,966.41	14,108.07	7,068.39	191.58	202.76	92.68	896.86	-6,166.55	2,193.43	1,799.50	393.93	5.568		
13,800.00	6,964.31	14,191.91	7,067.52	194.39	205.10	92.72	892.89	-6,266.44	2,192.01	1,792.95	399.06	5.493		
13,900.00	6,962.20	14,308.11	7,066.64	197.19	208.36	92.75	888.92	-6,366.34	2,190.59	1,785.49	405.10	5.408		
14,000.00	6,960.09	14,408.13	7,065.76	200.00	211.16	92.78	884.95	-6,466.24	2,189.17	1,778.48	410.69	5.330		
14,100.00	6,957.98	14,508.15	7,064.88	202.80	213.96	92.82	880.97	-6,566.14	2,187.76	1,771.47	416.28	5.255		
14,200.00	6,955.87	14,608.16	7,064.01	205.61	216.77	92.85	877.00	-6,666.04	2,186.34	1,764.46	421.88	5.182		

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

Offset Design													Boomerang 21-5 - Boomerang 32C-6-M - OH - Plan #1		Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
14,300.00	6,953.76	14,708.18	7,063.13	208.42	219.57	92.89	873.03	-6,765.94	2,184.93	1,757.45	427.47	5.111				
14,400.00	6,951.66	14,808.20	7,062.25	211.23	222.38	92.92	869.06	-6,865.84	2,183.51	1,750.44	433.07	5.042				
14,500.00	6,949.55	14,908.22	7,061.38	214.04	225.18	92.96	865.08	-6,965.74	2,182.10	1,743.43	438.67	4.974				
14,600.00	6,947.44	15,008.24	7,060.50	216.85	227.99	92.99	861.11	-7,065.63	2,180.68	1,736.42	444.27	4.909				
14,700.00	6,945.33	15,108.26	7,059.62	219.66	230.80	93.02	857.14	-7,165.53	2,179.27	1,729.41	449.87	4.844				
14,800.00	6,943.22	15,208.28	7,058.74	222.48	233.61	93.06	853.17	-7,265.43	2,177.86	1,722.39	455.47	4.782				
14,900.00	6,941.11	15,308.29	7,057.87	225.29	236.42	93.09	849.19	-7,365.33	2,176.45	1,715.38	461.07	4.720				
15,000.00	6,939.01	15,408.31	7,056.99	228.11	239.23	93.13	845.22	-7,465.23	2,175.04	1,708.37	466.67	4.661				
15,100.00	6,936.90	15,508.33	7,056.11	230.92	242.04	93.16	841.25	-7,565.13	2,173.63	1,701.35	472.28	4.602				
15,200.00	6,934.79	15,608.35	7,055.23	233.74	244.85	93.20	837.28	-7,665.03	2,172.23	1,694.34	477.88	4.546				
15,300.00	6,932.68	15,708.37	7,054.36	236.56	247.67	93.23	833.30	-7,764.92	2,170.82	1,687.33	483.49	4.490				
15,400.00	6,930.57	15,791.61	7,053.48	239.37	250.01	93.27	829.33	-7,864.82	2,169.41	1,680.79	488.63	4.440				
15,485.23	6,928.78	15,846.35	7,053.00	241.78	251.55	93.28	827.16	-7,919.51	2,168.43	1,675.89	492.54	4.403				
15,500.00	6,928.46	15,846.35	7,053.00	242.19	251.55	93.28	827.16	-7,919.51	2,168.48	1,675.56	492.91	4.399				
15,521.99	6,928.00	15,846.35	7,053.00	242.81	251.55	93.28	827.16	-7,919.51	2,168.74	1,675.31	493.43	4.395 SF				

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.61	164.30	16.15	165.09					
100.00	100.00	100.00	100.00	3.28	3.28	5.61	164.30	16.15	165.09	158.53	6.57	25.131		
200.00	200.00	200.00	200.00	3.34	3.34	5.61	164.30	16.15	165.09	158.42	6.67	24.737 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-141.38	164.30	16.15	166.46	159.57	6.89	24.176		
400.00	399.84	394.73	394.71	3.59	3.59	-142.12	165.66	16.93	172.06	164.87	7.20	23.913		
500.00	499.45	488.80	488.67	3.79	3.78	-142.94	169.68	19.27	183.41	175.81	7.60	24.123		
600.00	598.70	582.03	581.58	4.04	4.01	-143.72	176.27	23.15	200.44	192.36	8.09	24.785		
700.00	697.47	674.40	673.34	4.32	4.26	-144.29	185.04	28.93	222.75	214.12	8.63	25.815		
773.50	769.68	741.21	739.49	4.55	4.46	-144.55	192.70	34.40	242.39	233.33	9.06	26.758		
800.00	795.65	765.08	763.06	4.64	4.53	-144.70	195.71	36.61	250.03	240.81	9.22	27.122		
900.00	893.65	854.38	850.97	5.00	4.82	-144.91	208.20	46.10	280.26	270.43	9.83	28.513		
1,000.00	991.65	942.37	937.06	5.38	5.12	-144.71	222.43	57.32	312.63	302.17	10.46	29.883		
1,100.00	1,089.66	1,028.90	1,021.16	5.78	5.44	-144.24	238.27	70.14	347.11	335.99	11.12	31.223		
1,200.00	1,187.66	1,121.22	1,110.47	6.20	5.80	-143.63	256.36	84.98	382.90	371.08	11.82	32.400		
1,300.00	1,285.66	1,214.52	1,200.71	6.63	6.19	-143.12	274.67	100.00	418.74	406.19	12.55	33.363		
1,400.00	1,383.67	1,307.82	1,290.96	7.07	6.59	-142.69	292.97	115.02	454.60	441.29	13.31	34.162		
1,500.00	1,481.67	1,401.12	1,381.20	7.51	7.00	-142.32	311.27	130.04	490.48	476.40	14.08	34.827		
1,600.00	1,579.67	1,505.59	1,471.44	7.97	7.47	-142.01	329.57	145.05	526.38	511.46	14.93	35.268		
1,700.00	1,677.67	1,587.71	1,561.69	8.43	7.85	-141.73	347.88	160.07	562.29	546.61	15.68	35.852		
1,800.00	1,775.68	1,681.01	1,651.93	8.90	8.28	-141.49	366.18	175.09	598.21	581.71	16.50	36.248		
1,900.00	1,873.68	1,774.31	1,742.18	9.37	8.72	-141.27	384.48	190.11	634.14	616.81	17.33	36.586		
2,000.00	1,971.68	1,867.61	1,832.42	9.84	9.17	-141.08	402.78	205.12	670.07	651.90	18.17	36.874		
2,100.00	2,069.69	1,960.90	1,922.66	10.32	9.62	-140.90	421.09	220.14	706.01	687.00	19.02	37.123		
2,200.00	2,167.69	2,054.20	2,012.91	10.80	10.07	-140.75	439.39	235.16	741.96	722.09	19.87	37.337		
2,300.00	2,265.69	2,147.50	2,103.15	11.28	10.53	-140.61	457.69	250.18	777.91	757.18	20.73	37.523		
2,400.00	2,363.69	2,240.80	2,193.40	11.77	10.99	-140.48	475.99	265.20	813.86	792.27	21.60	37.686		
2,500.00	2,461.70	2,334.09	2,283.64	12.25	11.45	-140.36	494.30	280.21	849.82	827.36	22.47	37.828		
2,600.00	2,559.70	2,427.39	2,373.88	12.74	11.91	-140.25	512.60	295.23	885.78	862.44	23.34	37.953		
2,700.00	2,657.70	2,520.69	2,464.13	13.23	12.37	-140.15	530.90	310.25	921.75	897.53	24.22	38.063		
2,800.00	2,755.71	2,613.99	2,554.37	13.72	12.84	-140.06	549.20	325.27	957.71	932.61	25.10	38.160		
2,900.00	2,853.71	2,707.29	2,644.62	14.21	13.31	-139.97	567.51	340.28	993.68	967.70	25.98	38.247		
3,000.00	2,951.71	2,800.58	2,734.86	14.70	13.78	-139.89	585.81	355.30	1,029.65	1,002.78	26.87	38.324		
3,100.00	3,049.71	2,906.12	2,825.10	15.20	14.31	-139.82	604.11	370.32	1,065.62	1,037.80	27.82	38.311		
3,200.00	3,147.72	2,987.18	2,915.35	15.69	14.72	-139.75	622.41	385.34	1,101.59	1,072.94	28.65	38.455		
3,300.00	3,245.72	3,080.48	3,005.59	16.19	15.20	-139.68	640.72	400.35	1,137.56	1,108.02	29.54	38.510		
3,400.00	3,343.72	3,173.78	3,095.84	16.69	15.67	-139.62	659.02	415.37	1,173.54	1,143.10	30.43	38.560		
3,500.00	3,441.73	3,267.07	3,186.08	17.18	16.14	-139.56	677.32	430.39	1,209.51	1,178.18	31.33	38.605		
3,600.00	3,539.73	3,360.37	3,276.32	17.68	16.62	-139.51	695.62	445.41	1,245.49	1,213.26	32.23	38.645		
3,700.00	3,637.73	3,453.67	3,366.57	18.18	17.10	-139.46	713.92	460.43	1,281.47	1,248.34	33.13	38.682		
3,800.00	3,735.73	3,546.97	3,456.81	18.68	17.57	-139.41	732.23	475.44	1,317.45	1,283.42	34.03	38.715		
3,900.00	3,833.74	3,640.26	3,547.06	19.18	18.05	-139.36	750.53	490.46	1,353.43	1,318.50	34.93	38.745		
4,000.00	3,931.74	3,733.56	3,637.30	19.67	18.53	-139.32	768.83	505.48	1,389.41	1,353.57	35.83	38.773		
4,100.00	4,029.74	3,826.86	3,727.54	20.17	19.01	-139.28	787.13	520.50	1,425.39	1,388.65	36.74	38.798		
4,200.00	4,127.75	3,920.16	3,817.79	20.67	19.48	-139.24	805.44	535.51	1,461.37	1,423.73	37.64	38.821		
4,300.00	4,225.75	4,013.46	3,908.03	21.18	19.96	-139.20	823.74	550.53	1,497.35	1,458.80	38.55	38.842		
4,400.00	4,323.75	4,106.75	3,998.28	21.68	20.44	-139.16	842.04	565.55	1,533.33	1,493.88	39.46	38.861		
4,500.00	4,421.76	4,200.05	4,088.52	22.18	20.92	-139.13	860.34	580.57	1,569.32	1,528.95	40.36	38.878		
4,600.00	4,519.76	4,306.65	4,178.76	22.68	21.47	-139.10	878.65	595.58	1,605.30	1,563.96	41.34	38.832		
4,700.00	4,617.76	4,386.65	4,269.01	23.18	21.88	-139.07	896.95	610.60	1,641.28	1,599.10	42.18	38.909		
4,800.00	4,715.76	4,479.94	4,359.25	23.68	22.37	-139.04	915.25	625.62	1,677.27	1,634.18	43.09	38.923		
4,900.00	4,813.77	4,573.24	4,449.50	24.18	22.85	-139.01	933.55	640.64	1,713.25	1,669.25	44.00	38.935		
5,000.00	4,911.77	4,666.54	4,539.74	24.69	23.33	-138.98	951.86	655.66	1,749.24	1,704.32	44.91	38.946		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	4,759.84	4,629.98	25.19	23.81	-138.96	970.16	670.67	1,785.22	1,739.40	45.83	38.956		
5,200.00	5,107.78	4,853.14	4,720.23	25.69	24.29	-138.93	988.46	685.69	1,821.21	1,774.47	46.74	38.966		
5,300.00	5,205.78	4,946.43	4,810.47	26.19	24.77	-138.91	1,006.76	700.71	1,857.20	1,809.54	47.65	38.975		
5,400.00	5,303.78	5,039.73	4,900.72	26.70	25.26	-138.88	1,025.07	715.73	1,893.18	1,844.62	48.56	38.983		
5,500.00	5,401.78	5,133.03	4,990.96	27.20	25.74	-138.86	1,043.37	730.74	1,929.17	1,879.69	49.48	38.990		
5,600.00	5,499.79	5,226.33	5,081.20	27.70	26.22	-138.84	1,061.67	745.76	1,965.16	1,914.76	50.39	38.997		
5,700.00	5,597.79	5,319.63	5,171.45	28.21	26.71	-138.82	1,079.97	760.78	2,001.14	1,949.84	51.31	39.003		
5,800.00	5,695.79	5,412.92	5,261.69	28.71	27.19	-138.80	1,098.27	775.80	2,037.13	1,984.91	52.22	39.009		
5,900.00	5,793.80	5,506.22	5,351.94	29.22	27.67	-138.78	1,116.58	790.81	2,073.12	2,019.98	53.14	39.014		
6,000.00	5,891.80	5,600.48	5,442.18	29.72	28.16	-138.76	1,134.88	805.83	2,109.10	2,055.05	54.06	39.015		
6,100.00	5,989.80	5,707.18	5,532.42	30.22	28.71	-138.74	1,153.18	820.85	2,145.09	2,090.05	55.04	38.972		
6,200.00	6,087.80	5,786.11	5,622.67	30.73	29.12	-138.72	1,171.48	835.87	2,181.08	2,125.19	55.89	39.026		
6,300.00	6,185.81	5,879.41	5,712.91	31.23	29.61	-138.71	1,189.79	850.89	2,217.07	2,160.26	56.80	39.030		
6,400.00	6,283.81	5,972.71	5,803.16	31.74	30.09	-138.69	1,208.09	865.90	2,253.06	2,195.34	57.72	39.033		
6,500.00	6,381.81	6,066.01	5,893.40	32.24	30.58	-138.67	1,226.39	880.92	2,289.05	2,230.41	58.64	39.036		
6,520.79	6,402.19	6,085.41	5,912.16	32.35	30.68	-138.67	1,230.20	884.04	2,296.53	2,237.70	58.83	39.036		
6,550.00	6,430.87	6,112.60	5,938.47	32.49	30.82	-152.04	1,235.53	888.42	2,307.15	2,248.05	59.10	39.041		
6,600.00	6,480.12	6,158.77	5,983.13	32.72	31.06	-179.04	1,244.59	895.85	2,325.77	2,266.24	59.54	39.065		
6,650.00	6,529.30	6,204.22	6,027.09	32.93	31.29	156.22	1,253.51	903.17	2,344.89	2,284.93	59.96	39.110		
6,700.00	6,578.09	6,248.67	6,070.08	33.12	31.52	138.69	1,262.22	910.32	2,364.42	2,304.06	60.36	39.172		
6,750.00	6,626.21	6,308.17	6,111.83	33.30	31.83	127.01	1,270.69	917.27	2,384.29	2,323.46	60.83	39.197		
6,800.00	6,673.34	6,333.45	6,152.09	33.46	31.96	118.90	1,278.86	923.97	2,404.46	2,343.34	61.12	39.338		
6,850.00	6,719.21	6,373.27	6,190.61	33.61	32.17	112.92	1,286.67	930.38	2,424.88	2,363.39	61.49	39.437		
6,900.00	6,763.53	6,444.88	6,260.12	33.75	32.53	108.71	1,300.69	940.18	2,445.41	2,383.25	62.16	39.341		
6,950.00	6,806.03	6,601.20	6,413.10	33.89	33.18	106.27	1,330.34	934.73	2,464.77	2,401.30	63.46	38.838		
7,000.00	6,846.44	6,797.51	6,596.25	34.02	33.84	104.17	1,363.47	874.78	2,481.81	2,417.02	64.80	38.302		
7,050.00	6,884.52	7,050.00	6,746.71	34.15	34.78	101.70	1,388.08	767.12	2,495.63	2,429.32	66.30	37.639		
7,100.00	6,920.03	7,240.35	6,891.33	34.27	35.89	98.45	1,407.12	559.59	2,505.92	2,437.99	67.93	36.891		
7,150.00	6,952.75	7,424.86	6,939.93	34.40	37.50	95.05	1,408.74	382.26	2,513.07	2,443.06	70.01	35.898		
7,200.00	6,982.48	7,529.37	6,944.84	34.54	38.65	92.54	1,405.07	278.04	2,518.06	2,446.55	71.50	35.216		
7,250.00	7,009.04	7,571.30	6,944.46	34.70	39.16	91.07	1,403.13	236.16	2,522.44	2,450.11	72.33	34.875		
7,300.00	7,032.26	7,615.23	6,944.05	34.87	39.72	89.79	1,401.10	192.27	2,526.39	2,453.16	73.23	34.499		
7,350.00	7,052.00	7,660.90	6,943.64	35.08	40.35	88.72	1,398.99	146.65	2,529.77	2,455.53	74.24	34.077		
7,400.00	7,068.14	7,708.02	6,943.21	35.34	41.02	87.85	1,396.82	99.59	2,532.48	2,457.17	75.31	33.626		
7,450.00	7,080.57	7,756.31	6,942.77	35.65	41.76	87.20	1,394.59	51.36	2,534.45	2,457.94	76.51	33.127		
7,500.00	7,089.23	7,805.45	6,942.32	36.01	42.53	86.76	1,392.32	2.26	2,535.59	2,457.82	77.77	32.605		
7,550.00	7,094.06	7,855.16	6,941.87	36.44	43.36	86.54	1,390.02	-47.39	2,535.85	2,456.72	79.13	32.046		
7,601.12	7,095.00	7,906.24	6,941.40	36.93	44.22	86.55	1,387.67	-98.41	2,535.21	2,454.63	80.58	31.462		
7,700.00	7,092.92	8,005.09	6,940.50	38.05	46.00	86.58	1,383.10	-197.15	2,533.04	2,449.42	83.62	30.292		
7,800.00	7,090.81	8,105.06	6,939.59	39.40	47.90	86.60	1,378.49	-297.01	2,530.85	2,443.89	86.96	29.104		
7,900.00	7,088.70	8,205.03	6,938.68	40.93	49.90	86.62	1,373.87	-396.87	2,528.66	2,438.12	90.54	27.930		
8,000.00	7,086.59	8,305.00	6,937.77	42.61	51.97	86.65	1,369.25	-496.73	2,526.47	2,432.15	94.32	26.785		
8,100.00	7,084.49	8,404.97	6,936.85	44.41	54.11	86.67	1,364.64	-596.59	2,524.28	2,425.98	98.30	25.680		
8,200.00	7,082.38	8,504.94	6,935.94	46.33	56.32	86.70	1,360.02	-696.45	2,522.09	2,419.66	102.43	24.622		
8,300.00	7,080.27	8,604.91	6,935.03	48.34	58.58	86.72	1,355.41	-796.31	2,519.90	2,413.19	106.71	23.613		
8,400.00	7,078.16	8,704.88	6,934.12	50.43	60.89	86.75	1,350.79	-896.17	2,517.72	2,406.59	111.13	22.656		
8,500.00	7,076.05	8,804.86	6,933.21	52.59	63.25	86.77	1,346.18	-996.03	2,515.53	2,399.88	115.65	21.751		
8,600.00	7,073.94	8,904.83	6,932.30	54.82	65.64	86.79	1,341.56	-1,095.89	2,513.34	2,393.07	120.27	20.897		
8,700.00	7,071.84	9,004.80	6,931.39	57.10	68.07	86.82	1,336.94	-1,195.75	2,511.16	2,386.17	124.99	20.091		
8,800.00	7,069.73	9,104.77	6,930.47	59.44	70.52	86.84	1,332.33	-1,295.61	2,508.97	2,379.19	129.78	19.333		
8,900.00	7,067.62	9,204.74	6,929.56	61.81	73.01	86.87	1,327.71	-1,395.47	2,506.79	2,372.15	134.64	18.619		
9,000.00	7,065.51	9,304.71	6,928.65	64.23	75.52	86.89	1,323.10	-1,495.33	2,504.60	2,365.04	139.56	17.946		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	9,404.68	6,927.74	66.68	78.05	86.92	1,318.48	-1,595.19	2,502.42	2,357.87	144.54	17.312		
9,200.00	7,061.29	9,504.65	6,926.83	69.15	80.60	86.94	1,313.86	-1,695.05	2,500.23	2,350.66	149.57	16.716		
9,300.00	7,059.18	9,604.62	6,925.92	71.66	83.17	86.97	1,309.25	-1,794.91	2,498.05	2,343.40	154.65	16.153		
9,400.00	7,057.08	9,704.59	6,925.01	74.19	85.76	86.99	1,304.63	-1,894.77	2,495.87	2,336.09	159.77	15.622		
9,500.00	7,054.97	9,804.56	6,924.09	76.75	88.37	87.02	1,300.02	-1,994.63	2,493.68	2,328.76	164.93	15.120		
9,600.00	7,052.86	9,904.53	6,923.18	79.32	90.98	87.04	1,295.40	-2,094.49	2,491.50	2,321.39	170.12	14.646		
9,700.00	7,050.75	10,004.50	6,922.27	81.91	93.61	87.07	1,290.79	-2,194.34	2,489.32	2,313.98	175.34	14.197		
9,800.00	7,048.64	10,104.47	6,921.36	84.52	96.26	87.09	1,286.17	-2,294.20	2,487.14	2,306.55	180.58	13.773		
9,900.00	7,046.53	10,204.44	6,920.45	87.14	98.91	87.12	1,281.55	-2,394.06	2,484.96	2,299.10	185.86	13.370		
10,000.00	7,044.43	10,304.41	6,919.54	89.78	101.57	87.14	1,276.94	-2,493.92	2,482.78	2,291.62	191.16	12.988		
10,100.00	7,042.32	10,404.38	6,918.63	92.43	104.24	87.17	1,272.32	-2,593.78	2,480.60	2,284.12	196.48	12.625		
10,200.00	7,040.21	10,504.35	6,917.71	95.09	106.93	87.19	1,267.71	-2,693.64	2,478.42	2,276.60	201.82	12.281		
10,300.00	7,038.10	10,604.32	6,916.80	97.76	109.61	87.22	1,263.09	-2,793.50	2,476.24	2,269.07	207.17	11.952		
10,400.00	7,035.99	10,704.29	6,915.89	100.44	112.31	87.24	1,258.48	-2,893.36	2,474.06	2,261.51	212.55	11.640		
10,500.00	7,033.88	10,804.26	6,914.98	103.13	115.01	87.27	1,253.86	-2,993.22	2,471.88	2,253.94	217.94	11.342		
10,600.00	7,031.78	10,904.23	6,914.07	105.82	117.72	87.29	1,249.24	-3,093.08	2,469.71	2,246.36	223.35	11.058		
10,700.00	7,029.67	11,004.20	6,913.16	108.53	120.44	87.32	1,244.63	-3,192.94	2,467.53	2,238.77	228.76	10.786		
10,800.00	7,027.56	11,104.17	6,912.25	111.24	123.16	87.34	1,240.01	-3,292.80	2,465.35	2,231.16	234.20	10.527		
10,900.00	7,025.45	11,204.14	6,911.33	113.96	125.88	87.37	1,235.40	-3,392.66	2,463.18	2,223.54	239.64	10.279		
11,000.00	7,023.34	11,304.11	6,910.42	116.68	128.61	87.40	1,230.78	-3,492.52	2,461.00	2,215.91	245.09	10.041		
11,100.00	7,021.23	11,404.08	6,909.51	119.41	131.35	87.42	1,226.16	-3,592.38	2,458.83	2,208.27	250.56	9.813		
11,200.00	7,019.13	11,504.05	6,908.60	122.15	134.09	87.45	1,221.55	-3,692.24	2,456.65	2,200.62	256.03	9.595		
11,300.00	7,017.02	11,604.02	6,907.69	124.89	136.83	87.47	1,216.93	-3,792.10	2,454.48	2,192.96	261.52	9.386		
11,400.00	7,014.91	11,703.99	6,906.78	127.63	139.58	87.50	1,212.32	-3,891.96	2,452.31	2,185.30	267.01	9.184		
11,500.00	7,012.80	11,803.96	6,905.87	130.38	142.33	87.52	1,207.70	-3,991.82	2,450.13	2,177.62	272.51	8.991		
11,600.00	7,010.69	11,903.93	6,904.95	133.14	145.08	87.55	1,203.09	-4,091.68	2,447.96	2,169.94	278.02	8.805		
11,700.00	7,008.58	12,003.91	6,904.04	135.89	147.84	87.58	1,198.47	-4,191.54	2,445.79	2,162.26	283.53	8.626		
11,800.00	7,006.47	12,103.88	6,903.13	138.65	150.60	87.60	1,193.85	-4,291.39	2,443.62	2,154.57	289.05	8.454		
11,900.00	7,004.37	12,203.85	6,902.22	141.42	153.36	87.63	1,189.24	-4,391.25	2,441.45	2,146.87	294.58	8.288		
12,000.00	7,002.26	12,303.82	6,901.31	144.19	156.13	87.65	1,184.62	-4,491.11	2,439.28	2,139.16	300.11	8.128		
12,100.00	7,000.15	12,403.79	6,900.40	146.96	158.90	87.68	1,180.01	-4,590.97	2,437.11	2,131.45	305.65	7.973		
12,200.00	6,998.04	12,503.76	6,899.49	149.73	161.67	87.71	1,175.39	-4,690.83	2,434.94	2,123.74	311.20	7.824		
12,300.00	6,995.93	12,603.73	6,898.57	152.51	164.44	87.73	1,170.77	-4,790.69	2,432.77	2,116.02	316.75	7.681		
12,400.00	6,993.82	12,703.70	6,897.66	155.28	167.21	87.76	1,166.16	-4,890.55	2,430.60	2,108.30	322.30	7.541		
12,500.00	6,991.72	12,803.67	6,896.75	158.06	169.99	87.78	1,161.54	-4,990.41	2,428.43	2,100.57	327.86	7.407		
12,600.00	6,989.61	12,903.64	6,895.84	160.85	172.77	87.81	1,156.93	-5,090.27	2,426.26	2,092.84	333.42	7.277		
12,700.00	6,987.50	13,003.61	6,894.93	163.63	175.55	87.84	1,152.31	-5,190.13	2,424.10	2,085.11	338.99	7.151		
12,800.00	6,985.39	13,103.58	6,894.02	166.42	178.33	87.86	1,147.70	-5,289.99	2,421.93	2,077.37	344.56	7.029		
12,900.00	6,983.28	13,203.55	6,893.11	169.21	181.12	87.89	1,143.08	-5,389.85	2,419.77	2,069.63	350.14	6.911		
13,000.00	6,981.17	13,303.52	6,892.19	172.00	183.90	87.92	1,138.46	-5,489.71	2,417.60	2,061.89	355.71	6.796		
13,100.00	6,979.07	13,403.49	6,891.28	174.79	186.69	87.94	1,133.85	-5,589.57	2,415.44	2,054.14	361.30	6.685		
13,200.00	6,976.96	13,503.46	6,890.37	177.59	189.48	87.97	1,129.23	-5,689.43	2,413.27	2,046.39	366.88	6.578		
13,300.00	6,974.85	13,603.43	6,889.46	180.38	192.27	88.00	1,124.62	-5,789.29	2,411.11	2,038.64	372.47	6.473		
13,400.00	6,972.74	13,703.40	6,888.55	183.18	195.06	88.02	1,120.00	-5,889.15	2,408.94	2,030.88	378.06	6.372		
13,500.00	6,970.63	13,803.37	6,887.64	185.98	197.85	88.05	1,115.39	-5,989.01	2,406.78	2,023.13	383.65	6.273		
13,600.00	6,968.52	13,903.34	6,886.73	188.78	200.65	88.08	1,110.77	-6,088.87	2,404.62	2,015.37	389.25	6.178		
13,700.00	6,966.41	14,003.31	6,885.81	191.58	203.44	88.10	1,106.15	-6,188.73	2,402.46	2,007.61	394.85	6.084		
13,800.00	6,964.31	14,103.28	6,884.90	194.39	206.24	88.13	1,101.54	-6,288.59	2,400.30	1,999.85	400.45	5.994		
13,900.00	6,962.20	14,203.25	6,883.99	197.19	209.04	88.16	1,096.92	-6,388.45	2,398.14	1,992.08	406.06	5.906		
14,000.00	6,960.09	14,303.22	6,883.08	200.00	211.84	88.18	1,092.31	-6,488.30	2,395.98	1,984.31	411.66	5.820		
14,100.00	6,957.98	14,403.19	6,882.17	202.80	214.64	88.21	1,087.69	-6,588.16	2,393.82	1,976.55	417.27	5.737		
14,200.00	6,955.87	14,503.16	6,881.26	205.61	217.44	88.24	1,083.07	-6,688.02	2,391.66	1,968.78	422.88	5.656		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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-6B-M - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,300.00	6,953.76	14,603.13	6,880.35	208.42	220.24	88.26	1,078.46	-6,787.88	2,389.50	1,961.00	428.49	5.576	
14,400.00	6,951.66	14,703.10	6,879.43	211.23	223.04	88.29	1,073.84	-6,887.74	2,387.34	1,953.23	434.11	5.499	
14,500.00	6,949.55	14,803.07	6,878.52	214.04	225.84	88.32	1,069.23	-6,987.60	2,385.18	1,945.46	439.73	5.424	
14,600.00	6,947.44	14,903.04	6,877.61	216.85	228.65	88.35	1,064.61	-7,087.46	2,383.03	1,937.68	445.34	5.351	
14,700.00	6,945.33	15,003.01	6,876.70	219.66	231.45	88.37	1,060.00	-7,187.32	2,380.87	1,929.91	450.96	5.280	
14,800.00	6,943.22	15,102.98	6,875.79	222.48	234.26	88.40	1,055.38	-7,287.18	2,378.72	1,922.13	456.59	5.210	
14,900.00	6,941.11	15,202.96	6,874.88	225.29	237.07	88.43	1,050.76	-7,387.04	2,376.56	1,914.35	462.21	5.142	
15,000.00	6,939.01	15,302.93	6,873.97	228.11	239.87	88.46	1,046.15	-7,486.90	2,374.41	1,906.57	467.83	5.075	
15,100.00	6,936.90	15,402.90	6,873.05	230.92	242.68	88.48	1,041.53	-7,586.76	2,372.25	1,898.79	473.46	5.010	
15,200.00	6,934.79	15,502.87	6,872.14	233.74	245.49	88.51	1,036.92	-7,686.62	2,370.10	1,891.01	479.09	4.947	
15,300.00	6,932.68	15,602.84	6,871.23	236.56	248.30	88.54	1,032.30	-7,786.48	2,367.95	1,883.23	484.72	4.885	
15,400.00	6,930.57	15,702.81	6,870.32	239.37	251.11	88.57	1,027.69	-7,886.34	2,365.79	1,875.44	490.35	4.825	
15,486.63	6,928.75	15,738.53	6,869.99	241.82	252.11	88.58	1,026.04	-7,922.02	2,364.48	1,870.69	493.79	4.788	
15,500.00	6,928.46	15,738.53	6,869.99	242.19	252.11	88.58	1,026.04	-7,922.02	2,364.51	1,870.39	494.12	4.785	
15,521.99	6,928.00	15,738.53	6,869.99	242.81	252.11	88.58	1,026.04	-7,922.02	2,364.74	1,870.10	494.64	4.781 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	134.43	13.36	135.09					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	134.43	13.36	135.09	128.52	6.57	20.564		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	134.43	13.36	135.09	128.42	6.67	20.242 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-141.40	134.43	13.36	136.45	129.57	6.89	19.818		
400.00	399.84	396.35	396.33	3.59	3.60	-142.17	135.54	14.55	141.81	134.62	7.19	19.710		
500.00	499.45	492.17	492.03	3.79	3.79	-142.75	138.83	18.07	152.41	144.81	7.60	20.053		
600.00	598.70	587.07	586.59	4.04	4.02	-143.10	144.23	23.87	168.17	160.09	8.08	20.802		
700.00	697.47	680.67	679.56	4.32	4.27	-143.24	151.65	31.83	189.02	180.39	8.63	21.901		
773.50	769.68	748.45	746.63	4.55	4.48	-143.22	158.32	38.98	207.52	198.46	9.07	22.891		
800.00	795.65	772.68	770.54	4.64	4.55	-141.44	160.97	41.82	214.75	205.52	9.23	23.271		
900.00	893.65	863.32	859.70	5.00	4.85	-143.10	172.08	53.74	243.40	233.55	9.85	24.709		
1,000.00	991.65	956.13	950.52	5.38	5.17	-142.59	185.11	67.71	273.86	263.35	10.50	26.071		
1,100.00	1,089.66	1,051.28	1,043.58	5.78	5.53	-142.13	198.65	82.22	304.53	293.33	11.20	27.186		
1,200.00	1,187.66	1,146.43	1,136.64	6.20	5.90	-141.75	212.18	96.74	335.22	323.29	11.93	28.100		
1,300.00	1,285.66	1,241.59	1,229.70	6.63	6.28	-141.44	225.72	111.26	365.92	353.24	12.68	28.851		
1,400.00	1,383.67	1,336.74	1,322.76	7.07	6.68	-141.18	239.26	125.77	396.63	383.18	13.46	29.472		
1,500.00	1,481.67	1,431.89	1,415.82	7.51	7.09	-140.95	252.79	140.29	427.35	413.10	14.25	29.988		
1,600.00	1,579.67	1,527.05	1,508.88	7.97	7.50	-140.75	266.33	154.81	458.07	443.01	15.06	30.419		
1,700.00	1,677.67	1,622.20	1,601.94	8.43	7.92	-140.58	279.87	169.32	488.80	472.92	15.88	30.781		
1,800.00	1,775.68	1,717.35	1,695.00	8.90	8.35	-140.43	293.40	183.84	519.53	502.81	16.71	31.088		
1,900.00	1,873.68	1,812.51	1,788.06	9.37	8.78	-140.30	306.94	198.35	550.26	532.71	17.55	31.349		
2,000.00	1,971.68	1,907.66	1,881.12	9.84	9.22	-140.18	320.48	212.87	580.99	562.59	18.40	31.573		
2,100.00	2,069.69	2,002.81	1,974.18	10.32	9.66	-140.07	334.01	227.39	611.73	592.47	19.26	31.765		
2,200.00	2,167.69	2,102.03	2,067.24	10.80	10.12	-139.97	347.55	241.90	642.47	622.33	20.14	31.901		
2,300.00	2,265.69	2,206.88	2,160.30	11.28	10.61	-139.89	361.09	256.42	673.21	652.16	21.05	31.979		
2,400.00	2,363.69	2,288.27	2,253.36	11.77	10.99	-139.80	374.62	270.94	703.95	682.09	21.86	32.201		
2,500.00	2,461.70	2,383.43	2,346.42	12.25	11.44	-139.73	388.16	285.45	734.69	711.95	22.74	32.311		
2,600.00	2,559.70	2,478.58	2,439.48	12.74	11.89	-139.66	401.70	299.97	765.43	741.82	23.62	32.408		
2,700.00	2,657.70	2,573.73	2,532.54	13.23	12.34	-139.60	415.23	314.48	796.18	771.68	24.50	32.494		
2,800.00	2,755.71	2,668.89	2,625.60	13.72	12.80	-139.54	428.77	329.00	826.92	801.54	25.39	32.570		
2,900.00	2,853.71	2,764.04	2,718.66	14.21	13.25	-139.49	442.31	343.52	857.67	831.39	26.28	32.638		
3,000.00	2,951.71	2,859.19	2,811.72	14.70	13.71	-139.44	455.84	358.03	888.42	861.25	27.17	32.698		
3,100.00	3,049.71	2,954.34	2,904.78	15.20	14.16	-139.39	469.38	372.55	919.16	891.10	28.06	32.751		
3,200.00	3,147.72	3,049.50	2,997.84	15.69	14.62	-139.35	482.92	387.07	949.91	920.95	28.96	32.800		
3,300.00	3,245.72	3,144.65	3,090.90	16.19	15.08	-139.30	496.45	401.58	980.66	950.80	29.86	32.843		
3,400.00	3,343.72	3,239.80	3,183.96	16.69	15.54	-139.27	509.99	416.10	1,011.41	980.65	30.76	32.882		
3,500.00	3,441.73	3,334.96	3,277.02	17.18	16.00	-139.23	523.53	430.61	1,042.16	1,010.50	31.66	32.917		
3,600.00	3,539.73	3,430.11	3,370.08	17.68	16.46	-139.20	537.06	445.13	1,072.91	1,040.34	32.56	32.949		
3,700.00	3,637.73	3,525.26	3,463.14	18.18	16.93	-139.16	550.60	459.65	1,103.66	1,070.19	33.47	32.978		
3,800.00	3,735.73	3,620.42	3,556.20	18.68	17.39	-139.13	564.14	474.16	1,134.41	1,100.03	34.37	33.005		
3,900.00	3,833.74	3,715.57	3,649.26	19.18	17.85	-139.10	577.67	488.68	1,165.16	1,129.88	35.28	33.028		
4,000.00	3,931.74	3,810.72	3,742.32	19.67	18.32	-139.08	591.21	503.20	1,195.91	1,159.72	36.18	33.050		
4,100.00	4,029.74	3,905.88	3,835.38	20.17	18.78	-139.05	604.74	517.71	1,226.66	1,189.56	37.09	33.070		
4,200.00	4,127.75	4,001.03	3,928.44	20.67	19.24	-139.03	618.28	532.23	1,257.41	1,219.41	38.00	33.088		
4,300.00	4,225.75	4,096.18	4,021.50	21.18	19.71	-139.00	631.82	546.74	1,288.16	1,249.25	38.91	33.105		
4,400.00	4,323.75	4,191.34	4,114.56	21.68	20.17	-138.98	645.35	561.26	1,318.91	1,279.09	39.82	33.120		
4,500.00	4,421.76	4,286.49	4,207.62	22.18	20.64	-138.96	658.89	575.78	1,349.66	1,308.93	40.73	33.134		
4,600.00	4,519.76	4,381.64	4,300.68	22.68	21.11	-138.94	672.43	590.29	1,380.41	1,338.77	41.65	33.147		
4,700.00	4,617.76	4,476.80	4,393.74	23.18	21.57	-138.92	685.96	604.81	1,411.16	1,368.61	42.56	33.159		
4,800.00	4,715.76	4,571.95	4,486.80	23.68	22.04	-138.90	699.50	619.32	1,441.92	1,398.45	43.47	33.169		
4,900.00	4,813.77	4,667.10	4,579.86	24.18	22.51	-138.88	713.04	633.84	1,472.67	1,428.28	44.39	33.179		
5,000.00	4,911.77	4,762.25	4,672.92	24.69	22.97	-138.86	726.57	648.36	1,503.42	1,458.12	45.30	33.189		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	4,857.41	4,765.98	25.19	23.44	-138.85	740.11	662.87	1,534.17	1,487.96	46.21	33.197		
5,200.00	5,107.78	4,952.56	4,859.04	25.69	23.91	-138.83	753.65	677.39	1,564.93	1,517.80	47.13	33.205		
5,300.00	5,205.78	5,047.71	4,952.10	26.19	24.37	-138.82	767.18	691.91	1,595.68	1,547.63	48.05	33.212		
5,400.00	5,303.78	5,142.87	5,045.16	26.70	24.84	-138.80	780.72	706.42	1,626.43	1,577.47	48.96	33.218		
5,500.00	5,401.78	5,238.02	5,138.22	27.20	25.31	-138.79	794.26	720.94	1,657.18	1,607.30	49.88	33.224		
5,600.00	5,499.79	5,333.17	5,231.28	27.70	25.78	-138.77	807.79	735.45	1,687.94	1,637.14	50.80	33.230		
5,700.00	5,597.79	5,428.33	5,324.34	28.21	26.25	-138.76	821.33	749.97	1,718.69	1,666.98	51.71	33.235		
5,800.00	5,695.79	5,523.48	5,417.40	28.71	26.72	-138.75	834.87	764.49	1,749.44	1,696.81	52.63	33.240		
5,900.00	5,793.80	5,618.63	5,510.46	29.22	27.18	-138.73	848.40	779.00	1,780.19	1,726.65	53.55	33.244		
6,000.00	5,891.80	5,713.79	5,603.52	29.72	27.65	-138.72	861.94	793.52	1,810.95	1,756.48	54.47	33.248		
6,100.00	5,989.80	5,808.94	5,696.58	30.22	28.12	-138.71	875.48	808.04	1,841.70	1,786.31	55.39	33.252		
6,200.00	6,087.80	5,904.09	5,789.64	30.73	28.59	-138.70	889.01	822.55	1,872.45	1,816.15	56.31	33.255		
6,300.00	6,185.81	5,999.25	5,882.70	31.23	29.06	-138.69	902.55	837.07	1,903.21	1,845.98	57.23	33.258		
6,400.00	6,283.81	6,105.60	5,975.76	31.74	29.58	-138.68	916.09	851.58	1,933.96	1,875.76	58.20	33.230		
6,500.00	6,381.81	6,189.55	6,068.82	32.24	30.00	-138.67	929.62	866.10	1,964.71	1,905.65	59.07	33.263		
6,520.79	6,402.19	6,209.34	6,088.17	32.35	30.10	-138.67	932.44	869.12	1,971.11	1,911.85	59.26	33.264		
6,550.00	6,430.87	6,237.08	6,115.30	32.49	30.23	-151.88	936.38	873.35	1,980.20	1,920.68	59.52	33.268		
6,600.00	6,480.12	6,284.23	6,161.41	32.72	30.47	-178.58	943.09	880.54	1,996.23	1,936.27	59.97	33.290		
6,650.00	6,529.30	6,330.69	6,206.85	32.93	30.69	156.99	949.70	887.63	2,012.80	1,952.41	60.39	33.330		
6,700.00	6,578.09	6,376.18	6,251.34	33.12	30.92	139.78	956.17	894.57	2,029.84	1,969.04	60.80	33.387		
6,750.00	6,626.21	6,433.84	6,307.80	33.30	31.20	128.56	964.36	902.92	2,047.28	1,985.96	61.32	33.389		
6,800.00	6,673.34	6,538.45	6,411.23	33.46	31.65	121.27	978.82	906.39	2,064.22	2,002.02	62.20	33.187		
6,850.00	6,719.21	6,652.41	6,522.98	33.61	32.08	115.97	993.54	890.70	2,080.03	2,016.99	63.04	32.994		
6,900.00	6,763.53	6,773.96	6,637.21	33.75	32.52	111.78	1,007.54	852.17	2,094.45	2,030.61	63.84	32.806		
6,950.00	6,806.03	6,899.73	6,745.69	33.89	33.00	108.21	1,019.65	790.11	2,107.24	2,042.62	64.62	32.608		
7,000.00	6,846.44	7,025.27	6,839.96	34.02	33.57	104.98	1,028.87	708.02	2,118.28	2,052.83	65.44	32.368		
7,050.00	6,884.52	7,146.16	6,914.08	34.15	34.25	101.98	1,034.70	612.93	2,127.57	2,061.20	66.38	32.054		
7,100.00	6,920.03	7,259.09	6,966.16	34.27	35.08	99.20	1,037.26	512.93	2,135.23	2,067.76	67.46	31.649		
7,150.00	6,952.75	7,362.33	6,997.83	34.40	36.01	96.65	1,037.08	414.78	2,141.41	2,072.73	68.68	31.180		
7,200.00	6,982.48	7,455.58	7,012.61	34.54	36.99	94.34	1,034.86	322.82	2,146.28	2,076.33	69.95	30.682		
7,250.00	7,009.04	7,529.15	7,014.89	34.70	37.85	92.43	1,031.76	249.39	2,150.04	2,078.93	71.11	30.235		
7,300.00	7,032.26	7,573.08	7,014.47	34.87	38.40	91.13	1,029.67	205.51	2,153.27	2,081.28	71.99	29.910		
7,350.00	7,052.00	7,618.74	7,014.03	35.08	39.00	90.04	1,027.49	159.90	2,156.06	2,083.11	72.96	29.553		
7,400.00	7,068.14	7,665.85	7,013.57	35.34	39.67	89.15	1,025.24	112.84	2,158.30	2,084.28	74.02	29.158		
7,450.00	7,080.57	7,714.13	7,013.11	35.65	40.37	88.47	1,022.94	64.62	2,159.89	2,084.72	75.16	28.736		
7,500.00	7,089.23	7,763.27	7,012.63	36.01	41.13	88.02	1,020.59	15.54	2,160.74	2,084.33	76.42	28.276		
7,550.00	7,094.06	7,812.98	7,012.15	36.44	41.93	87.80	1,018.22	-34.11	2,160.82	2,083.08	77.74	27.797		
7,601.12	7,095.00	7,864.06	7,011.66	36.93	42.79	87.82	1,015.79	-85.12	2,160.06	2,080.88	79.18	27.280		
7,700.00	7,092.92	7,962.91	7,010.70	38.05	44.54	87.84	1,011.07	-183.86	2,157.77	2,075.58	82.19	26.255		
7,800.00	7,090.81	8,062.87	7,009.74	39.40	46.41	87.87	1,006.30	-283.71	2,155.45	2,069.96	85.49	25.212		
7,900.00	7,088.70	8,162.84	7,008.78	40.93	48.38	87.90	1,001.53	-383.55	2,153.14	2,064.09	89.05	24.180		
8,000.00	7,086.59	8,262.81	7,007.81	42.61	50.43	87.93	996.77	-483.40	2,150.82	2,058.01	92.81	23.174		
8,100.00	7,084.49	8,362.78	7,006.85	44.41	52.56	87.96	992.00	-583.25	2,148.50	2,051.74	96.77	22.203		
8,200.00	7,082.38	8,462.74	7,005.88	46.33	54.75	87.98	987.23	-683.10	2,146.19	2,045.30	100.89	21.272		
8,300.00	7,080.27	8,562.71	7,004.92	48.34	56.99	88.01	982.46	-782.95	2,143.88	2,038.71	105.16	20.386		
8,400.00	7,078.16	8,662.68	7,003.95	50.43	59.29	88.04	977.69	-882.80	2,141.56	2,032.00	109.56	19.546		
8,500.00	7,076.05	8,762.65	7,002.99	52.59	61.64	88.07	972.92	-982.65	2,139.25	2,025.17	114.08	18.752		
8,600.00	7,073.94	8,862.61	7,002.02	54.82	64.02	88.10	968.16	-1,082.50	2,136.94	2,018.24	118.70	18.003		
8,700.00	7,071.84	8,962.58	7,001.06	57.10	66.44	88.13	963.39	-1,182.35	2,134.62	2,011.22	123.41	17.297		
8,800.00	7,069.73	9,062.55	7,000.10	59.44	68.89	88.16	958.62	-1,282.20	2,132.31	2,004.11	128.20	16.633		
8,900.00	7,067.62	9,162.52	6,999.13	61.81	71.37	88.18	953.85	-1,382.05	2,130.00	1,996.94	133.06	16.008		
9,000.00	7,065.51	9,262.49	6,998.17	64.23	73.88	88.21	949.08	-1,481.89	2,127.69	1,989.71	137.98	15.420		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	9,362.45	6,997.20	66.68	76.41	88.24	944.31	-1,581.74	2,125.38	1,982.42	142.96	14.867		
9,200.00	7,061.29	9,462.42	6,996.24	69.15	78.96	88.27	939.55	-1,681.59	2,123.07	1,975.08	147.99	14.346		
9,300.00	7,059.18	9,562.39	6,995.27	71.66	81.53	88.30	934.78	-1,781.44	2,120.76	1,967.69	153.07	13.855		
9,400.00	7,057.08	9,662.36	6,994.31	74.19	84.11	88.33	930.01	-1,881.29	2,118.45	1,960.26	158.19	13.392		
9,500.00	7,054.97	9,762.32	6,993.34	76.75	86.71	88.36	925.24	-1,981.14	2,116.15	1,952.80	163.35	12.955		
9,600.00	7,052.86	9,862.29	6,992.38	79.32	89.33	88.39	920.47	-2,080.99	2,113.84	1,945.30	168.54	12.542		
9,700.00	7,050.75	9,962.26	6,991.42	81.91	91.96	88.42	915.70	-2,180.84	2,111.53	1,937.77	173.76	12.152		
9,800.00	7,048.64	10,062.23	6,990.45	84.52	94.60	88.45	910.94	-2,280.69	2,109.23	1,930.21	179.01	11.782		
9,900.00	7,046.53	10,162.19	6,989.49	87.14	97.25	88.48	906.17	-2,380.54	2,106.92	1,922.63	184.29	11.433		
10,000.00	7,044.43	10,262.16	6,988.52	89.78	99.91	88.51	901.40	-2,480.39	2,104.61	1,915.02	189.59	11.101		
10,100.00	7,042.32	10,362.13	6,987.56	92.43	102.59	88.53	896.63	-2,580.23	2,102.31	1,907.40	194.91	10.786		
10,200.00	7,040.21	10,462.10	6,986.59	95.09	105.27	88.56	891.86	-2,680.08	2,100.01	1,899.75	200.26	10.487		
10,300.00	7,038.10	10,562.06	6,985.63	97.76	107.95	88.59	887.09	-2,779.93	2,097.70	1,892.08	205.62	10.202		
10,400.00	7,035.99	10,662.03	6,984.66	100.44	110.65	88.62	882.33	-2,879.78	2,095.40	1,884.40	211.00	9.931		
10,500.00	7,033.88	10,762.00	6,983.70	103.13	113.35	88.65	877.56	-2,979.63	2,093.10	1,876.71	216.39	9.673		
10,600.00	7,031.78	10,861.97	6,982.74	105.82	116.06	88.68	872.79	-3,079.48	2,090.80	1,869.00	221.80	9.427		
10,700.00	7,029.67	10,961.93	6,981.77	108.53	118.78	88.71	868.02	-3,179.33	2,088.49	1,861.28	227.22	9.192		
10,800.00	7,027.56	11,061.90	6,980.81	111.24	121.50	88.74	863.25	-3,279.18	2,086.19	1,853.54	232.65	8.967		
10,900.00	7,025.45	11,161.87	6,979.84	113.96	124.22	88.77	858.48	-3,379.03	2,083.89	1,845.79	238.10	8.752		
11,000.00	7,023.34	11,261.84	6,978.88	116.68	126.95	88.80	853.72	-3,478.88	2,081.59	1,838.04	243.56	8.547		
11,100.00	7,021.23	11,361.80	6,977.91	119.41	129.69	88.83	848.95	-3,578.73	2,079.30	1,830.27	249.02	8.350		
11,200.00	7,019.13	11,461.77	6,976.95	122.15	132.43	88.86	844.18	-3,678.58	2,077.00	1,822.50	254.50	8.161		
11,300.00	7,017.02	11,561.74	6,975.98	124.89	135.17	88.89	839.41	-3,778.42	2,074.70	1,814.71	259.99	7.980		
11,400.00	7,014.91	11,661.71	6,975.02	127.63	137.92	88.92	834.64	-3,878.27	2,072.40	1,806.92	265.48	7.806		
11,500.00	7,012.80	11,761.67	6,974.06	130.38	140.67	88.95	829.87	-3,978.12	2,070.11	1,799.12	270.98	7.639		
11,600.00	7,010.69	11,861.64	6,973.09	133.14	143.42	88.98	825.11	-4,077.97	2,067.81	1,791.32	276.49	7.479		
11,700.00	7,008.58	11,961.61	6,972.13	135.89	146.18	89.02	820.34	-4,177.82	2,065.51	1,783.51	282.01	7.324		
11,800.00	7,006.47	12,061.58	6,971.16	138.65	148.94	89.05	815.57	-4,277.67	2,063.22	1,775.69	287.53	7.176		
11,900.00	7,004.37	12,161.54	6,970.20	141.42	151.70	89.08	810.80	-4,377.52	2,060.93	1,767.87	293.06	7.032		
12,000.00	7,002.26	12,261.51	6,969.23	144.19	154.47	89.11	806.03	-4,477.37	2,058.63	1,760.04	298.59	6.894		
12,100.00	7,000.15	12,361.48	6,968.27	146.96	157.24	89.14	801.26	-4,577.22	2,056.34	1,752.21	304.13	6.761		
12,200.00	6,998.04	12,461.45	6,967.30	149.73	160.01	89.17	796.49	-4,677.07	2,054.05	1,744.37	309.68	6.633		
12,300.00	6,995.93	12,561.41	6,966.34	152.51	162.78	89.20	791.73	-4,776.92	2,051.75	1,736.53	315.23	6.509		
12,400.00	6,993.82	12,661.38	6,965.38	155.28	165.56	89.23	786.96	-4,876.76	2,049.46	1,728.68	320.78	6.389		
12,500.00	6,991.72	12,761.35	6,964.41	158.06	168.33	89.26	782.19	-4,976.61	2,047.17	1,720.83	326.34	6.273		
12,600.00	6,989.61	12,861.32	6,963.45	160.85	171.11	89.29	777.42	-5,076.46	2,044.88	1,712.98	331.91	6.161		
12,700.00	6,987.50	12,961.29	6,962.48	163.63	173.89	89.33	772.65	-5,176.31	2,042.59	1,705.12	337.47	6.053		
12,800.00	6,985.39	13,061.25	6,961.52	166.42	176.68	89.36	767.88	-5,276.16	2,040.30	1,697.26	343.05	5.948		
12,900.00	6,983.28	13,161.22	6,960.55	169.21	179.46	89.39	763.12	-5,376.01	2,038.02	1,689.40	348.62	5.846		
13,000.00	6,981.17	13,261.19	6,959.59	172.00	182.25	89.42	758.35	-5,475.86	2,035.73	1,681.53	354.20	5.747		
13,100.00	6,979.07	13,361.16	6,958.62	174.79	185.03	89.45	753.58	-5,575.71	2,033.44	1,673.66	359.78	5.652		
13,200.00	6,976.96	13,461.12	6,957.66	177.59	187.82	89.48	748.81	-5,675.56	2,031.16	1,665.79	365.37	5.559		
13,300.00	6,974.85	13,561.09	6,956.69	180.38	190.61	89.51	744.04	-5,775.41	2,028.87	1,657.92	370.95	5.469		
13,400.00	6,972.74	13,661.06	6,955.73	183.18	193.41	89.55	739.27	-5,875.26	2,026.58	1,650.04	376.54	5.382		
13,500.00	6,970.63	13,761.03	6,954.77	185.98	196.20	89.58	734.51	-5,975.11	2,024.30	1,642.16	382.14	5.297		
13,600.00	6,968.52	13,860.99	6,953.80	188.78	198.99	89.61	729.74	-6,074.95	2,022.02	1,634.28	387.73	5.215		
13,700.00	6,966.41	13,960.96	6,952.84	191.58	201.79	89.64	724.97	-6,174.80	2,019.73	1,626.40	393.33	5.135		
13,800.00	6,964.31	14,060.93	6,951.87	194.39	204.58	89.67	720.20	-6,274.65	2,017.45	1,618.52	398.93	5.057		
13,900.00	6,962.20	14,160.90	6,950.91	197.19	207.38	89.71	715.43	-6,374.50	2,015.17	1,610.64	404.53	4.981		
14,000.00	6,960.09	14,260.86	6,949.94	200.00	210.18	89.74	710.66	-6,474.35	2,012.89	1,602.75	410.14	4.908		
14,100.00	6,957.98	14,360.83	6,948.98	202.80	212.98	89.77	705.90	-6,574.20	2,010.61	1,594.86	415.74	4.836		
14,200.00	6,955.87	14,460.80	6,948.01	205.61	215.78	89.80	701.13	-6,674.05	2,008.33	1,586.97	421.35	4.766		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,953.76	14,560.77	6,947.05	208.42	218.58	89.84	696.36	-6,773.90	2,006.05	1,579.08	426.96	4.698		
14,400.00	6,951.66	14,660.73	6,946.09	211.23	221.39	89.87	691.59	-6,873.75	2,003.77	1,571.19	432.57	4.632		
14,500.00	6,949.55	14,760.70	6,945.12	214.04	224.19	89.90	686.82	-6,973.60	2,001.49	1,563.30	438.19	4.568		
14,600.00	6,947.44	14,860.67	6,944.16	216.85	226.99	89.93	682.05	-7,073.45	1,999.21	1,555.41	443.80	4.505		
14,700.00	6,945.33	14,960.64	6,943.19	219.66	229.80	89.97	677.29	-7,173.29	1,996.94	1,547.51	449.42	4.443		
14,800.00	6,943.22	15,060.60	6,942.23	222.48	232.60	90.00	672.52	-7,273.14	1,994.66	1,539.62	455.04	4.383		
14,900.00	6,941.11	15,160.57	6,941.26	225.29	235.41	90.03	667.75	-7,372.99	1,992.38	1,531.72	460.66	4.325		
15,000.00	6,939.01	15,260.54	6,940.30	228.11	238.22	90.06	662.98	-7,472.84	1,990.11	1,523.83	466.28	4.268		
15,100.00	6,936.90	15,360.51	6,939.33	230.92	241.02	90.10	658.21	-7,572.69	1,987.84	1,515.93	471.90	4.212		
15,200.00	6,934.79	15,460.47	6,938.37	233.74	243.83	90.13	653.44	-7,672.54	1,985.56	1,508.04	477.53	4.158		
15,300.00	6,932.68	15,560.44	6,937.41	236.56	246.64	90.16	648.68	-7,772.39	1,983.29	1,500.14	483.15	4.105		
15,400.00	6,930.57	15,660.41	6,936.44	239.37	249.45	90.20	643.91	-7,872.24	1,981.02	1,492.24	488.78	4.053		
15,490.71	6,928.66	15,706.13	6,936.00	241.93	250.74	90.21	641.73	-7,917.90	1,979.47	1,486.86	492.60	4.018		
15,500.00	6,928.46	15,706.13	6,936.00	242.19	250.74	90.21	641.73	-7,917.90	1,979.49	1,486.66	492.83	4.017		
15,521.99	6,928.00	15,706.13	6,936.00	242.81	250.74	90.21	641.73	-7,917.90	1,979.71	1,486.39	493.33	4.013 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5.75	74.69	7.52	75.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.75	74.69	7.52	75.06	68.49	6.57	11.426		
200.00	200.00	200.00	200.00	3.34	3.34	5.75	74.69	7.52	75.06	68.39	6.67	11.247 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-141.69	74.69	7.52	76.42	69.54	6.89	11.100		
400.00	399.84	399.74	399.72	3.59	3.60	-142.71	74.64	9.25	80.65	73.46	7.19	11.214		
500.00	499.45	499.37	499.21	3.79	3.80	-142.67	74.50	14.45	87.80	80.22	7.59	11.572		
600.00	598.70	598.70	598.16	4.04	4.04	-141.80	74.28	23.07	97.87	89.80	8.07	12.132		
700.00	697.47	702.36	696.37	4.32	4.32	-140.40	73.97	35.02	110.87	102.24	8.63	12.843		
773.50	769.68	770.25	768.33	4.55	4.53	-139.77	73.71	44.68	122.22	113.15	9.07	13.479		
800.00	795.65	803.61	794.24	4.64	4.63	-139.72	73.62	48.16	126.56	117.30	9.26	13.669		
900.00	893.65	904.97	892.00	5.00	4.97	-139.56	73.28	61.29	142.97	133.04	9.93	14.398		
1,000.00	991.65	1,006.32	989.77	5.38	5.32	-139.42	72.93	74.41	159.38	148.74	10.64	14.974		
1,100.00	1,089.66	1,107.68	1,087.54	5.78	5.70	-139.32	72.59	87.54	175.79	164.40	11.39	15.431		
1,200.00	1,187.66	1,209.04	1,185.30	6.20	6.09	-139.23	72.25	100.67	192.20	180.03	12.17	15.795		
1,300.00	1,285.66	1,289.61	1,283.07	6.63	6.41	-139.15	71.90	113.80	208.61	195.72	12.89	16.189		
1,400.00	1,383.67	1,388.25	1,380.84	7.07	6.80	-139.09	71.56	126.92	225.02	211.33	13.69	16.434		
1,500.00	1,481.67	1,486.90	1,478.60	7.51	7.21	-139.04	71.22	140.05	241.43	226.91	14.51	16.634		
1,600.00	1,579.67	1,585.54	1,576.37	7.97	7.62	-138.99	70.87	153.18	257.84	242.49	15.35	16.798		
1,700.00	1,677.67	1,684.18	1,674.13	8.43	8.03	-138.94	70.53	166.30	274.25	258.05	16.20	16.933		
1,800.00	1,775.68	1,782.83	1,771.90	8.90	8.45	-138.91	70.18	179.43	290.66	273.61	17.05	17.045		
1,900.00	1,873.68	1,881.47	1,869.67	9.37	8.88	-138.87	69.84	192.56	307.07	289.15	17.92	17.138		
2,000.00	1,971.68	1,980.12	1,967.43	9.84	9.30	-138.84	69.50	205.69	323.48	304.69	18.79	17.216		
2,100.00	2,069.69	2,078.76	2,065.20	10.32	9.74	-138.82	69.15	218.81	339.89	320.23	19.67	17.282		
2,200.00	2,167.69	2,177.40	2,162.96	10.80	10.17	-138.79	68.81	231.94	356.30	335.75	20.55	17.338		
2,300.00	2,265.69	2,276.05	2,260.73	11.28	10.60	-138.77	68.47	245.07	372.71	351.28	21.44	17.386		
2,400.00	2,363.69	2,374.69	2,358.50	11.77	11.04	-138.75	68.12	258.19	389.13	366.80	22.33	17.426		
2,500.00	2,461.70	2,473.34	2,456.26	12.25	11.48	-138.73	67.78	271.32	405.54	382.31	23.23	17.461		
2,600.00	2,559.70	2,571.98	2,554.03	12.74	11.92	-138.71	67.43	284.45	421.95	397.82	24.12	17.491		
2,700.00	2,657.70	2,670.62	2,651.79	13.23	12.36	-138.70	67.09	297.58	438.36	413.33	25.03	17.516		
2,800.00	2,755.71	2,769.27	2,749.56	13.72	12.81	-138.68	66.75	310.70	454.77	428.84	25.93	17.538		
2,900.00	2,853.71	2,867.91	2,847.33	14.21	13.25	-138.67	66.40	323.83	471.18	444.35	26.84	17.557		
3,000.00	2,951.71	2,966.56	2,945.09	14.70	13.70	-138.65	66.06	336.96	487.59	459.85	27.75	17.573		
3,100.00	3,049.71	3,065.20	3,042.86	15.20	14.15	-138.64	65.72	350.08	504.01	475.35	28.66	17.588		
3,200.00	3,147.72	3,163.85	3,140.63	15.69	14.59	-138.63	65.37	363.21	520.42	490.85	29.57	17.600		
3,300.00	3,245.72	3,262.49	3,238.39	16.19	15.04	-138.62	65.03	376.34	536.83	506.34	30.48	17.611		
3,400.00	3,343.72	3,361.13	3,336.16	16.69	15.49	-138.61	64.68	389.47	553.24	521.84	31.40	17.620		
3,500.00	3,441.73	3,459.78	3,433.92	17.18	15.94	-138.60	64.34	402.59	569.65	537.34	32.32	17.628		
3,600.00	3,539.73	3,558.42	3,531.69	17.68	16.39	-138.59	64.00	415.72	586.06	552.83	33.23	17.635		
3,700.00	3,637.73	3,657.07	3,629.46	18.18	16.84	-138.58	63.65	428.85	602.47	568.32	34.15	17.641		
3,800.00	3,735.73	3,755.71	3,727.22	18.68	17.29	-138.57	63.31	441.97	618.89	583.81	35.07	17.646		
3,900.00	3,833.74	3,854.35	3,824.99	19.18	17.75	-138.57	62.97	455.10	635.30	599.30	35.99	17.650		
4,000.00	3,931.74	3,953.00	3,922.75	19.67	18.20	-138.56	62.62	468.23	651.71	614.79	36.92	17.654		
4,100.00	4,029.74	4,051.64	4,020.52	20.17	18.65	-138.55	62.28	481.36	668.12	630.28	37.84	17.657		
4,200.00	4,127.75	4,150.29	4,118.29	20.67	19.10	-138.55	61.93	494.48	684.53	645.77	38.76	17.660		
4,300.00	4,225.75	4,248.93	4,216.05	21.18	19.56	-138.54	61.59	507.61	700.94	661.26	39.69	17.662		
4,400.00	4,323.75	4,347.57	4,313.82	21.68	20.01	-138.53	61.25	520.74	717.35	676.74	40.61	17.664		
4,500.00	4,421.76	4,446.22	4,411.58	22.18	20.46	-138.53	60.90	533.86	733.77	692.23	41.54	17.666		
4,600.00	4,519.76	4,544.86	4,509.35	22.68	20.92	-138.52	60.56	546.99	750.18	707.72	42.46	17.667		
4,700.00	4,617.76	4,643.51	4,607.12	23.18	21.37	-138.52	60.22	560.12	766.59	723.20	43.39	17.668		
4,800.00	4,715.76	4,742.15	4,704.88	23.68	21.83	-138.51	59.87	573.25	783.00	738.69	44.32	17.669		
4,900.00	4,813.77	4,840.79	4,802.65	24.18	22.28	-138.51	59.53	586.37	799.41	754.17	45.24	17.669		
5,000.00	4,911.77	4,939.44	4,900.42	24.69	22.74	-138.50	59.18	599.50	815.82	769.65	46.17	17.669		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,038.08	4,998.18	25.19	23.19	-138.50	58.84	612.63	832.24	785.14	47.10	17.670		
5,200.00	5,107.78	5,136.73	5,095.95	25.69	23.65	-138.49	58.50	625.75	848.65	800.62	48.03	17.670		
5,300.00	5,205.78	5,235.37	5,193.71	26.19	24.11	-138.49	58.15	638.88	865.06	816.10	48.96	17.669		
5,400.00	5,303.78	5,334.02	5,291.48	26.70	24.56	-138.49	57.81	652.01	881.47	831.58	49.89	17.669		
5,500.00	5,401.78	5,432.66	5,389.25	27.20	25.02	-138.48	57.47	665.14	897.88	847.06	50.82	17.669		
5,600.00	5,499.79	5,531.30	5,487.01	27.70	25.47	-138.48	57.12	678.26	914.29	862.55	51.75	17.668		
5,700.00	5,597.79	5,629.95	5,584.78	28.21	25.93	-138.48	56.78	691.39	930.71	878.03	52.68	17.668		
5,800.00	5,695.79	5,728.59	5,682.54	28.71	26.39	-138.47	56.43	704.52	947.12	893.51	53.61	17.667		
5,900.00	5,793.80	5,827.24	5,780.31	29.22	26.84	-138.47	56.09	717.64	963.53	908.99	54.54	17.666		
6,000.00	5,891.80	5,925.88	5,878.08	29.72	27.30	-138.47	55.75	730.77	979.94	924.47	55.47	17.666		
6,100.00	5,989.80	6,024.52	5,975.84	30.22	27.76	-138.46	55.40	743.90	996.35	939.95	56.40	17.665		
6,200.00	6,087.80	6,123.17	6,073.61	30.73	28.21	-138.46	55.06	757.03	1,012.76	955.43	57.34	17.664		
6,300.00	6,185.81	6,221.81	6,171.38	31.23	28.67	-138.46	54.72	770.15	1,029.18	970.91	58.27	17.663		
6,400.00	6,283.81	6,320.46	6,269.14	31.74	29.13	-138.45	54.37	783.28	1,045.59	986.39	59.20	17.662		
6,500.00	6,381.81	6,419.10	6,366.91	32.24	29.59	-138.45	54.03	796.41	1,062.00	1,001.87	60.13	17.661		
6,520.79	6,402.19	6,439.61	6,387.24	32.35	29.68	-138.45	53.96	799.14	1,065.41	1,005.08	60.33	17.661		
6,550.00	6,430.87	6,468.39	6,415.76	32.49	29.81	-151.24	53.86	802.97	1,070.32	1,009.72	60.60	17.663		
6,600.00	6,480.12	6,534.00	6,481.06	32.72	30.11	-177.18	53.54	809.03	1,078.94	1,017.76	61.18	17.636		
6,650.00	6,529.30	6,602.93	6,549.95	32.93	30.38	159.04	52.97	808.17	1,087.30	1,025.59	61.71	17.619		
6,700.00	6,578.09	6,672.20	6,618.68	33.12	30.64	142.35	52.15	799.82	1,095.35	1,033.16	62.19	17.613		
6,750.00	6,626.21	6,741.54	6,686.15	33.30	30.90	131.40	51.10	784.04	1,103.03	1,040.39	62.64	17.608		
6,800.00	6,673.34	6,810.67	6,751.32	33.46	31.16	123.93	49.84	761.10	1,110.31	1,047.23	63.08	17.602		
6,850.00	6,719.21	6,879.33	6,813.20	33.61	31.44	118.51	48.38	731.46	1,117.14	1,053.63	63.51	17.591		
6,900.00	6,763.53	6,947.29	6,870.94	33.75	31.72	114.33	46.75	695.74	1,123.51	1,059.57	63.94	17.571		
6,950.00	6,806.03	7,014.30	6,923.85	33.89	32.03	110.94	45.00	654.69	1,129.41	1,065.01	64.40	17.538		
7,000.00	6,846.44	7,080.19	6,971.37	34.02	32.37	108.11	43.13	609.13	1,134.81	1,069.92	64.90	17.487		
7,050.00	6,884.52	7,144.81	7,013.15	34.15	32.74	105.66	41.19	559.91	1,139.73	1,074.29	65.44	17.416		
7,100.00	6,920.03	7,208.04	7,049.00	34.27	33.16	103.50	39.21	507.89	1,144.16	1,078.11	66.05	17.322		
7,150.00	6,952.75	7,269.80	7,078.87	34.40	33.62	101.57	37.21	453.90	1,148.10	1,081.37	66.74	17.203		
7,200.00	6,982.48	7,330.05	7,102.82	34.54	34.13	99.84	35.21	398.68	1,151.57	1,084.07	67.49	17.062		
7,250.00	7,009.04	7,388.78	7,121.05	34.70	34.67	98.26	33.25	342.91	1,154.55	1,086.23	68.33	16.898		
7,300.00	7,032.26	7,445.99	7,133.79	34.87	35.25	96.84	31.33	287.19	1,157.07	1,087.84	69.23	16.714		
7,350.00	7,052.00	7,501.70	7,141.34	35.08	35.86	95.54	29.46	232.03	1,159.11	1,088.92	70.19	16.514		
7,400.00	7,068.14	7,555.98	7,144.02	35.34	36.49	94.38	27.67	177.87	1,160.70	1,089.49	71.21	16.300		
7,450.00	7,080.57	7,605.45	7,143.56	35.65	37.10	93.43	26.06	128.43	1,161.88	1,089.62	72.26	16.080		
7,500.00	7,089.23	7,654.56	7,142.99	36.01	37.76	92.77	24.46	79.35	1,162.71	1,089.31	73.40	15.842		
7,550.00	7,094.06	7,704.25	7,142.41	36.44	38.44	92.40	22.84	29.69	1,163.11	1,088.51	74.59	15.592		
7,601.12	7,095.00	7,755.33	7,141.81	36.93	39.21	92.32	21.18	-21.36	1,163.00	1,087.06	75.94	15.314		
7,700.00	7,092.92	7,854.20	7,140.66	38.05	40.77	92.36	17.96	-120.17	1,162.29	1,083.53	78.76	14.757		
7,800.00	7,090.81	7,954.19	7,139.50	39.40	42.49	92.41	14.70	-220.11	1,161.57	1,079.66	81.91	14.182		
7,900.00	7,088.70	8,054.19	7,138.34	40.93	44.32	92.46	11.45	-320.04	1,160.85	1,075.53	85.32	13.606		
8,000.00	7,086.59	8,154.18	7,137.17	42.61	46.25	92.51	8.19	-419.97	1,160.13	1,071.17	88.96	13.041		
8,100.00	7,084.49	8,254.17	7,136.01	44.41	48.27	92.56	4.93	-519.90	1,159.41	1,066.60	92.81	12.493		
8,200.00	7,082.38	8,354.16	7,134.85	46.33	50.38	92.60	1.68	-619.84	1,158.69	1,061.86	96.84	11.966		
8,300.00	7,080.27	8,454.16	7,133.69	48.34	52.55	92.65	-1.58	-719.77	1,157.97	1,056.95	101.02	11.462		
8,400.00	7,078.16	8,554.15	7,132.52	50.43	54.78	92.70	-4.83	-819.70	1,157.26	1,051.90	105.35	10.985		
8,500.00	7,076.05	8,654.14	7,131.36	52.59	57.07	92.75	-8.09	-919.63	1,156.54	1,046.74	109.81	10.533		
8,600.00	7,073.94	8,754.13	7,130.20	54.82	59.41	92.80	-11.35	-1,019.57	1,155.83	1,041.46	114.37	10.106		
8,700.00	7,071.84	8,854.13	7,129.03	57.10	61.79	92.85	-14.60	-1,119.50	1,155.11	1,036.09	119.03	9.705		
8,800.00	7,069.73	8,954.12	7,127.87	59.44	64.21	92.90	-17.86	-1,219.43	1,154.40	1,030.63	123.77	9.327		
8,900.00	7,067.62	9,054.11	7,126.71	61.81	66.66	92.95	-21.12	-1,319.37	1,153.69	1,025.10	128.59	8.972		
9,000.00	7,065.51	9,154.11	7,125.54	64.23	69.14	92.99	-24.37	-1,419.30	1,152.98	1,019.50	133.48	8.638		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	9,254.10	7,124.38	66.68	71.65	93.04	-27.63	-1,519.23	1,152.27	1,013.84	138.42	8.324		
9,200.00	7,061.29	9,354.09	7,123.22	69.15	74.18	93.09	-30.89	-1,619.16	1,151.56	1,008.13	143.42	8.029		
9,300.00	7,059.18	9,454.08	7,122.05	71.66	76.73	93.14	-34.14	-1,719.10	1,150.85	1,002.37	148.47	7.751		
9,400.00	7,057.08	9,554.08	7,120.89	74.19	79.30	93.19	-37.40	-1,819.03	1,150.14	996.57	153.57	7.489		
9,500.00	7,054.97	9,654.07	7,119.73	76.75	81.90	93.24	-40.66	-1,918.96	1,149.43	990.73	158.70	7.243		
9,600.00	7,052.86	9,754.06	7,118.56	79.32	84.50	93.29	-43.91	-2,018.90	1,148.72	984.86	163.87	7.010		
9,700.00	7,050.75	9,854.05	7,117.40	81.91	87.13	93.34	-47.17	-2,118.83	1,148.02	978.95	169.07	6.790		
9,800.00	7,048.64	9,954.05	7,116.24	84.52	89.76	93.39	-50.42	-2,218.76	1,147.31	973.02	174.30	6.583		
9,900.00	7,046.53	10,054.04	7,115.08	87.14	92.41	93.44	-53.68	-2,318.69	1,146.61	967.06	179.55	6.386		
10,000.00	7,044.43	10,154.03	7,113.91	89.78	95.07	93.49	-56.94	-2,418.63	1,145.91	961.07	184.83	6.200		
10,100.00	7,042.32	10,254.02	7,112.75	92.43	97.74	93.54	-60.19	-2,518.56	1,145.21	955.07	190.14	6.023		
10,200.00	7,040.21	10,354.02	7,111.59	95.09	100.42	93.58	-63.45	-2,618.49	1,144.50	949.05	195.46	5.856		
10,300.00	7,038.10	10,454.01	7,110.42	97.76	103.11	93.63	-66.71	-2,718.43	1,143.80	943.01	200.80	5.696		
10,400.00	7,035.99	10,554.00	7,109.26	100.44	105.80	93.68	-69.96	-2,818.36	1,143.10	936.95	206.16	5.545		
10,500.00	7,033.88	10,653.99	7,108.10	103.13	108.51	93.73	-73.22	-2,918.29	1,142.41	930.88	211.53	5.401		
10,600.00	7,031.78	10,753.99	7,106.93	105.82	111.22	93.78	-76.48	-3,018.22	1,141.71	924.79	216.92	5.263		
10,700.00	7,029.67	10,853.98	7,105.77	108.53	113.93	93.83	-79.73	-3,118.16	1,141.01	918.69	222.32	5.132		
10,800.00	7,027.56	10,953.97	7,104.61	111.24	116.66	93.88	-82.99	-3,218.09	1,140.31	912.58	227.73	5.007		
10,900.00	7,025.45	11,053.97	7,103.44	113.96	119.39	93.93	-86.25	-3,318.02	1,139.62	906.46	233.16	4.888		
11,000.00	7,023.34	11,153.96	7,102.28	116.68	122.12	93.98	-89.50	-3,417.96	1,138.93	900.33	238.59	4.774		
11,100.00	7,021.23	11,253.95	7,101.12	119.41	124.86	94.03	-92.76	-3,517.89	1,138.23	894.19	244.04	4.664		
11,200.00	7,019.13	11,353.94	7,099.95	122.15	127.60	94.08	-96.02	-3,617.82	1,137.54	888.05	249.49	4.559		
11,300.00	7,017.02	11,453.94	7,098.79	124.89	130.35	94.13	-99.27	-3,717.75	1,136.85	881.89	254.96	4.459		
11,400.00	7,014.91	11,553.93	7,097.63	127.63	133.10	94.18	-102.53	-3,817.69	1,136.16	875.73	260.43	4.363		
11,500.00	7,012.80	11,653.92	7,096.47	130.38	135.86	94.24	-105.78	-3,917.62	1,135.47	869.56	265.90	4.270		
11,600.00	7,010.69	11,753.91	7,095.30	133.14	138.62	94.29	-109.04	-4,017.55	1,134.78	863.39	271.39	4.181		
11,700.00	7,008.58	11,853.91	7,094.14	135.89	141.38	94.34	-112.30	-4,117.49	1,134.09	857.21	276.88	4.096		
11,800.00	7,006.47	11,953.90	7,092.98	138.65	144.14	94.39	-115.55	-4,217.42	1,133.40	851.03	282.38	4.014		
11,900.00	7,004.37	12,053.89	7,091.81	141.42	146.91	94.44	-118.81	-4,317.35	1,132.72	844.84	287.88	3.935		
12,000.00	7,002.26	12,153.88	7,090.65	144.19	149.68	94.49	-122.07	-4,417.28	1,132.03	838.65	293.38	3.859		
12,100.00	7,000.15	12,253.88	7,089.49	146.96	152.46	94.54	-125.32	-4,517.22	1,131.34	832.45	298.90	3.785		
12,200.00	6,998.04	12,353.87	7,088.32	149.73	155.23	94.59	-128.58	-4,617.15	1,130.66	826.25	304.41	3.714		
12,300.00	6,995.93	12,453.86	7,087.16	152.51	158.01	94.64	-131.84	-4,717.08	1,129.98	820.05	309.93	3.646		
12,400.00	6,993.82	12,553.85	7,086.00	155.28	160.79	94.69	-135.09	-4,817.02	1,129.30	813.84	315.46	3.580		
12,500.00	6,991.72	12,653.85	7,084.83	158.06	163.58	94.74	-138.35	-4,916.95	1,128.61	807.63	320.98	3.516		
12,600.00	6,989.61	12,753.84	7,083.67	160.85	166.36	94.79	-141.61	-5,016.88	1,127.93	801.42	326.52	3.454		
12,700.00	6,987.50	12,853.83	7,082.51	163.63	169.15	94.84	-144.86	-5,116.81	1,127.26	795.21	332.05	3.395		
12,800.00	6,985.39	12,953.83	7,081.34	166.42	171.94	94.90	-148.12	-5,216.75	1,126.58	788.99	337.59	3.337		
12,900.00	6,983.28	13,053.82	7,080.18	169.21	174.73	94.95	-151.37	-5,316.68	1,125.90	782.77	343.13	3.281		
13,000.00	6,981.17	13,153.81	7,079.02	172.00	177.52	95.00	-154.63	-5,416.61	1,125.22	776.55	348.67	3.227		
13,100.00	6,979.07	13,253.80	7,077.86	174.79	180.32	95.05	-157.89	-5,516.54	1,124.55	770.33	354.21	3.175		
13,200.00	6,976.96	13,353.80	7,076.69	177.59	183.11	95.10	-161.14	-5,616.48	1,123.87	764.11	359.76	3.124		
13,300.00	6,974.85	13,453.79	7,075.53	180.38	185.91	95.15	-164.40	-5,716.41	1,123.20	757.89	365.31	3.075		
13,400.00	6,972.74	13,553.78	7,074.37	183.18	188.71	95.20	-167.66	-5,816.34	1,122.52	751.67	370.86	3.027		
13,500.00	6,970.63	13,653.77	7,073.20	185.98	191.51	95.26	-170.91	-5,916.28	1,121.85	745.44	376.41	2.980		
13,600.00	6,968.52	13,753.77	7,072.04	188.78	194.31	95.31	-174.17	-6,016.21	1,121.18	739.22	381.96	2.935		
13,700.00	6,966.41	13,853.76	7,070.88	191.58	197.11	95.36	-177.43	-6,116.14	1,120.51	732.99	387.52	2.892		
13,800.00	6,964.31	13,953.75	7,069.71	194.39	199.91	95.41	-180.68	-6,216.07	1,119.84	726.77	393.07	2.849		
13,900.00	6,962.20	14,053.74	7,068.55	197.19	202.72	95.46	-183.94	-6,316.01	1,119.17	720.54	398.63	2.808		
14,000.00	6,960.09	14,153.74	7,067.39	200.00	205.52	95.51	-187.20	-6,415.94	1,118.51	714.32	404.19	2.767		
14,100.00	6,957.98	14,253.73	7,066.22	202.80	208.33	95.57	-190.45	-6,515.87	1,117.84	708.09	409.75	2.728		
14,200.00	6,955.87	14,353.72	7,065.06	205.61	211.14	95.62	-193.71	-6,615.81	1,117.17	701.87	415.31	2.690		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,953.76	14,453.71	7,063.90	208.42	213.95	95.67	-196.96	-6,715.74	1,116.51	695.64	420.87	2.653		
14,400.00	6,951.66	14,553.71	7,062.74	211.23	216.76	95.72	-200.22	-6,815.67	1,115.84	689.42	426.43	2.617		
14,500.00	6,949.55	14,653.70	7,061.57	214.04	219.57	95.77	-203.48	-6,915.60	1,115.18	683.19	431.99	2.581		
14,600.00	6,947.44	14,753.69	7,060.41	216.85	222.38	95.83	-206.73	-7,015.54	1,114.52	676.97	437.55	2.547		
14,700.00	6,945.33	14,853.69	7,059.25	219.66	225.19	95.88	-209.99	-7,115.47	1,113.86	670.74	443.12	2.514		
14,800.00	6,943.22	14,953.68	7,058.08	222.48	228.00	95.93	-213.25	-7,215.40	1,113.20	664.52	448.68	2.481		
14,900.00	6,941.11	15,053.67	7,056.92	225.29	230.81	95.98	-216.50	-7,315.34	1,112.54	658.30	454.24	2.449		
15,000.00	6,939.01	15,153.66	7,055.76	228.11	233.63	96.04	-219.76	-7,415.27	1,111.88	652.08	459.80	2.418		
15,100.00	6,936.90	15,253.66	7,054.59	230.92	236.44	96.09	-223.02	-7,515.20	1,111.22	645.86	465.37	2.388		
15,200.00	6,934.79	15,353.65	7,053.43	233.74	239.26	96.14	-226.27	-7,615.13	1,110.57	639.64	470.93	2.358		
15,300.00	6,932.68	15,453.64	7,052.27	236.56	242.08	96.19	-229.53	-7,715.07	1,109.91	633.42	476.49	2.329		
15,400.00	6,930.57	15,553.63	7,051.10	239.37	244.89	96.25	-232.79	-7,815.00	1,109.26	627.20	482.06	2.301		
15,500.00	6,928.46	15,648.52	7,050.00	242.19	247.57	96.30	-235.88	-7,909.83	1,108.62	621.14	487.48	2.274		
15,502.14	6,928.42	15,648.52	7,050.00	242.25	247.57	96.30	-235.88	-7,909.83	1,108.61	621.08	487.53	2.274		
15,521.99	6,928.00	15,648.52	7,050.00	242.81	247.57	96.30	-235.88	-7,909.83	1,108.79	620.83	487.96	2.272 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5.68	89.62	8.91	90.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	89.62	8.91	90.06	83.49	6.57	13.710		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	89.62	8.91	90.06	83.39	6.67	13.495 CC, ES		
300.00	299.98	298.77	298.75	3.44	3.44	-140.63	90.12	10.54	92.08	85.20	6.88	13.376		
400.00	399.84	397.28	397.13	3.59	3.60	-139.72	91.59	15.41	98.14	90.94	7.20	13.637		
500.00	499.45	495.29	494.77	3.79	3.80	-138.42	94.03	23.46	108.26	100.65	7.61	14.228		
600.00	598.70	592.56	591.33	4.04	4.06	-136.95	97.41	34.61	122.44	114.33	8.11	15.092		
700.00	697.47	688.85	686.48	4.32	4.36	-135.46	101.68	48.73	140.67	131.97	8.70	16.170		
773.50	769.68	758.87	755.34	4.55	4.62	-134.41	105.38	60.92	156.62	147.44	9.18	17.062		
800.00	795.65	784.21	780.17	4.64	4.71	-134.11	106.83	65.71	162.80	153.44	9.36	17.392		
900.00	893.65	881.37	875.39	5.00	5.12	-133.10	112.44	84.24	186.26	176.19	10.07	18.489		
1,000.00	991.65	978.54	970.60	5.38	5.56	-132.31	118.05	102.77	209.76	198.92	10.84	19.352		
1,100.00	1,089.66	1,075.70	1,065.82	5.78	6.03	-131.69	123.67	121.30	233.29	221.65	11.64	20.034		
1,200.00	1,187.66	1,172.87	1,161.03	6.20	6.52	-131.17	129.28	139.83	256.84	244.36	12.48	20.576		
1,300.00	1,285.66	1,270.03	1,256.25	6.63	7.02	-130.75	134.90	158.37	280.41	267.06	13.35	21.008		
1,400.00	1,383.67	1,367.19	1,351.46	7.07	7.53	-130.38	140.51	176.90	303.99	289.76	14.23	21.356		
1,500.00	1,481.67	1,464.36	1,446.68	7.51	8.06	-130.08	146.12	195.43	327.58	312.44	15.14	21.639		
1,600.00	1,579.67	1,561.52	1,541.89	7.97	8.59	-129.81	151.74	213.96	351.18	335.12	16.06	21.869		
1,700.00	1,677.67	1,658.68	1,637.11	8.43	9.13	-129.57	157.35	232.50	374.78	357.79	16.99	22.059		
1,800.00	1,775.68	1,755.85	1,732.32	8.90	9.67	-129.37	162.96	251.03	398.39	380.46	17.93	22.216		
1,900.00	1,873.68	1,853.01	1,827.53	9.37	10.22	-129.19	168.58	269.56	422.00	403.12	18.88	22.347		
2,000.00	1,971.68	1,950.18	1,922.75	9.84	10.78	-129.02	174.19	288.09	445.62	425.78	19.84	22.457		
2,100.00	2,069.69	2,047.34	2,017.96	10.32	11.34	-128.88	179.81	306.62	469.24	448.43	20.81	22.549		
2,200.00	2,167.69	2,144.50	2,113.18	10.80	11.90	-128.74	185.42	325.16	492.86	471.08	21.78	22.628		
2,300.00	2,265.69	2,241.67	2,208.39	11.28	12.46	-128.62	191.03	343.69	516.49	493.73	22.76	22.695		
2,400.00	2,363.69	2,338.83	2,303.61	11.77	13.02	-128.51	196.65	362.22	540.12	516.38	23.74	22.752		
2,500.00	2,461.70	2,435.99	2,398.82	12.25	13.59	-128.41	202.26	380.75	563.74	539.02	24.72	22.802		
2,600.00	2,559.70	2,533.16	2,494.04	12.74	14.16	-128.32	207.87	399.28	587.38	561.66	25.71	22.844		
2,700.00	2,657.70	2,630.32	2,589.25	13.23	14.73	-128.23	213.49	417.82	611.01	584.30	26.70	22.881		
2,800.00	2,755.71	2,727.49	2,684.47	13.72	15.30	-128.15	219.10	436.35	634.64	606.94	27.70	22.913		
2,900.00	2,853.71	2,824.65	2,779.68	14.21	15.88	-128.08	224.72	454.88	658.27	629.58	28.69	22.941		
3,000.00	2,951.71	2,921.81	2,874.90	14.70	16.45	-128.01	230.33	473.41	681.91	652.21	29.69	22.965		
3,100.00	3,049.71	3,018.98	2,970.11	15.20	17.03	-127.95	235.94	491.94	705.54	674.85	30.69	22.986		
3,200.00	3,147.72	3,116.14	3,065.33	15.69	17.60	-127.89	241.56	510.48	729.18	697.48	31.70	23.005		
3,300.00	3,245.72	3,213.30	3,160.54	16.19	18.18	-127.83	247.17	529.01	752.82	720.12	32.70	23.021		
3,400.00	3,343.72	3,310.47	3,255.76	16.69	18.76	-127.78	252.78	547.54	776.46	742.75	33.71	23.035		
3,500.00	3,441.73	3,407.63	3,350.97	17.18	19.34	-127.73	258.40	566.07	800.09	765.38	34.71	23.048		
3,600.00	3,539.73	3,504.80	3,446.18	17.68	19.91	-127.68	264.01	584.60	823.73	788.01	35.72	23.059		
3,700.00	3,637.73	3,601.96	3,541.40	18.18	20.49	-127.64	269.63	603.14	847.37	810.64	36.73	23.069		
3,800.00	3,735.73	3,699.12	3,636.61	18.68	21.07	-127.60	275.24	621.67	871.01	833.27	37.74	23.078		
3,900.00	3,833.74	3,803.71	3,731.83	19.18	21.70	-127.56	280.85	640.20	894.65	855.86	38.80	23.061		
4,000.00	3,931.74	3,906.55	3,827.04	19.67	22.31	-127.52	286.47	658.73	918.29	878.45	39.84	23.050		
4,100.00	4,029.74	4,009.39	3,922.26	20.17	22.93	-127.48	292.08	677.27	941.93	901.05	40.89	23.039		
4,200.00	4,127.75	4,087.78	4,017.47	20.67	23.40	-127.45	297.69	695.80	965.58	923.78	41.79	23.103		
4,300.00	4,225.75	4,184.94	4,112.69	21.18	23.98	-127.42	303.31	714.33	989.22	946.41	42.81	23.108		
4,400.00	4,323.75	4,282.11	4,207.90	21.68	24.56	-127.39	308.92	732.86	1,012.86	969.03	43.82	23.112		
4,500.00	4,421.76	4,379.27	4,303.12	22.18	25.14	-127.36	314.54	751.39	1,036.50	991.66	44.84	23.115		
4,600.00	4,519.76	4,476.43	4,398.33	22.68	25.73	-127.33	320.15	769.93	1,060.14	1,014.29	45.86	23.118		
4,700.00	4,617.76	4,591.87	4,511.68	23.18	26.40	-127.35	326.47	790.78	1,083.23	1,036.18	47.05	23.025		
4,800.00	4,715.76	4,717.01	4,635.42	23.68	27.07	-127.60	331.87	808.61	1,104.01	1,055.74	48.27	22.871		
4,900.00	4,813.77	4,842.92	4,760.62	24.18	27.65	-128.06	335.72	821.32	1,122.37	1,072.96	49.41	22.714		
5,000.00	4,911.77	4,969.12	4,886.57	24.69	28.16	-128.75	337.97	828.76	1,138.35	1,087.86	50.49	22.547		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,107.65	5,009.77	25.19	28.65	-129.61	338.62	830.91	1,152.06	1,100.53	51.53	22.356		
5,200.00	5,107.78	5,209.65	5,107.78	25.69	28.98	-130.36	338.62	830.91	1,164.99	1,112.59	52.40	22.234		
5,300.00	5,205.78	5,288.36	5,205.78	26.19	29.25	-131.09	338.62	830.91	1,178.11	1,124.93	53.18	22.153		
5,400.00	5,303.78	5,386.36	5,303.78	26.70	29.57	-131.80	338.62	830.91	1,191.42	1,137.39	54.03	22.052		
5,500.00	5,401.78	5,484.36	5,401.78	27.20	29.90	-132.50	338.62	830.91	1,204.91	1,150.04	54.88	21.957		
5,600.00	5,499.79	5,582.37	5,499.79	27.70	30.23	-133.18	338.62	830.91	1,218.58	1,162.86	55.72	21.869		
5,700.00	5,597.79	5,680.37	5,597.79	28.21	30.57	-133.85	338.62	830.91	1,232.41	1,175.85	56.57	21.786		
5,800.00	5,695.79	5,778.37	5,695.79	28.71	30.91	-134.50	338.62	830.91	1,246.41	1,189.00	57.41	21.710		
5,900.00	5,793.80	5,876.37	5,793.80	29.22	31.25	-135.14	338.62	830.91	1,260.57	1,202.32	58.26	21.638		
6,000.00	5,891.80	5,974.38	5,891.80	29.72	31.59	-135.76	338.62	830.91	1,274.88	1,215.78	59.10	21.572		
6,100.00	5,989.80	6,072.38	5,989.80	30.22	31.93	-136.37	338.62	830.91	1,289.34	1,229.40	59.94	21.509		
6,200.00	6,087.80	6,170.38	6,087.80	30.73	32.28	-136.97	338.62	830.91	1,303.94	1,243.16	60.79	21.452		
6,300.00	6,185.81	6,268.39	6,185.81	31.23	32.62	-137.55	338.62	830.91	1,318.68	1,257.06	61.63	21.398		
6,400.00	6,283.81	6,366.39	6,283.81	31.74	32.97	-138.12	338.62	830.91	1,333.56	1,271.09	62.47	21.348		
6,500.00	6,381.81	6,464.39	6,381.81	32.24	33.33	-138.68	338.62	830.91	1,348.56	1,285.25	63.31	21.301		
6,520.79	6,402.19	6,489.56	6,406.98	32.35	33.41	-138.83	338.62	830.76	1,351.68	1,288.17	63.51	21.284		
6,550.00	6,430.87	6,533.47	6,450.82	32.49	33.54	-151.90	338.52	828.32	1,355.94	1,292.14	63.80	21.253		
6,600.00	6,480.12	6,607.25	6,523.74	32.72	33.72	-178.46	338.07	817.44	1,363.04	1,298.81	64.23	21.222		
6,650.00	6,529.30	6,679.02	6,593.02	32.93	33.84	157.14	337.32	798.84	1,369.90	1,305.32	64.58	21.213		
6,700.00	6,578.09	6,748.61	6,657.78	33.12	33.93	139.87	336.28	773.48	1,376.51	1,311.64	64.88	21.218		
6,750.00	6,626.21	6,815.90	6,717.40	33.30	34.00	128.40	335.01	742.38	1,382.90	1,317.76	65.14	21.229		
6,800.00	6,673.34	6,880.87	6,771.55	33.46	34.06	120.46	333.55	706.55	1,389.08	1,323.68	65.40	21.240		
6,850.00	6,719.21	6,943.54	6,820.06	33.61	34.12	114.63	331.94	666.94	1,395.03	1,329.37	65.67	21.244		
6,900.00	6,763.53	7,003.99	6,862.93	33.75	34.21	110.09	330.21	624.41	1,400.78	1,334.82	65.96	21.237		
6,950.00	6,806.03	7,062.31	6,900.29	33.89	34.33	106.42	328.38	579.69	1,406.30	1,340.01	66.29	21.214		
7,000.00	6,846.44	7,118.62	6,932.34	34.02	34.49	103.34	326.50	533.45	1,411.58	1,344.92	66.66	21.174		
7,050.00	6,884.52	7,173.05	6,959.31	34.15	34.70	100.71	324.58	486.23	1,416.62	1,349.53	67.09	21.115		
7,100.00	6,920.03	7,225.74	6,981.49	34.27	34.96	98.41	322.63	438.49	1,421.38	1,353.81	67.57	21.035		
7,150.00	6,952.75	7,276.81	6,999.14	34.40	35.27	96.38	320.68	390.62	1,425.85	1,357.74	68.12	20.933		
7,200.00	6,982.48	7,326.39	7,012.55	34.54	35.63	94.59	318.74	342.93	1,430.00	1,361.28	68.72	20.809		
7,250.00	7,009.04	7,374.61	7,021.99	34.70	36.03	92.99	316.81	295.70	1,433.80	1,364.41	69.39	20.664		
7,300.00	7,032.26	7,421.57	7,027.72	34.87	36.47	91.56	314.91	249.14	1,437.22	1,367.10	70.11	20.498		
7,350.00	7,052.00	7,467.38	7,029.99	35.08	36.94	90.30	313.05	203.43	1,440.23	1,369.33	70.90	20.313		
7,400.00	7,068.14	7,513.87	7,029.63	35.34	37.47	89.18	311.16	156.99	1,442.79	1,371.00	71.79	20.098		
7,450.00	7,080.57	7,562.11	7,029.04	35.65	38.09	88.31	309.19	108.80	1,444.75	1,371.95	72.80	19.844		
7,500.00	7,089.23	7,611.22	7,028.43	36.01	38.75	87.70	307.19	59.73	1,446.01	1,372.10	73.91	19.564		
7,550.00	7,094.06	7,660.91	7,027.82	36.44	39.50	87.37	305.17	10.08	1,446.48	1,371.31	75.17	19.242		
7,601.12	7,095.00	7,711.98	7,027.19	36.93	40.30	87.33	303.09	-40.95	1,446.09	1,369.55	76.55	18.892		
7,700.00	7,092.92	7,810.85	7,025.97	38.05	42.04	87.36	299.07	-139.72	1,444.50	1,364.97	79.53	18.163		
7,800.00	7,090.81	7,910.84	7,024.73	39.40	43.97	87.39	295.00	-239.62	1,442.88	1,359.99	82.90	17.406		
7,900.00	7,088.70	8,010.82	7,023.50	40.93	46.06	87.43	290.93	-339.51	1,441.27	1,354.70	86.57	16.649		
8,000.00	7,086.59	8,110.80	7,022.27	42.61	48.29	87.46	286.85	-439.40	1,439.65	1,349.14	90.51	15.906		
8,100.00	7,084.49	8,210.79	7,021.03	44.41	50.64	87.49	282.78	-539.30	1,438.04	1,343.35	94.69	15.187		
8,200.00	7,082.38	8,310.77	7,019.80	46.33	53.09	87.52	278.71	-639.19	1,436.43	1,337.35	99.07	14.499		
8,300.00	7,080.27	8,410.75	7,018.57	48.34	55.64	87.55	274.64	-739.08	1,434.81	1,331.17	103.64	13.844		
8,400.00	7,078.16	8,510.74	7,017.33	50.43	58.26	87.59	270.57	-838.98	1,433.20	1,324.84	108.36	13.226		
8,500.00	7,076.05	8,610.72	7,016.10	52.59	60.94	87.62	266.50	-938.87	1,431.59	1,318.36	113.23	12.644		
8,600.00	7,073.94	8,710.71	7,014.87	54.82	63.69	87.65	262.43	-1,038.76	1,429.98	1,311.77	118.21	12.097		
8,700.00	7,071.84	8,810.69	7,013.63	57.10	66.49	87.68	258.36	-1,138.66	1,428.37	1,305.07	123.30	11.585		
8,800.00	7,069.73	8,910.67	7,012.40	59.44	69.34	87.72	254.29	-1,238.55	1,426.75	1,298.27	128.48	11.105		
8,900.00	7,067.62	9,010.66	7,011.17	61.81	72.22	87.75	250.22	-1,338.44	1,425.14	1,291.39	133.75	10.655		
9,000.00	7,065.51	9,110.64	7,009.93	64.23	75.14	87.78	246.15	-1,438.34	1,423.53	1,284.44	139.09	10.235		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	7,063.40	9,210.62	7,008.70	66.68	78.10	87.81	242.07	-1,538.23	1,421.93	1,277.43	144.50	9.841		
9,200.00	7,061.29	9,310.61	7,007.47	69.15	81.08	87.85	238.00	-1,638.12	1,420.32	1,270.35	149.96	9.471		
9,300.00	7,059.18	9,410.59	7,006.23	71.66	84.08	87.88	233.93	-1,738.02	1,418.71	1,263.23	155.48	9.125		
9,400.00	7,057.08	9,510.58	7,005.00	74.19	87.11	87.91	229.86	-1,837.91	1,417.10	1,256.06	161.04	8.800		
9,500.00	7,054.97	9,610.56	7,003.77	76.75	90.16	87.95	225.79	-1,937.80	1,415.49	1,248.84	166.65	8.494		
9,600.00	7,052.86	9,710.54	7,002.53	79.32	93.23	87.98	221.72	-2,037.69	1,413.89	1,241.59	172.29	8.206		
9,700.00	7,050.75	9,810.53	7,001.30	81.91	96.31	88.01	217.65	-2,137.59	1,412.28	1,234.31	177.97	7.935		
9,800.00	7,048.64	9,910.51	7,000.06	84.52	99.41	88.05	213.58	-2,237.48	1,410.67	1,226.99	183.68	7.680		
9,900.00	7,046.53	10,010.49	6,998.83	87.14	102.52	88.08	209.51	-2,337.37	1,409.07	1,219.64	189.42	7.439		
10,000.00	7,044.43	10,110.48	6,997.60	89.78	105.65	88.11	205.44	-2,437.27	1,407.46	1,212.27	195.19	7.211		
10,100.00	7,042.32	10,210.46	6,996.36	92.43	108.78	88.15	201.37	-2,537.16	1,405.86	1,204.88	200.98	6.995		
10,200.00	7,040.21	10,310.45	6,995.13	95.09	111.93	88.18	197.29	-2,637.05	1,404.25	1,197.47	206.79	6.791		
10,300.00	7,038.10	10,410.43	6,993.90	97.76	115.08	88.21	193.22	-2,736.95	1,402.65	1,190.03	212.62	6.597		
10,400.00	7,035.99	10,510.41	6,992.66	100.44	118.25	88.25	189.15	-2,836.84	1,401.05	1,182.58	218.47	6.413		
10,500.00	7,033.88	10,610.40	6,991.43	103.13	121.42	88.28	185.08	-2,936.73	1,399.44	1,175.11	224.33	6.238		
10,600.00	7,031.78	10,710.38	6,990.20	105.82	124.60	88.31	181.01	-3,036.63	1,397.84	1,167.63	230.22	6.072		
10,700.00	7,029.67	10,810.36	6,988.96	108.53	127.79	88.35	176.94	-3,136.52	1,396.24	1,160.13	236.11	5.913		
10,800.00	7,027.56	10,910.35	6,987.73	111.24	130.98	88.38	172.87	-3,236.41	1,394.64	1,152.62	242.02	5.762		
10,900.00	7,025.45	11,010.33	6,986.50	113.96	134.18	88.42	168.80	-3,336.31	1,393.04	1,145.09	247.95	5.618		
11,000.00	7,023.34	11,110.32	6,985.26	116.68	137.39	88.45	164.73	-3,436.20	1,391.44	1,137.56	253.88	5.481		
11,100.00	7,021.23	11,210.30	6,984.03	119.41	140.60	88.48	160.66	-3,536.09	1,389.84	1,130.01	259.82	5.349		
11,200.00	7,019.13	11,310.28	6,982.80	122.15	143.81	88.52	156.59	-3,635.99	1,388.24	1,122.46	265.78	5.223		
11,300.00	7,017.02	11,410.27	6,981.56	124.89	147.03	88.55	152.52	-3,735.88	1,386.64	1,114.90	271.74	5.103		
11,400.00	7,014.91	11,510.25	6,980.33	127.63	150.25	88.59	148.44	-3,835.77	1,385.04	1,107.33	277.72	4.987		
11,500.00	7,012.80	11,610.23	6,979.10	130.38	153.48	88.62	144.37	-3,935.67	1,383.45	1,099.75	283.70	4.876		
11,600.00	7,010.69	11,710.22	6,977.86	133.14	156.71	88.66	140.30	-4,035.56	1,381.85	1,092.16	289.69	4.770		
11,700.00	7,008.58	11,810.20	6,976.63	135.89	159.95	88.69	136.23	-4,135.45	1,380.25	1,084.57	295.69	4.668		
11,800.00	7,006.47	11,910.18	6,975.40	138.65	163.19	88.73	132.16	-4,235.35	1,378.66	1,076.97	301.69	4.570		
11,900.00	7,004.37	12,010.17	6,974.16	141.42	166.43	88.76	128.09	-4,335.24	1,377.06	1,069.36	307.70	4.475		
12,000.00	7,002.26	12,110.15	6,972.93	144.19	169.67	88.80	124.02	-4,435.13	1,375.46	1,061.75	313.72	4.384		
12,100.00	7,000.15	12,210.14	6,971.69	146.96	172.92	88.83	119.95	-4,535.03	1,373.87	1,054.13	319.74	4.297		
12,200.00	6,998.04	12,310.12	6,970.46	149.73	176.17	88.87	115.88	-4,634.92	1,372.28	1,046.51	325.76	4.212		
12,300.00	6,995.93	12,410.10	6,969.23	152.51	179.42	88.90	111.81	-4,734.81	1,370.68	1,038.89	331.80	4.131		
12,400.00	6,993.82	12,510.09	6,967.99	155.28	182.67	88.94	107.74	-4,834.70	1,369.09	1,031.26	337.83	4.053		
12,500.00	6,991.72	12,610.07	6,966.76	158.06	185.93	88.97	103.66	-4,934.60	1,367.50	1,023.62	343.88	3.977		
12,600.00	6,989.61	12,710.05	6,965.53	160.85	189.19	89.01	99.59	-5,034.49	1,365.90	1,015.98	349.92	3.903		
12,700.00	6,987.50	12,810.04	6,964.29	163.63	192.45	89.04	95.52	-5,134.38	1,364.31	1,008.34	355.97	3.833		
12,800.00	6,985.39	12,910.02	6,963.06	166.42	195.71	89.08	91.45	-5,234.28	1,362.72	1,000.70	362.03	3.764		
12,900.00	6,983.28	13,010.01	6,961.83	169.21	198.98	89.12	87.38	-5,334.17	1,361.13	993.05	368.08	3.698		
13,000.00	6,981.17	13,109.99	6,960.59	172.00	202.24	89.15	83.31	-5,434.06	1,359.54	985.40	374.15	3.634		
13,100.00	6,979.07	13,209.97	6,959.36	174.79	205.51	89.19	79.24	-5,533.96	1,357.95	977.74	380.21	3.572		
13,200.00	6,976.96	13,309.96	6,958.13	177.59	208.78	89.22	75.17	-5,633.85	1,356.36	970.09	386.28	3.511		
13,300.00	6,974.85	13,409.94	6,956.89	180.38	212.05	89.26	71.10	-5,733.74	1,354.78	962.43	392.35	3.453		
13,400.00	6,972.74	13,509.92	6,955.66	183.18	215.32	89.30	67.03	-5,833.64	1,353.19	954.77	398.42	3.396		
13,500.00	6,970.63	13,609.91	6,954.43	185.98	218.59	89.33	62.96	-5,933.53	1,351.60	947.10	404.50	3.341		
13,600.00	6,968.52	13,709.89	6,953.19	188.78	221.87	89.37	58.89	-6,033.42	1,350.01	939.44	410.58	3.288		
13,700.00	6,966.41	13,809.88	6,951.96	191.58	225.14	89.40	54.81	-6,133.32	1,348.43	931.77	416.66	3.236		
13,800.00	6,964.31	13,909.86	6,950.73	194.39	228.42	89.44	50.74	-6,233.21	1,346.84	924.10	422.74	3.186		
13,900.00	6,962.20	14,009.84	6,949.49	197.19	231.70	89.48	46.67	-6,333.10	1,345.26	916.43	428.83	3.137		
14,000.00	6,960.09	14,109.83	6,948.26	200.00	234.98	89.51	42.60	-6,433.00	1,343.67	908.76	434.92	3.089		
14,100.00	6,957.98	14,209.81	6,947.03	202.80	238.26	89.55	38.53	-6,532.89	1,342.09	901.08	441.01	3.043		
14,200.00	6,955.87	14,309.79	6,945.79	205.61	241.54	89.59	34.46	-6,632.78	1,340.51	893.41	447.10	2.998		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,953.76	14,409.78	6,944.56	208.42	244.82	89.63	30.39	-6,732.68	1,338.92	885.73	453.19	2.954		
14,400.00	6,951.66	14,509.76	6,943.33	211.23	248.10	89.66	26.32	-6,832.57	1,337.34	878.05	459.29	2.912		
14,500.00	6,949.55	14,609.75	6,942.09	214.04	251.39	89.70	22.25	-6,932.46	1,335.76	870.37	465.39	2.870		
14,600.00	6,947.44	14,709.73	6,940.86	216.85	254.67	89.74	18.18	-7,032.36	1,334.18	862.69	471.49	2.830		
14,700.00	6,945.33	14,809.71	6,939.62	219.66	257.96	89.77	14.11	-7,132.25	1,332.60	855.01	477.59	2.790		
14,800.00	6,943.22	14,909.70	6,938.39	222.48	261.24	89.81	10.03	-7,232.14	1,331.02	847.33	483.69	2.752		
14,900.00	6,941.11	15,009.68	6,937.16	225.29	264.53	89.85	5.96	-7,332.04	1,329.44	839.65	489.79	2.714		
15,000.00	6,939.01	15,109.66	6,935.92	228.11	267.82	89.89	1.89	-7,431.93	1,327.86	831.96	495.90	2.678		
15,100.00	6,936.90	15,209.65	6,934.69	230.92	271.11	89.92	-2.18	-7,531.82	1,326.28	824.28	502.00	2.642		
15,200.00	6,934.79	15,309.63	6,933.46	233.74	274.39	89.96	-6.25	-7,631.72	1,324.70	816.59	508.11	2.607		
15,300.00	6,932.68	15,409.62	6,932.22	236.56	277.68	90.00	-10.32	-7,731.61	1,323.13	808.91	514.22	2.573		
15,400.00	6,930.57	15,509.60	6,930.99	239.37	280.97	90.04	-14.39	-7,831.50	1,321.55	801.22	520.33	2.540		
15,500.00	6,928.46	15,589.88	6,930.00	242.19	283.62	90.07	-17.66	-7,911.71	1,320.12	794.32	525.80	2.511		
15,501.10	6,928.44	15,589.88	6,930.00	242.22	283.62	90.07	-17.66	-7,911.71	1,320.12	794.29	525.83	2.511		
15,521.99	6,928.00	15,589.88	6,930.00	242.81	283.62	90.07	-17.66	-7,911.71	1,320.28	793.99	526.29	2.509 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6.38	14.94	1.67	15.03					
100.00	100.00	100.00	100.00	3.28	3.28	6.38	14.94	1.67	15.03	8.46	6.57	2.288		
200.00	200.00	200.00	200.00	3.34	3.34	6.38	14.94	1.67	15.03	8.36	6.67	2.253 CC		
300.00	299.98	299.98	299.98	3.44	3.44	-144.13	14.94	1.67	16.41	9.53	6.89	2.384		
400.00	399.84	400.37	400.35	3.59	3.60	-149.40	13.68	2.89	19.53	12.34	7.19	2.715		
500.00	499.45	500.88	500.71	3.79	3.79	-151.80	9.88	6.56	23.11	15.51	7.60	3.042		
600.00	598.70	601.49	600.93	4.04	4.03	-152.36	3.54	12.68	27.05	18.96	8.09	3.343		
700.00	697.47	702.20	700.88	4.32	4.30	-151.74	-5.34	21.25	31.31	22.66	8.66	3.617		
773.50	769.68	776.28	774.09	4.55	4.53	-150.79	-13.47	29.11	34.67	25.55	9.12	3.803		
800.00	795.65	802.89	800.31	4.64	4.61	-150.32	-16.71	32.23	35.84	26.56	9.29	3.860		
900.00	893.65	902.78	898.75	5.00	4.95	-148.69	-28.94	44.04	40.19	30.25	9.94	4.043		
1,000.00	991.65	1,002.68	997.20	5.38	5.31	-147.38	-41.17	55.86	44.57	33.93	10.64	4.187		
1,100.00	1,089.66	1,102.58	1,095.64	5.78	5.69	-146.31	-53.40	67.67	48.97	37.58	11.39	4.301		
1,200.00	1,187.66	1,202.48	1,194.08	6.20	6.09	-145.41	-65.63	79.48	53.38	41.22	12.16	4.391		
1,300.00	1,285.66	1,302.38	1,292.52	6.63	6.50	-144.65	-77.87	91.29	57.80	44.85	12.96	4.462		
1,400.00	1,383.67	1,402.28	1,390.96	7.07	6.92	-144.00	-90.10	103.10	62.23	48.46	13.77	4.518		
1,500.00	1,481.67	1,502.18	1,489.40	7.51	7.35	-143.43	-102.33	114.92	66.67	52.06	14.61	4.563		
1,600.00	1,579.67	1,602.08	1,587.85	7.97	7.78	-142.93	-114.56	126.73	71.12	55.65	15.46	4.600		
1,700.00	1,677.67	1,701.98	1,686.29	8.43	8.23	-142.50	-126.79	138.54	75.56	59.24	16.33	4.629		
1,800.00	1,775.68	1,801.88	1,784.73	8.90	8.67	-142.11	-139.02	150.35	80.02	62.82	17.20	4.652		
1,900.00	1,873.68	1,901.78	1,883.17	9.37	9.12	-141.76	-151.25	162.16	84.47	66.39	18.08	4.672		
2,000.00	1,971.68	2,001.68	1,981.61	9.84	9.58	-141.45	-163.49	173.98	88.93	69.96	18.97	4.687		
2,100.00	2,069.69	2,101.58	2,080.05	10.32	10.04	-141.17	-175.72	185.79	93.39	73.52	19.87	4.700		
2,200.00	2,167.69	2,201.48	2,178.50	10.80	10.50	-140.91	-187.95	197.60	97.86	77.08	20.77	4.711		
2,300.00	2,265.69	2,301.38	2,276.94	11.28	10.96	-140.67	-200.18	209.41	102.32	80.64	21.68	4.719		
2,400.00	2,363.69	2,401.28	2,375.38	11.77	11.43	-140.46	-212.41	221.22	106.79	84.19	22.59	4.726		
2,500.00	2,461.70	2,501.18	2,473.82	12.25	11.89	-140.26	-224.64	233.03	111.25	87.74	23.51	4.732		
2,600.00	2,559.70	2,601.08	2,572.26	12.74	12.36	-140.08	-236.88	244.85	115.72	91.29	24.43	4.737		
2,700.00	2,657.70	2,700.97	2,670.70	13.23	12.83	-139.91	-249.11	256.66	120.19	94.84	25.35	4.740		
2,800.00	2,755.71	2,800.87	2,769.15	13.72	13.31	-139.75	-261.34	268.47	124.66	98.38	26.28	4.743		
2,900.00	2,853.71	2,900.77	2,867.59	14.21	13.78	-139.61	-273.57	280.28	129.14	101.93	27.21	4.746		
3,000.00	2,951.71	3,000.67	2,966.03	14.70	14.25	-139.47	-285.80	292.09	133.61	105.47	28.14	4.748		
3,100.00	3,049.71	3,100.57	3,064.47	15.20	14.73	-139.34	-298.03	303.91	138.08	109.01	29.07	4.749		
3,200.00	3,147.72	3,200.47	3,162.91	15.69	15.21	-139.23	-310.26	315.72	142.56	112.55	30.01	4.750		
3,300.00	3,245.72	3,300.37	3,261.35	16.19	15.68	-139.11	-322.50	327.53	147.03	116.09	30.95	4.751		
3,400.00	3,343.72	3,400.27	3,359.80	16.69	16.16	-139.01	-334.73	339.34	151.51	119.62	31.88	4.752		
3,500.00	3,441.73	3,500.17	3,458.24	17.18	16.64	-138.91	-346.96	351.15	155.98	123.16	32.82	4.752		
3,600.00	3,539.73	3,600.07	3,556.68	17.68	17.12	-138.81	-359.19	362.96	160.46	126.69	33.76	4.752		
3,700.00	3,637.73	3,700.03	3,655.12	18.18	17.60	-138.73	-371.42	374.78	164.93	130.23	34.71	4.752		
3,800.00	3,735.73	3,800.13	3,753.56	18.68	18.08	-138.64	-383.65	386.59	169.41	133.76	35.65	4.752		
3,900.00	3,833.74	3,899.77	3,852.00	19.18	18.56	-138.56	-395.89	398.40	173.89	137.29	36.59	4.752		
4,000.00	3,931.74	4,000.33	3,950.45	19.67	19.04	-138.49	-408.12	410.21	178.37	140.82	37.54	4.751		
4,100.00	4,029.74	4,100.43	4,048.89	20.17	19.52	-138.41	-420.35	422.02	182.84	144.35	38.49	4.751		
4,200.00	4,127.75	4,199.47	4,147.33	20.67	20.00	-138.35	-432.58	433.84	187.32	147.89	39.43	4.751		
4,300.00	4,225.75	4,300.63	4,245.77	21.18	20.49	-138.28	-444.81	445.65	191.80	151.41	40.38	4.749		
4,400.00	4,323.75	4,400.73	4,344.21	21.68	20.97	-138.22	-457.04	457.46	196.28	154.94	41.33	4.749		
4,500.00	4,421.76	4,500.84	4,442.65	22.18	21.46	-138.16	-469.27	469.27	200.76	158.47	42.28	4.748		
4,600.00	4,519.76	4,599.06	4,541.10	22.68	21.93	-138.10	-481.51	481.08	205.24	162.01	43.23	4.748		
4,700.00	4,617.76	4,698.96	4,639.54	23.18	22.42	-138.05	-493.74	492.90	209.71	165.54	44.18	4.747		
4,800.00	4,715.76	4,801.14	4,737.98	23.68	22.91	-138.00	-505.97	504.71	214.19	169.06	45.14	4.745		
4,900.00	4,813.77	4,901.24	4,836.42	24.18	23.40	-137.94	-518.20	516.52	218.67	172.59	46.09	4.745		
5,000.00	4,911.77	5,001.34	4,934.86	24.69	23.88	-137.90	-530.43	528.33	223.15	176.11	47.04	4.744		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,101.44	5,033.30	25.19	24.37	-137.85	-542.66	540.14	227.63	179.64	47.99	4.743		
5,200.00	5,107.78	5,201.54	5,131.75	25.69	24.85	-137.81	-554.90	551.95	232.11	183.17	48.95	4.742		
5,300.00	5,205.78	5,298.36	5,230.19	26.19	25.32	-137.76	-567.13	563.77	236.59	186.71	49.89	4.743		
5,400.00	5,303.78	5,401.74	5,328.63	26.70	25.82	-137.72	-579.36	575.58	241.07	190.22	50.86	4.740		
5,500.00	5,401.78	5,501.84	5,427.07	27.20	26.31	-137.68	-591.59	587.39	245.55	193.74	51.81	4.740		
5,600.00	5,499.79	5,601.94	5,525.51	27.70	26.80	-137.64	-603.82	599.20	250.03	197.27	52.76	4.739		
5,700.00	5,597.79	5,702.04	5,623.95	28.21	27.28	-137.61	-616.05	611.01	254.51	200.80	53.72	4.738		
5,800.00	5,695.79	5,802.14	5,722.40	28.71	27.77	-137.57	-628.28	622.83	259.00	204.32	54.67	4.737		
5,900.00	5,793.80	5,902.24	5,820.84	29.22	28.26	-137.54	-640.52	634.64	263.48	207.85	55.63	4.736		
6,000.00	5,891.80	5,997.66	5,919.28	29.72	28.72	-137.50	-652.75	646.45	267.96	211.39	56.56	4.737		
6,100.00	5,989.80	6,102.44	6,017.72	30.22	29.23	-137.47	-664.98	658.26	272.44	214.90	57.54	4.735		
6,200.00	6,087.80	6,202.54	6,116.16	30.73	29.72	-137.44	-677.21	670.07	276.92	218.42	58.50	4.734		
6,300.00	6,185.81	6,302.65	6,214.61	31.23	30.20	-137.41	-689.44	681.88	281.40	221.94	59.46	4.733		
6,400.00	6,283.81	6,402.75	6,313.05	31.74	30.69	-137.38	-701.67	693.70	285.88	225.47	60.41	4.732		
6,500.00	6,381.81	6,497.15	6,411.49	32.24	31.15	-137.35	-713.91	705.51	290.36	229.02	61.34	4.733		
6,520.79	6,402.19	6,517.93	6,431.96	32.35	31.25	-137.35	-716.45	707.96	291.29	229.75	61.54	4.733		
6,550.00	6,430.87	6,547.09	6,460.69	32.49	31.39	-149.72	-720.02	711.41	292.74	230.91	61.83	4.735		
6,600.00	6,480.12	6,598.29	6,511.17	32.72	31.64	-174.51	-726.30	717.27	295.81	233.47	62.34	4.745		
6,650.00	6,529.30	6,653.39	6,565.75	32.93	31.89	163.09	-733.16	720.05	299.12	236.28	62.84	4.760		
6,700.00	6,578.09	6,709.02	6,620.88	33.12	32.12	147.77	-740.20	718.02	302.41	239.14	63.27	4.779		
6,750.00	6,626.21	6,765.16	6,676.11	33.30	32.32	138.16	-747.36	711.07	305.65	242.00	63.64	4.803		
6,800.00	6,673.34	6,821.76	6,730.94	33.46	32.51	132.00	-754.59	699.12	308.78	244.83	63.95	4.828		
6,850.00	6,719.21	6,878.78	6,784.88	33.61	32.70	127.82	-761.80	682.17	311.77	247.56	64.21	4.856		
6,900.00	6,763.53	6,936.17	6,837.41	33.75	32.88	124.84	-768.95	660.26	314.59	250.17	64.42	4.883		
6,950.00	6,806.03	6,993.85	6,888.02	33.89	33.06	122.58	-775.97	633.53	317.21	252.59	64.61	4.909		
7,000.00	6,846.44	7,051.76	6,936.19	34.02	33.23	120.79	-782.77	602.14	319.59	254.80	64.80	4.932		
7,050.00	6,884.52	7,109.83	6,981.44	34.15	33.42	119.30	-789.30	566.37	321.72	256.73	64.99	4.950		
7,100.00	6,920.03	7,167.99	7,023.31	34.27	33.61	118.00	-795.50	526.52	323.58	258.35	65.23	4.961		
7,150.00	6,952.75	7,226.16	7,061.40	34.40	33.82	116.83	-801.29	482.97	325.16	259.62	65.54	4.961		
7,200.00	6,982.48	7,284.25	7,095.34	34.54	34.06	115.74	-806.63	436.14	326.45	260.51	65.94	4.951		
7,250.00	7,009.04	7,342.21	7,124.83	34.70	34.34	114.70	-811.47	386.51	327.46	261.00	66.46	4.927		
7,300.00	7,032.26	7,399.94	7,149.62	34.87	34.67	113.69	-815.76	334.57	328.18	261.07	67.11	4.890		
7,350.00	7,052.00	7,457.39	7,169.56	35.08	35.06	112.69	-819.48	280.84	328.63	260.72	67.91	4.839		
7,400.00	7,068.14	7,514.48	7,184.52	35.34	35.50	111.70	-822.59	225.85	328.82	259.96	68.86	4.775		
7,450.00	7,080.57	7,571.17	7,194.48	35.65	36.01	110.72	-825.09	170.12	328.76	258.82	69.94	4.701		
7,500.00	7,089.23	7,627.39	7,199.46	36.01	36.56	109.73	-826.95	114.17	328.48	257.34	71.14	4.617		
7,550.00	7,094.06	7,681.54	7,199.75	36.44	37.14	108.81	-828.19	60.05	328.04	255.60	72.44	4.529		
7,576.60	7,095.06	7,708.10	7,199.27	36.69	37.45	108.53	-828.71	33.50	327.95	254.83	73.11	4.485		
7,601.12	7,095.00	7,732.61	7,198.82	36.93	37.76	108.45	-829.20	9.00	328.02	254.30	73.72	4.449		
7,700.00	7,092.92	7,831.49	7,197.03	38.05	39.07	108.47	-831.15	-89.85	328.60	252.34	76.26	4.309		
7,800.00	7,090.81	7,931.48	7,195.21	39.40	40.57	108.49	-833.13	-189.81	329.18	250.08	79.11	4.161		
7,900.00	7,088.70	8,031.48	7,193.39	40.93	42.21	108.51	-835.10	-289.77	329.77	247.55	82.22	4.011		
8,000.00	7,086.59	8,131.48	7,191.58	42.61	43.98	108.53	-837.08	-389.73	330.35	244.79	85.56	3.861		
8,100.00	7,084.49	8,231.48	7,189.76	44.41	45.86	108.55	-839.05	-489.70	330.94	241.83	89.10	3.714		
8,200.00	7,082.38	8,331.48	7,187.94	46.33	47.85	108.56	-841.03	-589.66	331.52	238.69	92.83	3.571		
8,300.00	7,080.27	8,431.48	7,186.12	48.34	49.91	108.58	-843.01	-689.62	332.11	235.39	96.72	3.434		
8,400.00	7,078.16	8,531.47	7,184.31	50.43	52.06	108.60	-844.98	-789.58	332.69	231.95	100.74	3.302		
8,500.00	7,076.05	8,631.47	7,182.49	52.59	54.26	108.62	-846.96	-889.54	333.28	228.38	104.90	3.177		
8,600.00	7,073.94	8,731.47	7,180.67	54.82	56.53	108.64	-848.94	-989.51	333.86	224.70	109.16	3.058		
8,700.00	7,071.84	8,831.47	7,178.86	57.10	58.85	108.66	-850.91	-1,089.47	334.45	220.93	113.52	2.946		
8,800.00	7,069.73	8,931.47	7,177.04	59.44	61.21	108.68	-852.89	-1,189.43	335.03	217.06	117.97	2.840		
8,900.00	7,067.62	9,031.47	7,175.22	61.81	63.61	108.70	-854.86	-1,289.39	335.62	213.12	122.49	2.740		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	9,131.46	7,173.40	64.23	66.05	108.72	-856.84	-1,389.35	336.20	209.11	127.09	2.645		
9,100.00	7,063.40	9,231.46	7,171.59	66.68	68.52	108.73	-858.82	-1,489.32	336.79	205.04	131.74	2.556		
9,200.00	7,061.29	9,331.46	7,169.77	69.15	71.02	108.75	-860.79	-1,589.28	337.37	200.92	136.45	2.472		
9,300.00	7,059.18	9,431.46	7,167.95	71.66	73.54	108.77	-862.77	-1,689.24	337.96	196.74	141.21	2.393		
9,400.00	7,057.08	9,531.46	7,166.14	74.19	76.09	108.79	-864.74	-1,789.20	338.54	192.53	146.02	2.319		
9,500.00	7,054.97	9,631.45	7,164.32	76.75	78.66	108.81	-866.72	-1,889.17	339.13	188.27	150.86	2.248		
9,600.00	7,052.86	9,731.45	7,162.50	79.32	81.24	108.83	-868.70	-1,989.13	339.71	183.97	155.74	2.181		
9,700.00	7,050.75	9,831.45	7,160.68	81.91	83.85	108.84	-870.67	-2,089.09	340.30	179.64	160.66	2.118		
9,800.00	7,048.64	9,931.45	7,158.87	84.52	86.46	108.86	-872.65	-2,189.05	340.88	175.28	165.60	2.058		
9,900.00	7,046.53	10,031.45	7,157.05	87.14	89.10	108.88	-874.63	-2,289.01	341.47	170.90	170.57	2.002		
10,000.00	7,044.43	10,131.45	7,155.23	89.78	91.74	108.90	-876.60	-2,388.98	342.06	166.49	175.57	1.948		
10,100.00	7,042.32	10,231.44	7,153.42	92.43	94.40	108.92	-878.58	-2,488.94	342.64	162.05	180.59	1.897		
10,200.00	7,040.21	10,331.44	7,151.60	95.09	97.07	108.93	-880.55	-2,588.90	343.23	157.60	185.63	1.849		
10,300.00	7,038.10	10,431.44	7,149.78	97.76	99.75	108.95	-882.53	-2,688.86	343.81	153.13	190.68	1.803		
10,400.00	7,035.99	10,531.44	7,147.96	100.44	102.43	108.97	-884.51	-2,788.83	344.40	148.64	195.76	1.759		
10,500.00	7,033.88	10,631.44	7,146.15	103.13	105.13	108.99	-886.48	-2,888.79	344.98	144.13	200.85	1.718		
10,600.00	7,031.78	10,731.44	7,144.33	105.82	107.83	109.01	-888.46	-2,988.75	345.57	139.61	205.96	1.678		
10,700.00	7,029.67	10,831.43	7,142.51	108.53	110.55	109.02	-890.44	-3,088.71	346.16	135.08	211.08	1.640		
10,800.00	7,027.56	10,931.43	7,140.70	111.24	113.26	109.04	-892.41	-3,188.67	346.74	130.53	216.21	1.604		
10,900.00	7,025.45	11,031.43	7,138.88	113.96	115.99	109.06	-894.39	-3,288.64	347.33	125.97	221.35	1.569		
11,000.00	7,023.34	11,131.43	7,137.06	116.68	118.72	109.08	-896.36	-3,388.60	347.91	121.40	226.51	1.536		
11,100.00	7,021.23	11,231.43	7,135.24	119.41	121.45	109.09	-898.34	-3,488.56	348.50	116.83	231.67	1.504		
11,200.00	7,019.13	11,331.42	7,133.43	122.15	124.19	109.11	-900.32	-3,588.52	349.09	112.24	236.85	1.474 Level 3		
11,300.00	7,017.02	11,431.42	7,131.61	124.89	126.94	109.13	-902.29	-3,688.49	349.67	107.64	242.03	1.445 Level 3		
11,400.00	7,014.91	11,531.42	7,129.79	127.63	129.69	109.14	-904.27	-3,788.45	350.26	103.03	247.22	1.417 Level 3		
11,500.00	7,012.80	11,631.42	7,127.98	130.38	132.44	109.16	-906.24	-3,888.41	350.84	98.42	252.42	1.390 Level 3		
11,600.00	7,010.69	11,731.42	7,126.16	133.14	135.20	109.18	-908.22	-3,988.37	351.43	93.80	257.63	1.364 Level 3		
11,700.00	7,008.58	11,831.42	7,124.34	135.89	137.96	109.20	-910.20	-4,088.33	352.02	89.18	262.84	1.339 Level 3		
11,800.00	7,006.47	11,931.41	7,122.52	138.65	140.72	109.21	-912.17	-4,188.30	352.60	84.55	268.06	1.315 Level 3		
11,900.00	7,004.37	12,031.41	7,120.71	141.42	143.49	109.23	-914.15	-4,288.26	353.19	79.91	273.28	1.292 Level 3		
12,000.00	7,002.26	12,131.41	7,118.89	144.19	146.26	109.25	-916.13	-4,388.22	353.77	75.27	278.51	1.270 Level 3		
12,100.00	7,000.15	12,231.41	7,117.07	146.96	149.04	109.26	-918.10	-4,488.18	354.36	70.62	283.74	1.249 Level 2		
12,200.00	6,998.04	12,331.41	7,115.26	149.73	151.81	109.28	-920.08	-4,588.14	354.95	65.97	288.98	1.228 Level 2		
12,300.00	6,995.93	12,431.41	7,113.44	152.51	154.59	109.30	-922.05	-4,688.11	355.53	61.31	294.22	1.208 Level 2		
12,400.00	6,993.82	12,531.40	7,111.62	155.28	157.37	109.31	-924.03	-4,788.07	356.12	56.65	299.47	1.189 Level 2		
12,500.00	6,991.72	12,631.40	7,109.80	158.06	160.16	109.33	-926.01	-4,888.03	356.71	51.98	304.72	1.171 Level 2		
12,600.00	6,989.61	12,731.40	7,107.99	160.85	162.94	109.35	-927.98	-4,987.99	357.29	47.32	309.98	1.153 Level 2		
12,700.00	6,987.50	12,831.40	7,106.17	163.63	165.73	109.36	-929.96	-5,087.96	357.88	42.64	315.23	1.135 Level 2		
12,800.00	6,985.39	12,931.40	7,104.35	166.42	168.52	109.38	-931.94	-5,187.92	358.46	37.97	320.49	1.118 Level 2		
12,900.00	6,983.28	13,031.39	7,102.54	169.21	171.31	109.40	-933.91	-5,287.88	359.05	33.29	325.76	1.102 Level 2		
13,000.00	6,981.17	13,131.39	7,100.72	172.00	174.11	109.41	-935.89	-5,387.84	359.64	28.61	331.03	1.086 Level 2		
13,100.00	6,979.07	13,231.39	7,098.90	174.79	176.90	109.43	-937.86	-5,487.80	360.22	23.93	336.29	1.071 Level 2		
13,200.00	6,976.96	13,331.39	7,097.08	177.59	179.70	109.44	-939.84	-5,587.77	360.81	19.24	341.57	1.056 Level 2		
13,300.00	6,974.85	13,431.39	7,095.27	180.38	182.50	109.46	-941.82	-5,687.73	361.40	14.56	346.84	1.042 Level 2		
13,400.00	6,972.74	13,531.39	7,093.45	183.18	185.30	109.48	-943.79	-5,787.69	361.98	9.87	352.12	1.028 Level 2		
13,500.00	6,970.63	13,631.38	7,091.63	185.98	188.10	109.49	-945.77	-5,887.65	362.57	5.18	357.39	1.014 Level 2		
13,600.00	6,968.52	13,731.38	7,089.82	188.78	190.91	109.51	-947.75	-5,987.62	363.16	0.48	362.67	1.001 Level 2		
13,700.00	6,966.41	13,831.38	7,088.00	191.58	193.71	109.52	-949.72	-6,087.58	363.74	-4.21	367.96	0.989 Level 1		
13,800.00	6,964.31	13,931.38	7,086.18	194.39	196.52	109.54	-951.70	-6,187.54	364.33	-8.91	373.24	0.976 Level 1		
13,900.00	6,962.20	14,031.38	7,084.36	197.19	199.32	109.56	-953.67	-6,287.50	364.92	-13.61	378.52	0.964 Level 1		
14,000.00	6,960.09	14,131.37	7,082.55	200.00	202.13	109.57	-955.65	-6,387.46	365.50	-18.31	383.81	0.952 Level 1		
14,100.00	6,957.98	14,231.37	7,080.73	202.80	204.94	109.59	-957.63	-6,487.43	366.09	-23.01	389.10	0.941 Level 1		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,955.87	14,331.37	7,078.91	205.61	207.75	109.60	-959.60	-6,587.39	366.68	-27.71	394.39	0.930	Level 1	
14,300.00	6,953.76	14,431.37	7,077.10	208.42	210.56	109.62	-961.58	-6,687.35	367.26	-32.41	399.68	0.919	Level 1	
14,400.00	6,951.66	14,531.37	7,075.28	211.23	213.37	109.63	-963.55	-6,787.31	367.85	-37.12	404.97	0.908	Level 1	
14,500.00	6,949.55	14,631.37	7,073.46	214.04	216.19	109.65	-965.53	-6,887.28	368.44	-41.82	410.26	0.898	Level 1	
14,600.00	6,947.44	14,731.36	7,071.64	216.85	219.00	109.67	-967.51	-6,987.24	369.02	-46.53	415.56	0.888	Level 1	
14,700.00	6,945.33	14,831.36	7,069.83	219.66	221.82	109.68	-969.48	-7,087.20	369.61	-51.24	420.85	0.878	Level 1	
14,800.00	6,943.22	14,931.36	7,068.01	222.48	224.63	109.70	-971.46	-7,187.16	370.20	-55.95	426.15	0.869	Level 1	
14,900.00	6,941.11	15,031.36	7,066.19	225.29	227.45	109.71	-973.44	-7,287.12	370.79	-60.66	431.44	0.859	Level 1	
15,000.00	6,939.01	15,131.36	7,064.38	228.11	230.27	109.73	-975.41	-7,387.09	371.37	-65.37	436.74	0.850	Level 1	
15,100.00	6,936.90	15,231.36	7,062.56	230.92	233.08	109.74	-977.39	-7,487.05	371.96	-70.08	442.04	0.841	Level 1	
15,200.00	6,934.79	15,331.35	7,060.74	233.74	235.90	109.76	-979.36	-7,587.01	372.55	-74.79	447.33	0.833	Level 1	
15,300.00	6,932.68	15,431.35	7,058.92	236.56	238.72	109.77	-981.34	-7,686.97	373.13	-79.50	452.63	0.824	Level 1	
15,400.00	6,930.57	15,531.35	7,057.11	239.37	241.54	109.79	-983.32	-7,786.93	373.72	-84.21	457.93	0.816	Level 1	
15,500.00	6,928.46	15,631.35	7,055.29	242.19	244.36	109.80	-985.29	-7,886.90	374.31	-88.92	463.23	0.808	Level 1	
15,521.99	6,928.00	15,647.29	7,055.00	242.81	244.81	109.81	-985.61	-7,902.83	374.49	-89.64	464.12	0.807	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5.85	29.88	3.06	30.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.85	29.88	3.06	30.03	23.46	6.57	4.572		
200.00	200.00	200.00	200.00	3.34	3.34	5.85	29.88	3.06	30.03	23.36	6.67	4.500 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-142.77	29.88	3.06	31.40	24.52	6.89	4.561		
400.00	399.84	400.63	400.60	3.59	3.60	-145.66	28.74	4.41	34.58	27.39	7.19	4.807		
500.00	499.45	501.37	501.20	3.79	3.79	-146.87	25.32	8.47	38.47	30.87	7.59	5.065		
600.00	598.70	602.20	601.64	4.04	4.03	-146.80	19.62	15.24	43.00	34.92	8.08	5.320		
700.00	697.47	703.09	701.76	4.32	4.31	-145.80	11.64	24.72	48.19	39.54	8.65	5.573		
773.50	769.68	777.28	775.07	4.55	4.53	-144.65	4.33	33.40	52.42	43.32	9.10	5.758		
800.00	795.65	803.82	801.23	4.64	4.62	-144.17	1.45	36.82	53.98	44.71	9.27	5.821		
900.00	893.65	903.63	899.62	5.00	4.96	-142.56	-9.38	49.68	59.87	49.93	9.94	6.025		
1,000.00	991.65	1,003.44	998.01	5.38	5.32	-141.24	-20.21	62.54	65.80	55.15	10.65	6.178		
1,100.00	1,089.66	1,103.26	1,096.39	5.78	5.70	-140.14	-31.04	75.41	71.75	60.35	11.40	6.294		
1,200.00	1,187.66	1,203.07	1,194.78	6.20	6.09	-139.21	-41.88	88.27	77.73	65.55	12.18	6.382		
1,300.00	1,285.66	1,302.88	1,293.17	6.63	6.50	-138.41	-52.71	101.14	83.72	70.74	12.99	6.447		
1,400.00	1,383.67	1,402.70	1,391.55	7.07	6.92	-137.72	-63.54	114.00	89.73	75.92	13.81	6.496		
1,500.00	1,481.67	1,502.51	1,489.94	7.51	7.35	-137.12	-74.37	126.86	95.75	81.09	14.66	6.532		
1,600.00	1,579.67	1,602.33	1,588.33	7.97	7.78	-136.59	-85.21	139.73	101.78	86.26	15.52	6.558		
1,700.00	1,677.67	1,702.14	1,686.71	8.43	8.22	-136.11	-96.04	152.59	107.82	91.43	16.39	6.578		
1,800.00	1,775.68	1,801.95	1,785.10	8.90	8.67	-135.69	-106.87	165.46	113.87	96.59	17.27	6.591		
1,900.00	1,873.68	1,901.77	1,883.49	9.37	9.12	-135.31	-117.70	178.32	119.92	101.75	18.17	6.601		
2,000.00	1,971.68	2,001.58	1,981.88	9.84	9.57	-134.97	-128.54	191.19	125.97	106.91	19.07	6.607		
2,100.00	2,069.69	2,101.40	2,080.26	10.32	10.03	-134.65	-139.37	204.05	132.03	112.06	19.97	6.611		
2,200.00	2,167.69	2,201.21	2,178.65	10.80	10.49	-134.37	-150.20	216.91	138.09	117.21	20.88	6.612		
2,300.00	2,265.69	2,301.02	2,277.04	11.28	10.95	-134.11	-161.04	229.78	144.16	122.36	21.80	6.612		
2,400.00	2,363.69	2,400.84	2,375.42	11.77	11.42	-133.87	-171.87	242.64	150.23	127.50	22.72	6.611		
2,500.00	2,461.70	2,500.65	2,473.81	12.25	11.88	-133.65	-182.70	255.51	156.30	132.65	23.65	6.609		
2,600.00	2,559.70	2,600.46	2,572.20	12.74	12.35	-133.44	-193.53	268.37	162.37	137.79	24.58	6.606		
2,700.00	2,657.70	2,700.28	2,670.58	13.23	12.82	-133.25	-204.37	281.23	168.45	142.93	25.51	6.603		
2,800.00	2,755.71	2,800.09	2,768.97	13.72	13.29	-133.08	-215.20	294.10	174.52	148.08	26.45	6.599		
2,900.00	2,853.71	2,900.09	2,867.36	14.21	13.76	-132.91	-226.03	306.96	180.60	153.22	27.38	6.595		
3,000.00	2,951.71	3,000.28	2,965.74	14.70	14.24	-132.76	-236.86	319.83	186.68	158.35	28.33	6.591		
3,100.00	3,049.71	3,100.47	3,064.13	15.20	14.71	-132.61	-247.70	332.69	192.76	163.49	29.27	6.586		
3,200.00	3,147.72	3,200.65	3,162.52	15.69	15.19	-132.48	-258.53	345.55	198.84	168.63	30.21	6.581		
3,300.00	3,245.72	3,300.84	3,260.90	16.19	15.67	-132.35	-269.36	358.42	204.92	173.76	31.16	6.576		
3,400.00	3,343.72	3,398.97	3,359.29	16.69	16.14	-132.23	-280.19	371.28	211.01	178.91	32.10	6.573		
3,500.00	3,441.73	3,501.21	3,457.68	17.18	16.62	-132.12	-291.03	384.15	217.09	184.03	33.06	6.567		
3,600.00	3,539.73	3,598.60	3,556.06	17.68	17.09	-132.01	-301.86	397.01	223.18	189.18	34.00	6.564		
3,700.00	3,637.73	3,701.58	3,654.45	18.18	17.58	-131.91	-312.69	409.88	229.27	194.30	34.96	6.557		
3,800.00	3,735.73	3,801.77	3,752.84	18.68	18.06	-131.81	-323.52	422.74	235.35	199.43	35.92	6.553		
3,900.00	3,833.74	3,901.96	3,851.22	19.18	18.55	-131.72	-334.36	435.60	241.44	204.57	36.87	6.548		
4,000.00	3,931.74	4,002.14	3,949.61	19.67	19.03	-131.63	-345.19	448.47	247.53	209.70	37.83	6.544		
4,100.00	4,029.74	4,102.33	4,048.00	20.17	19.51	-131.55	-356.02	461.33	253.62	214.83	38.78	6.539		
4,200.00	4,127.75	4,202.51	4,146.39	20.67	19.99	-131.47	-366.85	474.20	259.71	219.96	39.74	6.535		
4,300.00	4,225.75	4,297.30	4,244.77	21.18	20.45	-131.40	-377.69	487.06	265.80	225.12	40.67	6.535		
4,400.00	4,323.75	4,402.89	4,343.16	21.68	20.96	-131.32	-388.52	499.92	271.89	230.23	41.66	6.527		
4,500.00	4,421.76	4,503.07	4,441.55	22.18	21.44	-131.26	-399.35	512.79	277.98	235.36	42.62	6.523		
4,600.00	4,519.76	4,603.26	4,539.93	22.68	21.92	-131.19	-410.18	525.65	284.07	240.49	43.58	6.519		
4,700.00	4,617.76	4,703.45	4,638.32	23.18	22.41	-131.13	-421.02	538.52	290.16	245.62	44.54	6.515		
4,800.00	4,715.76	4,803.63	4,736.71	23.68	22.89	-131.07	-431.85	551.38	296.25	250.75	45.50	6.511		
4,900.00	4,813.77	4,903.82	4,835.09	24.18	23.38	-131.01	-442.68	564.24	302.34	255.88	46.46	6.508		
5,000.00	4,911.77	5,004.00	4,933.48	24.69	23.86	-130.95	-453.52	577.11	308.43	261.01	47.42	6.504		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,095.81	5,031.87	25.19	24.30	-130.90	-464.35	589.97	314.53	266.18	48.34	6.506		
5,200.00	5,107.78	5,204.38	5,130.25	25.69	24.83	-130.85	-475.18	602.84	320.62	271.27	49.35	6.497		
5,300.00	5,205.78	5,304.56	5,228.64	26.19	25.31	-130.80	-486.01	615.70	326.71	276.40	50.31	6.494		
5,400.00	5,303.78	5,404.75	5,327.03	26.70	25.80	-130.75	-496.85	628.57	332.81	281.53	51.27	6.491		
5,500.00	5,401.78	5,495.07	5,425.41	27.20	26.24	-130.70	-507.68	641.43	338.90	286.71	52.19	6.494		
5,600.00	5,499.79	5,605.12	5,523.80	27.70	26.77	-130.66	-518.51	654.29	344.99	291.79	53.20	6.485		
5,700.00	5,597.79	5,705.31	5,622.19	28.21	27.26	-130.62	-529.34	667.16	351.09	296.92	54.17	6.482		
5,800.00	5,695.79	5,805.49	5,720.57	28.71	27.74	-130.58	-540.18	680.02	357.18	302.05	55.13	6.479		
5,900.00	5,793.80	5,905.68	5,818.96	29.22	28.23	-130.54	-551.01	692.89	363.27	307.18	56.10	6.476		
6,000.00	5,891.80	6,005.87	5,917.35	29.72	28.71	-130.50	-561.84	705.75	369.37	312.31	57.06	6.473		
6,100.00	5,989.80	6,093.95	6,015.73	30.22	29.14	-130.46	-572.67	718.61	375.46	317.49	57.97	6.477		
6,200.00	6,087.80	6,193.76	6,114.12	30.73	29.63	-130.42	-583.51	731.48	381.56	322.62	58.93	6.474		
6,300.00	6,185.81	6,306.24	6,225.31	31.23	30.15	-130.89	-595.86	742.39	386.75	326.83	59.92	6.454		
6,400.00	6,283.81	6,424.99	6,342.80	31.74	30.60	-134.16	-609.54	734.06	387.21	326.62	60.59	6.391		
6,500.00	6,381.81	6,532.67	6,446.29	32.24	30.96	-139.78	-622.19	707.65	385.31	324.17	61.13	6.303		
6,520.79	6,402.19	6,553.26	6,465.50	32.35	31.03	-141.14	-624.61	700.62	385.04	323.79	61.25	6.286		
6,538.38	6,419.45	6,570.29	6,481.19	32.43	31.09	-149.45	-626.60	694.33	384.95	323.60	61.35	6.275		
6,550.00	6,430.87	6,581.42	6,491.36	32.49	31.12	-155.44	-627.90	689.99	384.99	323.57	61.41	6.269		
6,600.00	6,480.12	6,628.27	6,533.27	32.72	31.27	175.98	-633.32	669.79	385.99	324.30	61.68	6.258		
6,650.00	6,529.30	6,673.60	6,572.30	32.93	31.42	149.66	-638.48	647.34	388.30	326.39	61.91	6.272		
6,700.00	6,578.09	6,717.56	6,608.53	33.12	31.57	130.57	-643.39	622.94	391.84	329.77	62.08	6.312		
6,750.00	6,626.21	6,760.33	6,642.08	33.30	31.72	117.39	-648.04	596.85	396.47	334.33	62.15	6.380		
6,800.00	6,673.34	6,802.03	6,673.04	33.46	31.87	107.86	-652.45	569.27	402.06	339.94	62.11	6.473		
6,850.00	6,719.21	6,842.78	6,701.50	33.61	32.03	100.54	-656.60	540.40	408.43	346.46	61.97	6.591		
6,900.00	6,763.53	6,882.70	6,727.52	33.75	32.20	94.64	-660.52	510.40	415.44	353.72	61.72	6.731		
6,950.00	6,806.03	6,921.87	6,751.19	33.89	32.38	89.73	-664.20	479.42	422.91	361.53	61.39	6.889		
7,000.00	6,846.44	6,960.38	6,772.57	34.02	32.57	85.53	-667.64	447.58	430.70	369.71	60.98	7.062		
7,050.00	6,884.52	6,998.30	6,791.70	34.15	32.79	81.90	-670.85	415.00	438.64	378.09	60.54	7.245		
7,100.00	6,920.03	7,035.69	6,808.65	34.27	33.02	78.72	-673.83	381.81	446.60	386.49	60.11	7.430		
7,150.00	6,952.75	7,072.62	6,823.45	34.40	33.28	75.92	-676.58	348.10	454.45	394.76	59.69	7.613		
7,200.00	6,982.48	7,109.13	6,836.15	34.54	33.56	73.47	-679.10	313.96	462.08	402.74	59.34	7.787		
7,250.00	7,009.04	7,145.28	6,846.78	34.70	33.85	71.31	-681.40	279.50	469.37	410.28	59.08	7.944		
7,300.00	7,032.26	7,181.10	6,855.38	34.87	34.18	69.42	-683.48	244.79	476.23	417.28	58.95	8.079		
7,350.00	7,052.00	7,216.64	6,861.97	35.08	34.52	67.79	-685.33	209.92	482.58	423.63	58.95	8.186		
7,400.00	7,068.14	7,250.00	6,866.40	35.34	34.86	66.42	-686.87	176.89	488.34	429.24	59.10	8.263		
7,450.00	7,080.57	7,287.01	6,869.29	35.65	35.26	65.20	-688.36	140.03	493.44	434.00	59.44	8.302		
7,500.00	7,089.23	7,321.91	6,870.05	36.01	35.65	64.23	-689.54	105.17	497.84	437.91	59.94	8.306		
7,550.00	7,094.06	7,369.15	6,869.41	36.44	36.23	63.44	-690.96	57.95	500.98	440.34	60.64	8.262		
7,601.12	7,095.00	7,420.22	6,868.68	36.93	36.89	63.19	-692.48	6.91	501.82	440.15	61.67	8.137		
7,700.00	7,092.92	7,519.10	6,867.27	38.05	38.31	63.24	-695.43	-91.92	501.09	436.94	64.15	7.811		
7,800.00	7,090.81	7,619.10	6,865.85	39.40	39.90	63.28	-698.41	-191.86	500.34	433.38	66.96	7.472		
7,900.00	7,088.70	7,719.10	6,864.42	40.93	41.64	63.33	-701.39	-291.80	499.60	429.55	70.05	7.132		
8,000.00	7,086.59	7,819.09	6,863.00	42.61	43.49	63.37	-704.37	-391.75	498.86	425.49	73.37	6.799		
8,100.00	7,084.49	7,919.09	6,861.57	44.41	45.45	63.42	-707.35	-491.69	498.12	421.21	76.91	6.477		
8,200.00	7,082.38	8,019.09	6,860.15	46.33	47.50	63.46	-710.33	-591.63	497.38	416.75	80.63	6.169		
8,300.00	7,080.27	8,119.08	6,858.73	48.34	49.63	63.51	-713.31	-691.57	496.64	412.14	84.50	5.877		
8,400.00	7,078.16	8,219.08	6,857.30	50.43	51.83	63.56	-716.29	-791.51	495.90	407.39	88.52	5.602		
8,500.00	7,076.05	8,319.08	6,855.88	52.59	54.09	63.60	-719.27	-891.45	495.16	402.51	92.65	5.344		
8,600.00	7,073.94	8,419.07	6,854.45	54.82	56.40	63.65	-722.25	-991.40	494.42	397.53	96.89	5.103		
8,700.00	7,071.84	8,519.07	6,853.03	57.10	58.77	63.69	-725.24	-1,091.34	493.68	392.46	101.22	4.877		
8,800.00	7,069.73	8,619.06	6,851.60	59.44	61.17	63.74	-728.22	-1,191.28	492.94	387.30	105.64	4.666		
8,900.00	7,067.62	8,719.06	6,850.18	61.81	63.61	63.79	-731.20	-1,291.22	492.21	382.08	110.13	4.469		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	8,819.06	6,848.76	64.23	66.08	63.83	-734.18	-1,391.16	491.47	376.78	114.68	4.285		
9,100.00	7,063.40	8,919.05	6,847.33	66.68	68.58	63.88	-737.16	-1,491.11	490.73	371.44	119.30	4.114		
9,200.00	7,061.29	9,019.05	6,845.91	69.15	71.11	63.93	-740.14	-1,591.05	489.99	366.03	123.96	3.953		
9,300.00	7,059.18	9,119.05	6,844.48	71.66	73.66	63.97	-743.12	-1,690.99	489.26	360.59	128.67	3.802		
9,400.00	7,057.08	9,219.04	6,843.06	74.19	76.23	64.02	-746.10	-1,790.93	488.52	355.10	133.42	3.661		
9,500.00	7,054.97	9,319.04	6,841.63	76.75	78.82	64.07	-749.08	-1,890.87	487.78	349.57	138.21	3.529		
9,600.00	7,052.86	9,419.04	6,840.21	79.32	81.42	64.12	-752.06	-1,990.82	487.05	344.01	143.04	3.405		
9,700.00	7,050.75	9,519.03	6,838.79	81.91	84.04	64.16	-755.04	-2,090.76	486.31	338.42	147.90	3.288		
9,800.00	7,048.64	9,619.03	6,837.36	84.52	86.68	64.21	-758.03	-2,190.70	485.58	332.79	152.78	3.178		
9,900.00	7,046.53	9,719.03	6,835.94	87.14	89.33	64.26	-761.01	-2,290.64	484.84	327.15	157.70	3.075		
10,000.00	7,044.43	9,819.02	6,834.51	89.78	91.99	64.31	-763.99	-2,390.58	484.11	321.47	162.64	2.977		
10,100.00	7,042.32	9,919.02	6,833.09	92.43	94.66	64.35	-766.97	-2,490.53	483.37	315.78	167.60	2.884		
10,200.00	7,040.21	10,019.02	6,831.66	95.09	97.34	64.40	-769.95	-2,590.47	482.64	310.06	172.58	2.797		
10,300.00	7,038.10	10,119.01	6,830.24	97.76	100.03	64.45	-772.93	-2,690.41	481.91	304.33	177.58	2.714		
10,400.00	7,035.99	10,219.01	6,828.82	100.44	102.73	64.50	-775.91	-2,790.35	481.17	298.57	182.60	2.635		
10,500.00	7,033.88	10,319.00	6,827.39	103.13	105.44	64.55	-778.89	-2,890.29	480.44	292.80	187.64	2.560		
10,600.00	7,031.78	10,419.00	6,825.97	105.82	108.15	64.60	-781.87	-2,990.23	479.71	287.01	192.69	2.489		
10,700.00	7,029.67	10,519.00	6,824.54	108.53	110.87	64.65	-784.85	-3,090.18	478.98	281.21	197.76	2.422		
10,800.00	7,027.56	10,618.99	6,823.12	111.24	113.60	64.70	-787.83	-3,190.12	478.25	275.40	202.85	2.358		
10,900.00	7,025.45	10,718.99	6,821.69	113.96	116.33	64.74	-790.82	-3,290.06	477.51	269.57	207.95	2.296		
11,000.00	7,023.34	10,818.99	6,820.27	116.68	119.06	64.79	-793.80	-3,390.00	476.78	263.73	213.06	2.238		
11,100.00	7,021.23	10,918.98	6,818.85	119.41	121.81	64.84	-796.78	-3,489.94	476.05	257.87	218.18	2.182		
11,200.00	7,019.13	11,018.98	6,817.42	122.15	124.55	64.89	-799.76	-3,589.89	475.32	252.01	223.31	2.128		
11,300.00	7,017.02	11,118.98	6,816.00	124.89	127.30	64.94	-802.74	-3,689.83	474.59	246.13	228.46	2.077		
11,400.00	7,014.91	11,218.97	6,814.57	127.63	130.06	64.99	-805.72	-3,789.77	473.86	240.24	233.62	2.028		
11,500.00	7,012.80	11,318.97	6,813.15	130.38	132.82	65.04	-808.70	-3,889.71	473.13	234.35	238.78	1.981		
11,600.00	7,010.69	11,418.97	6,811.72	133.14	135.58	65.09	-811.68	-3,989.65	472.40	228.44	243.96	1.936		
11,700.00	7,008.58	11,518.96	6,810.30	135.89	138.34	65.14	-814.66	-4,089.60	471.68	222.53	249.15	1.893		
11,741.88	7,007.70	11,557.41	6,809.75	137.05	139.41	65.17	-815.72	-4,128.02	471.47	220.21	251.25	1.876		
11,800.00	7,006.47	11,607.97	6,809.03	138.65	140.81	65.24	-816.37	-4,178.57	471.93	217.79	254.14	1.857		
11,900.00	7,004.37	11,702.32	6,807.69	141.42	143.43	65.46	-815.78	-4,272.91	474.47	214.99	259.48	1.829		
12,000.00	7,002.26	11,802.26	6,806.27	144.19	146.22	65.70	-814.89	-4,372.83	477.27	212.19	265.08	1.800		
12,100.00	7,000.15	11,902.20	6,804.85	146.96	149.01	65.94	-814.00	-4,472.76	480.08	209.39	270.69	1.774		
12,200.00	6,998.04	12,002.14	6,803.42	149.73	151.79	66.18	-813.11	-4,572.69	482.90	206.59	276.31	1.748		
12,300.00	6,995.93	12,102.08	6,802.00	152.51	154.59	66.42	-812.22	-4,672.61	485.72	203.78	281.94	1.723		
12,400.00	6,993.82	12,202.02	6,800.58	155.28	157.38	66.65	-811.32	-4,772.54	488.56	200.97	287.59	1.699		
12,500.00	6,991.72	12,301.96	6,799.16	158.06	160.18	66.88	-810.43	-4,872.46	491.40	198.16	293.24	1.676		
12,600.00	6,989.61	12,401.90	6,797.73	160.85	162.98	67.10	-809.54	-4,972.39	494.25	195.35	298.90	1.654		
12,700.00	6,987.50	12,501.84	6,796.31	163.63	165.78	67.33	-808.65	-5,072.32	497.11	192.53	304.57	1.632		
12,800.00	6,985.39	12,601.78	6,794.89	166.42	168.58	67.55	-807.76	-5,172.24	499.97	189.72	310.25	1.611		
12,900.00	6,983.28	12,701.72	6,793.47	169.21	171.38	67.77	-806.87	-5,272.17	502.84	186.90	315.94	1.592		
13,000.00	6,981.17	12,801.66	6,792.05	172.00	174.19	67.99	-805.98	-5,372.10	505.72	184.08	321.64	1.572		
13,100.00	6,979.07	12,901.60	6,790.62	174.79	176.99	68.20	-805.09	-5,472.02	508.61	181.27	327.34	1.554		
13,200.00	6,976.96	13,001.54	6,789.20	177.59	179.80	68.41	-804.20	-5,571.95	511.50	178.45	333.05	1.536		
13,300.00	6,974.85	13,101.48	6,787.78	180.38	182.61	68.62	-803.31	-5,671.87	514.40	175.63	338.77	1.518		
13,400.00	6,972.74	13,201.42	6,786.36	183.18	185.42	68.83	-802.42	-5,771.80	517.31	172.82	344.49	1.502		
13,500.00	6,970.63	13,301.36	6,784.93	185.98	188.24	69.03	-801.53	-5,871.73	520.22	170.00	350.22	1.485 Level 3		
13,600.00	6,968.52	13,401.30	6,783.51	188.78	191.05	69.24	-800.64	-5,971.65	523.14	167.19	355.96	1.470 Level 3		
13,700.00	6,966.41	13,501.24	6,782.09	191.58	193.87	69.44	-799.75	-6,071.58	526.07	164.37	361.70	1.454 Level 3		
13,800.00	6,964.31	13,601.18	6,780.67	194.39	196.68	69.64	-798.86	-6,171.51	529.01	161.56	367.45	1.440 Level 3		
13,900.00	6,962.20	13,701.12	6,779.25	197.19	199.50	69.83	-797.97	-6,271.43	531.95	158.74	373.20	1.425 Level 3		
14,000.00	6,960.09	13,801.06	6,777.82	200.00	202.32	70.03	-797.08	-6,371.36	534.89	155.93	378.96	1.411 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,957.98	13,901.00	6,776.40	202.80	205.14	70.22	-796.19	-6,471.28	537.84	153.12	384.72	1.398	Level 3	
14,200.00	6,955.87	14,000.94	6,774.98	205.61	207.96	70.41	-795.30	-6,571.21	540.80	150.31	390.49	1.385	Level 3	
14,300.00	6,953.76	14,100.88	6,773.56	208.42	210.78	70.59	-794.41	-6,671.14	543.76	147.51	396.26	1.372	Level 3	
14,400.00	6,951.66	14,200.82	6,772.13	211.23	213.60	70.78	-793.52	-6,771.06	546.73	144.70	402.03	1.360	Level 3	
14,500.00	6,949.55	14,300.76	6,770.71	214.04	216.43	70.96	-792.63	-6,870.99	549.71	141.90	407.81	1.348	Level 3	
14,600.00	6,947.44	14,400.70	6,769.29	216.85	219.25	71.14	-791.74	-6,970.92	552.69	139.10	413.59	1.336	Level 3	
14,700.00	6,945.33	14,500.64	6,767.87	219.66	222.08	71.32	-790.85	-7,070.84	555.68	136.30	419.38	1.325	Level 3	
14,800.00	6,943.22	14,600.58	6,766.45	222.48	224.90	71.50	-789.96	-7,170.77	558.67	133.50	425.17	1.314	Level 3	
14,900.00	6,941.11	14,700.52	6,765.02	225.29	227.73	71.68	-789.07	-7,270.69	561.66	130.70	430.96	1.303	Level 3	
15,000.00	6,939.01	14,800.47	6,763.60	228.11	230.56	71.85	-788.18	-7,370.62	564.67	127.91	436.76	1.293	Level 3	
15,100.00	6,936.90	14,900.41	6,762.18	230.92	233.38	72.02	-787.29	-7,470.55	567.67	125.12	442.55	1.283	Level 3	
15,200.00	6,934.79	15,000.35	6,760.76	233.74	236.21	72.19	-786.40	-7,570.47	570.69	122.33	448.35	1.273	Level 3	
15,300.00	6,932.68	15,100.29	6,759.34	236.56	239.04	72.36	-785.51	-7,670.40	573.70	119.55	454.16	1.263	Level 3	
15,400.00	6,930.57	15,200.23	6,757.91	239.37	241.87	72.53	-784.62	-7,770.33	576.73	116.76	459.96	1.254	Level 3	
15,500.00	6,928.46	15,300.17	6,756.49	242.19	244.70	72.69	-783.73	-7,870.25	579.75	113.98	465.77	1.245	Level 2	
15,521.99	6,928.00	15,322.14	6,756.18	242.81	245.32	72.73	-783.53	-7,892.22	580.42	113.37	467.05	1.243	Level 2, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-99.25	-718.36	-4,410.15	4,468.27					
100.00	100.00	110.00	110.00	3.28	3.89	-99.25	-718.36	-4,410.15	4,468.27	4,461.10	7.18	622.630		
200.00	200.00	210.00	210.00	3.34	6.48	-99.25	-718.36	-4,410.15	4,468.27	4,458.46	9.81	455.273		
300.00	299.98	309.98	309.98	3.44	9.65	114.13	-718.36	-4,410.15	4,468.99	4,455.90	13.09	341.396		
400.00	399.84	409.84	409.84	3.59	12.98	114.15	-718.36	-4,410.15	4,471.13	4,454.56	16.57	269.774		
500.00	499.45	509.45	509.45	3.79	16.37	114.18	-718.36	-4,410.15	4,474.71	4,454.55	20.16	221.946		
600.00	598.70	608.70	608.70	4.04	19.78	114.23	-718.36	-4,410.15	4,479.74	4,455.93	23.81	188.130		
700.00	697.47	707.47	707.47	4.32	23.19	114.30	-718.36	-4,410.15	4,486.23	4,458.73	27.50	163.110		
773.50	769.68	779.68	779.68	4.55	25.68	114.35	-718.36	-4,410.15	4,491.96	4,461.72	30.24	148.560		
800.00	795.65	805.65	805.65	4.64	26.58	114.41	-718.36	-4,410.15	4,494.17	4,462.94	31.23	143.928		
900.00	893.65	903.65	903.65	5.00	29.98	114.63	-718.36	-4,410.15	4,502.56	4,467.58	34.98	128.735		
1,000.00	991.65	1,001.65	1,001.65	5.38	33.38	114.86	-718.36	-4,410.15	4,511.02	4,472.27	38.75	116.401		
1,100.00	1,089.66	1,100.34	1,099.66	5.78	36.81	115.09	-718.36	-4,410.15	4,519.56	4,476.98	42.58	106.145		
1,200.00	1,187.66	1,202.34	1,197.66	6.20	40.36	115.31	-718.36	-4,410.15	4,528.16	4,481.63	46.54	97.302		
1,300.00	1,285.66	1,304.34	1,295.66	6.63	43.91	115.53	-718.36	-4,410.15	4,536.84	4,486.33	50.51	89.821		
1,400.00	1,383.67	1,406.33	1,393.67	7.07	47.46	115.76	-718.36	-4,410.15	4,545.59	4,491.10	54.49	83.415		
1,500.00	1,481.67	1,508.33	1,491.67	7.51	51.02	115.98	-718.36	-4,410.15	4,554.41	4,495.92	58.49	77.869		
1,600.00	1,579.67	1,589.67	1,589.67	7.97	53.85	116.20	-718.36	-4,410.15	4,563.29	4,501.52	61.77	73.876		
1,700.00	1,677.67	1,687.67	1,687.67	8.43	57.27	116.42	-718.36	-4,410.15	4,572.25	4,506.61	65.64	69.658		
1,800.00	1,775.68	1,785.68	1,785.68	8.90	60.68	116.64	-718.36	-4,410.15	4,581.28	4,511.76	69.51	65.906		
1,900.00	1,873.68	1,883.68	1,883.68	9.37	64.10	116.86	-718.36	-4,410.15	4,590.37	4,516.98	73.39	62.546		
2,000.00	1,971.68	1,981.68	1,981.68	9.84	67.51	117.07	-718.36	-4,410.15	4,599.53	4,522.26	77.27	59.522		
2,100.00	2,069.69	2,079.69	2,079.69	10.32	70.93	117.29	-718.36	-4,410.15	4,608.76	4,527.60	81.16	56.786		
2,200.00	2,167.69	2,177.69	2,177.69	10.80	74.35	117.51	-718.36	-4,410.15	4,618.06	4,533.01	85.05	54.298		
2,300.00	2,265.69	2,275.69	2,275.69	11.28	77.77	117.72	-718.36	-4,410.15	4,627.42	4,538.48	88.94	52.028		
2,400.00	2,363.69	2,373.69	2,373.69	11.77	81.19	117.93	-718.36	-4,410.15	4,636.85	4,544.02	92.83	49.947		
2,500.00	2,461.70	2,471.70	2,471.70	12.25	84.61	118.15	-718.36	-4,410.15	4,646.35	4,549.62	96.73	48.034		
2,600.00	2,559.70	2,569.70	2,569.70	12.74	88.02	118.36	-718.36	-4,410.15	4,655.91	4,555.28	100.63	46.269		
2,700.00	2,657.70	2,667.70	2,667.70	13.23	91.44	118.57	-718.36	-4,410.15	4,665.53	4,561.01	104.53	44.635		
2,800.00	2,755.71	2,765.71	2,765.71	13.72	94.86	118.78	-718.36	-4,410.15	4,675.22	4,566.80	108.43	43.119		
2,900.00	2,853.71	2,863.71	2,863.71	14.21	98.28	118.99	-718.36	-4,410.15	4,684.98	4,572.65	112.33	41.709		
3,000.00	2,951.71	2,961.71	2,961.71	14.70	101.70	119.20	-718.36	-4,410.15	4,694.80	4,578.57	116.23	40.393		
3,100.00	3,049.71	3,059.71	3,059.71	15.20	105.12	119.41	-718.36	-4,410.15	4,704.68	4,584.55	120.13	39.163		
3,200.00	3,147.72	3,157.72	3,157.72	15.69	108.54	119.62	-718.36	-4,410.15	4,714.63	4,590.60	124.03	38.011		
3,300.00	3,245.72	3,255.72	3,255.72	16.19	111.96	119.82	-718.36	-4,410.15	4,724.64	4,596.70	127.94	36.929		
3,400.00	3,343.72	3,353.72	3,353.72	16.69	115.38	120.03	-718.36	-4,410.15	4,734.71	4,602.87	131.84	35.912		
3,500.00	3,441.73	3,451.73	3,451.73	17.18	118.80	120.23	-718.36	-4,410.15	4,744.84	4,609.10	135.75	34.954		
3,600.00	3,539.73	3,549.73	3,549.73	17.68	122.22	120.44	-718.36	-4,410.15	4,755.04	4,615.38	139.65	34.049		
3,700.00	3,637.73	3,647.73	3,647.73	18.18	125.64	120.64	-718.36	-4,410.15	4,765.29	4,621.74	143.56	33.194		
3,800.00	3,735.73	3,745.73	3,745.73	18.68	129.06	120.84	-718.36	-4,410.15	4,775.61	4,628.15	147.46	32.385		
3,900.00	3,833.74	3,843.74	3,843.74	19.18	132.48	121.04	-718.36	-4,410.15	4,785.99	4,634.62	151.37	31.618		
4,000.00	3,931.74	3,941.74	3,941.74	19.67	135.90	121.25	-718.36	-4,410.15	4,796.42	4,641.15	155.28	30.890		
4,100.00	4,029.74	4,039.74	4,039.74	20.17	139.32	121.44	-718.36	-4,410.15	4,806.92	4,647.74	159.18	30.197		
4,200.00	4,127.75	4,137.75	4,137.75	20.67	142.74	121.64	-718.36	-4,410.15	4,817.48	4,654.39	163.09	29.539		
4,300.00	4,225.75	4,235.75	4,235.75	21.18	146.16	121.84	-718.36	-4,410.15	4,828.09	4,661.09	167.00	28.911		
4,400.00	4,323.75	4,333.75	4,333.75	21.68	149.58	122.04	-718.36	-4,410.15	4,838.76	4,667.86	170.90	28.313		
4,500.00	4,421.76	4,431.76	4,431.76	22.18	153.00	122.24	-718.36	-4,410.15	4,849.50	4,674.68	174.81	27.741		
4,600.00	4,519.76	4,529.76	4,529.76	22.68	156.42	122.43	-718.36	-4,410.15	4,860.28	4,681.57	178.72	27.195		
4,700.00	4,617.76	4,627.76	4,627.76	23.18	159.84	122.63	-718.36	-4,410.15	4,871.13	4,688.50	182.63	26.673		
4,800.00	4,715.76	4,725.76	4,725.76	23.68	163.26	122.82	-718.36	-4,410.15	4,882.03	4,695.50	186.53	26.172		
4,900.00	4,813.77	4,823.77	4,823.77	24.18	166.68	123.01	-718.36	-4,410.15	4,892.99	4,702.55	190.44	25.693		
5,000.00	4,911.77	4,921.77	4,921.77	24.69	170.11	123.20	-718.36	-4,410.15	4,904.01	4,709.66	194.35	25.233		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,019.77	5,019.77	25.19	173.53	123.40	-718.36	-4,410.15	4,915.08	4,716.83	198.26	24.792		
5,200.00	5,107.78	5,117.78	5,117.78	25.69	176.95	123.59	-718.36	-4,410.15	4,926.21	4,724.05	202.16	24.368		
5,300.00	5,205.78	5,215.78	5,215.78	26.19	180.37	123.78	-718.36	-4,410.15	4,937.39	4,731.32	206.07	23.960		
5,400.00	5,303.78	5,313.78	5,313.78	26.70	183.79	123.96	-718.36	-4,410.15	4,948.63	4,738.65	209.98	23.567		
5,500.00	5,401.78	5,411.78	5,411.78	27.20	187.21	124.15	-718.36	-4,410.15	4,959.92	4,746.03	213.88	23.190		
5,600.00	5,499.79	5,509.79	5,509.79	27.70	190.63	124.34	-718.36	-4,410.15	4,971.26	4,753.47	217.79	22.826		
5,700.00	5,597.79	5,607.79	5,607.79	28.21	194.05	124.53	-718.36	-4,410.15	4,982.66	4,760.96	221.70	22.475		
5,800.00	5,695.79	5,705.79	5,705.79	28.71	197.47	124.71	-718.36	-4,410.15	4,994.11	4,768.51	225.61	22.136		
5,900.00	5,793.80	5,803.80	5,803.80	29.22	200.89	124.90	-718.36	-4,410.15	5,005.62	4,776.10	229.51	21.810		
6,000.00	5,891.80	5,901.80	5,901.80	29.72	204.31	125.08	-718.36	-4,410.15	5,017.17	4,783.75	233.42	21.494		
6,100.00	5,989.80	6,000.20	5,999.80	30.22	207.75	125.26	-718.36	-4,410.15	5,028.78	4,791.44	237.34	21.188		
6,200.00	6,087.80	6,102.20	6,097.80	30.73	211.31	125.44	-718.36	-4,410.15	5,040.44	4,799.06	241.39	20.881		
6,300.00	6,185.81	6,204.19	6,195.81	31.23	214.87	125.63	-718.36	-4,410.15	5,052.15	4,806.72	245.43	20.585		
6,400.00	6,283.81	6,306.19	6,293.81	31.74	218.43	125.81	-718.36	-4,410.15	5,063.92	4,814.44	249.48	20.298		
6,500.00	6,381.81	6,408.19	6,391.81	32.24	221.99	125.99	-718.36	-4,410.15	5,075.73	4,822.21	253.52	20.021		
6,520.79	6,402.19	6,412.19	6,412.19	32.35	222.13	126.02	-718.36	-4,410.15	5,078.19	4,824.43	253.76	20.012		
6,550.00	6,430.87	6,440.87	6,440.87	32.49	223.13	113.67	-718.36	-4,410.15	5,080.99	4,826.09	254.90	19.933		
6,600.00	6,480.12	6,509.88	6,490.12	32.72	225.54	88.43	-718.36	-4,410.15	5,082.70	4,825.16	257.54	19.735		
6,650.00	6,529.30	6,539.30	6,539.30	32.93	226.57	65.44	-718.36	-4,410.15	5,080.52	4,821.73	258.78	19.632		
6,700.00	6,578.09	6,588.09	6,588.09	33.12	228.27	49.65	-718.36	-4,410.15	5,074.45	4,813.77	260.67	19.467		
6,750.00	6,626.21	6,636.21	6,636.21	33.30	229.95	39.72	-718.36	-4,410.15	5,064.54	4,802.02	262.52	19.292		
6,800.00	6,673.34	6,683.34	6,683.34	33.46	231.59	33.38	-718.36	-4,410.15	5,050.85	4,786.53	264.32	19.109		
6,850.00	6,719.21	6,729.21	6,729.21	33.61	233.19	29.18	-718.36	-4,410.15	5,033.47	4,767.41	266.05	18.919		
6,900.00	6,763.53	6,773.53	6,773.53	33.75	234.74	26.33	-718.36	-4,410.15	5,012.50	4,744.78	267.72	18.723		
6,950.00	6,806.03	6,816.03	6,816.03	33.89	236.23	24.38	-718.36	-4,410.15	4,988.07	4,718.77	269.30	18.522		
7,000.00	6,846.44	6,856.44	6,856.44	34.02	237.64	23.08	-718.36	-4,410.15	4,960.34	4,689.54	270.80	18.317		
7,050.00	6,884.52	6,905.48	6,894.52	34.15	239.35	22.28	-718.36	-4,410.15	4,929.47	4,656.89	272.58	18.084		
7,100.00	6,920.03	6,930.03	6,930.03	34.27	240.20	21.91	-718.36	-4,410.15	4,895.66	4,622.16	273.50	17.900		
7,150.00	6,952.75	6,962.75	6,962.75	34.40	241.35	21.94	-718.36	-4,410.15	4,859.11	4,584.42	274.69	17.689		
7,200.00	6,982.48	7,007.52	6,992.48	34.54	242.91	22.38	-718.36	-4,410.15	4,820.04	4,543.75	276.29	17.446		
7,250.00	7,009.04	7,019.04	7,019.04	34.70	243.31	23.28	-718.36	-4,410.15	4,778.71	4,501.99	276.72	17.269		
7,300.00	7,032.26	7,042.26	7,042.26	34.87	244.12	24.79	-718.36	-4,410.15	4,735.36	4,457.80	277.56	17.061		
7,350.00	7,052.00	7,062.00	7,062.00	35.08	244.81	27.14	-718.36	-4,410.15	4,690.25	4,411.99	278.26	16.856		
7,400.00	7,068.14	7,078.14	7,078.14	35.34	245.37	30.80	-718.36	-4,410.15	4,643.66	4,364.83	278.84	16.654		
7,450.00	7,080.57	7,109.43	7,090.57	35.65	246.47	36.74	-718.36	-4,410.15	4,595.89	4,315.95	279.94	16.417		
7,500.00	7,089.23	7,100.77	7,099.23	36.01	246.16	47.08	-718.36	-4,410.15	4,547.21	4,267.56	279.65	16.260		
7,550.00	7,094.06	7,104.06	7,104.06	36.44	246.28	66.43	-718.36	-4,410.15	4,497.93	4,218.16	279.78	16.077		
7,601.12	7,095.00	7,105.00	7,105.00	36.93	246.31	99.92	-718.36	-4,410.15	4,447.24	4,167.42	279.82	15.893		
7,700.00	7,092.92	7,102.92	7,102.92	38.05	246.24	99.70	-718.36	-4,410.15	4,349.11	4,069.32	279.78	15.545		
7,800.00	7,090.81	7,100.81	7,100.81	39.40	246.17	99.48	-718.36	-4,410.15	4,249.90	3,970.15	279.75	15.192		
7,900.00	7,088.70	7,101.30	7,098.70	40.93	246.18	99.26	-718.36	-4,410.15	4,150.73	3,870.91	279.82	14.834		
8,000.00	7,086.59	7,103.41	7,096.59	42.61	246.26	99.04	-718.36	-4,410.15	4,051.60	3,771.65	279.95	14.473		
8,100.00	7,084.49	7,105.51	7,094.49	44.41	246.33	98.82	-718.36	-4,410.15	3,952.51	3,672.42	280.09	14.112		
8,200.00	7,082.38	7,107.62	7,092.38	46.33	246.40	98.60	-718.36	-4,410.15	3,853.46	3,573.22	280.24	13.751		
8,300.00	7,080.27	7,109.73	7,090.27	48.34	246.48	98.38	-718.36	-4,410.15	3,754.47	3,474.07	280.40	13.390		
8,400.00	7,078.16	7,088.16	7,088.16	50.43	245.72	98.15	-718.36	-4,410.15	3,655.53	3,375.77	279.75	13.067		
8,500.00	7,076.05	7,086.05	7,086.05	52.59	245.65	97.93	-718.36	-4,410.15	3,556.65	3,276.85	279.80	12.711		
8,600.00	7,073.94	7,083.94	7,083.94	54.82	245.58	97.71	-718.36	-4,410.15	3,457.83	3,177.96	279.86	12.356		
8,700.00	7,071.84	7,081.84	7,081.84	57.10	245.50	97.48	-718.36	-4,410.15	3,359.07	3,079.13	279.94	11.999		
8,800.00	7,069.73	7,079.73	7,079.73	59.44	245.43	97.26	-718.36	-4,410.15	3,260.40	2,980.35	280.05	11.642		
8,900.00	7,067.62	7,077.62	7,077.62	61.81	245.36	97.04	-718.36	-4,410.15	3,161.80	2,881.63	280.18	11.285		
9,000.00	7,065.51	7,075.51	7,075.51	64.23	245.28	96.81	-718.36	-4,410.15	3,063.30	2,782.97	280.33	10.927		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	7,073.40	7,073.40	66.68	245.21	96.59	-718.36	-4,410.15	2,964.89	2,684.37	280.52	10.569		
9,200.00	7,061.29	7,071.29	7,071.29	69.15	245.14	96.37	-718.36	-4,410.15	2,866.60	2,585.85	280.75	10.211		
9,300.00	7,059.18	7,069.18	7,069.18	71.66	245.06	96.14	-718.36	-4,410.15	2,768.42	2,487.40	281.01	9.852		
9,400.00	7,057.08	7,067.08	7,067.08	74.19	244.99	95.92	-718.36	-4,410.15	2,670.37	2,389.05	281.33	9.492		
9,500.00	7,054.97	7,064.97	7,064.97	76.75	244.91	95.69	-718.36	-4,410.15	2,572.48	2,290.78	281.70	9.132		
9,600.00	7,052.86	7,062.86	7,062.86	79.32	244.84	95.47	-718.36	-4,410.15	2,474.75	2,192.62	282.13	8.772		
9,700.00	7,050.75	7,060.75	7,060.75	81.91	244.77	95.24	-718.36	-4,410.15	2,377.21	2,094.57	282.64	8.411		
9,800.00	7,048.64	7,058.64	7,058.64	84.52	244.69	95.02	-718.36	-4,410.15	2,279.88	1,996.65	283.23	8.049		
9,900.00	7,046.53	7,056.53	7,056.53	87.14	244.62	94.79	-718.36	-4,410.15	2,182.79	1,898.87	283.92	7.688		
10,000.00	7,044.43	7,054.43	7,054.43	89.78	244.55	94.57	-718.36	-4,410.15	2,085.97	1,801.24	284.73	7.326		
10,100.00	7,042.32	7,052.32	7,052.32	92.43	244.47	94.34	-718.36	-4,410.15	1,989.47	1,703.79	285.67	6.964		
10,200.00	7,040.21	7,050.21	7,050.21	95.09	244.40	94.12	-718.36	-4,410.15	1,893.32	1,606.55	286.77	6.602		
10,300.00	7,038.10	7,048.10	7,048.10	97.76	244.33	93.89	-718.36	-4,410.15	1,797.60	1,509.54	288.06	6.240		
10,400.00	7,035.99	7,045.99	7,045.99	100.44	244.25	93.67	-718.36	-4,410.15	1,702.36	1,412.79	289.57	5.879		
10,500.00	7,033.88	7,043.88	7,043.88	103.13	244.18	93.44	-718.36	-4,410.15	1,607.70	1,316.37	291.33	5.518		
10,600.00	7,031.78	7,041.78	7,041.78	105.82	244.11	93.21	-718.36	-4,410.15	1,513.72	1,220.31	293.41	5.159		
10,700.00	7,029.67	7,039.67	7,039.67	108.53	244.03	92.99	-718.36	-4,410.15	1,420.56	1,124.72	295.85	4.802		
10,800.00	7,027.56	7,037.56	7,037.56	111.24	243.96	92.76	-718.36	-4,410.15	1,328.39	1,029.67	298.72	4.447		
10,900.00	7,025.45	7,035.45	7,035.45	113.96	243.88	92.53	-718.36	-4,410.15	1,237.44	935.32	302.12	4.096		
11,000.00	7,023.34	7,033.34	7,033.34	116.68	243.81	92.31	-718.36	-4,410.15	1,147.99	841.84	306.15	3.750		
11,100.00	7,021.23	7,031.23	7,031.23	119.41	243.74	92.08	-718.36	-4,410.15	1,060.42	749.49	310.93	3.411		
11,200.00	7,019.13	7,029.13	7,029.13	122.15	243.66	91.85	-718.36	-4,410.15	975.24	658.65	316.59	3.080		
11,300.00	7,017.02	7,027.02	7,027.02	124.89	243.59	91.63	-718.36	-4,410.15	893.13	569.85	323.28	2.763		
11,400.00	7,014.91	7,024.91	7,024.91	127.63	243.52	91.40	-718.36	-4,410.15	815.03	483.88	331.15	2.461		
11,500.00	7,012.80	7,022.80	7,022.80	130.38	243.44	91.17	-718.36	-4,410.15	742.19	401.92	340.26	2.181		
11,600.00	7,010.69	7,020.69	7,020.69	133.14	243.37	90.95	-718.36	-4,410.15	676.32	325.78	350.54	1.929		
11,700.00	7,008.58	7,018.58	7,018.58	135.89	243.30	90.72	-718.36	-4,410.15	619.65	258.08	361.57	1.714		
11,800.00	7,006.47	7,016.47	7,016.47	138.65	243.22	90.49	-718.36	-4,410.15	574.90	202.49	372.41	1.544		
11,900.00	7,004.37	7,014.37	7,014.37	141.42	243.15	90.27	-718.36	-4,410.15	545.03	163.48	381.54	1.428	Level 3	
12,000.00	7,002.26	7,012.26	7,012.26	144.19	243.08	90.04	-718.36	-4,410.15	532.53	145.33	387.20	1.375	Level 3	
12,017.38	7,001.89	7,011.89	7,011.89	144.67	243.06	90.00	-718.36	-4,410.15	532.24	144.52	387.73	1.373	Level 3, CC, ES, SF	
12,100.00	7,000.15	7,010.15	7,010.15	146.96	243.00	89.81	-718.36	-4,410.15	538.62	150.37	388.25	1.387	Level 3	
12,200.00	6,998.04	7,008.04	7,008.04	149.73	242.93	89.59	-718.36	-4,410.15	562.69	177.83	384.86	1.462	Level 3	
12,300.00	6,995.93	7,005.93	7,005.93	152.51	242.85	89.36	-718.36	-4,410.15	602.60	224.26	378.34	1.593		
12,400.00	6,993.82	7,003.82	7,003.82	155.28	242.78	89.13	-718.36	-4,410.15	655.45	285.20	370.25	1.770		
12,500.00	6,991.72	7,001.72	7,001.72	158.06	242.71	88.90	-718.36	-4,410.15	718.40	356.56	361.85	1.985		
12,600.00	6,989.61	7,000.39	6,999.61	160.85	242.66	88.68	-718.36	-4,410.15	789.04	435.17	353.87	2.230		
12,700.00	6,987.50	7,002.50	6,997.50	163.63	242.73	88.45	-718.36	-4,410.15	865.48	518.73	346.75	2.496		
12,800.00	6,985.39	7,004.61	6,995.39	166.42	242.81	88.22	-718.36	-4,410.15	946.31	605.86	340.45	2.780		
12,900.00	6,983.28	7,006.72	6,993.28	169.21	242.88	88.00	-718.36	-4,410.15	1,030.52	695.56	334.95	3.077		
13,000.00	6,981.17	7,008.83	6,991.17	172.00	242.96	87.77	-718.36	-4,410.15	1,117.32	787.14	330.18	3.384		
13,100.00	6,979.07	6,989.07	6,989.07	174.79	242.27	87.54	-718.36	-4,410.15	1,206.17	880.90	325.27	3.708		
13,200.00	6,976.96	6,986.96	6,986.96	177.59	242.19	87.32	-718.36	-4,410.15	1,296.63	975.12	321.52	4.033		
13,300.00	6,974.85	6,984.85	6,984.85	180.38	242.12	87.09	-718.36	-4,410.15	1,388.41	1,070.18	318.23	4.363		
13,400.00	6,972.74	6,982.74	6,982.74	183.18	242.04	86.87	-718.36	-4,410.15	1,481.24	1,165.90	315.34	4.697		
13,500.00	6,970.63	6,980.63	6,980.63	185.98	241.97	86.64	-718.36	-4,410.15	1,574.95	1,262.17	312.78	5.035		
13,600.00	6,968.52	6,978.52	6,978.52	188.78	241.90	86.41	-718.36	-4,410.15	1,669.39	1,358.87	310.52	5.376		
13,700.00	6,966.41	6,976.41	6,976.41	191.58	241.82	86.19	-718.36	-4,410.15	1,764.44	1,455.94	308.50	5.720		
13,800.00	6,964.31	6,974.31	6,974.31	194.39	241.75	85.96	-718.36	-4,410.15	1,860.00	1,553.32	306.69	6.065		
13,900.00	6,962.20	6,972.20	6,972.20	197.19	241.68	85.74	-718.36	-4,410.15	1,956.01	1,650.95	305.06	6.412		
14,000.00	6,960.09	6,970.09	6,970.09	200.00	241.60	85.51	-718.36	-4,410.15	2,052.40	1,748.80	303.59	6.760		
14,100.00	6,957.98	6,967.98	6,967.98	202.80	241.53	85.28	-718.36	-4,410.15	2,149.11	1,846.84	302.27	7.110		

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

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

Offset Design		Boomerang 21-5 - FRAKER #1 - 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)				
14,200.00	6,955.87	6,965.87	6,965.87	205.61	241.46	85.06	-718.36	-4,410.15	2,246.11	1,945.05	301.06	7.461			
14,300.00	6,953.76	6,963.76	6,963.76	208.42	241.38	84.83	-718.36	-4,410.15	2,343.36	2,043.40	299.96	7.812			
14,400.00	6,951.66	6,961.66	6,961.66	211.23	241.31	84.61	-718.36	-4,410.15	2,440.83	2,141.87	298.96	8.165			
14,500.00	6,949.55	6,959.55	6,959.55	214.04	241.24	84.38	-718.36	-4,410.15	2,538.50	2,240.46	298.03	8.517			
14,600.00	6,947.44	6,957.44	6,957.44	216.85	241.16	84.16	-718.36	-4,410.15	2,636.33	2,339.15	297.19	8.871			
14,700.00	6,945.33	6,955.33	6,955.33	219.66	241.09	83.94	-718.36	-4,410.15	2,734.33	2,437.92	296.41	9.225			
14,800.00	6,943.22	6,953.22	6,953.22	222.48	241.01	83.71	-718.36	-4,410.15	2,832.46	2,536.78	295.69	9.579			
14,900.00	6,941.11	6,951.11	6,951.11	225.29	240.94	83.49	-718.36	-4,410.15	2,930.72	2,635.70	295.02	9.934			
15,000.00	6,939.01	6,949.01	6,949.01	228.11	240.87	83.26	-718.36	-4,410.15	3,029.09	2,734.69	294.40	10.289			
15,100.00	6,936.90	6,946.90	6,946.90	230.92	240.79	83.04	-718.36	-4,410.15	3,127.56	2,833.74	293.82	10.644			
15,200.00	6,934.79	6,944.79	6,944.79	233.74	240.72	82.82	-718.36	-4,410.15	3,226.12	2,932.84	293.28	11.000			
15,300.00	6,932.68	6,942.68	6,942.68	236.56	240.65	82.59	-718.36	-4,410.15	3,324.77	3,031.99	292.78	11.356			
15,400.00	6,930.57	6,940.57	6,940.57	239.37	240.57	82.37	-718.36	-4,410.15	3,423.50	3,131.18	292.32	11.712			
15,500.00	6,928.46	6,938.46	6,938.46	242.19	240.50	82.15	-718.36	-4,410.15	3,522.29	3,230.42	291.88	12.068			
15,521.99	6,928.00	6,938.00	6,938.00	242.81	240.48	82.10	-718.36	-4,410.15	3,544.03	3,252.24	291.78	12.146			

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	-83.83	458.30	-4,240.13	4,264.97					
100.00	100.00	66.00	66.00	3.28	1.15	-83.83	458.30	-4,240.13	4,264.83	4,260.39	4.44	961.238		
200.00	200.00	166.00	166.00	3.34	4.05	-83.83	458.30	-4,240.13	4,264.83	4,257.44	7.39	577.374		
300.00	299.98	265.98	265.98	3.44	7.54	129.54	458.30	-4,240.13	4,265.94	4,254.96	10.98	388.522		
400.00	399.84	365.84	365.84	3.59	11.03	129.54	458.30	-4,240.13	4,269.28	4,254.66	14.62	292.072		
500.00	499.45	465.45	465.45	3.79	14.50	129.55	458.30	-4,240.13	4,274.84	4,256.54	18.29	233.667		
600.00	598.70	564.70	564.70	4.04	17.97	129.55	458.30	-4,240.13	4,282.63	4,260.63	22.00	194.637		
700.00	697.47	663.47	663.47	4.32	21.42	129.56	458.30	-4,240.13	4,292.67	4,266.93	25.73	166.804		
773.50	769.68	735.68	735.68	4.55	23.94	129.56	458.30	-4,240.13	4,301.48	4,272.99	28.49	150.993		
800.00	795.65	761.65	761.65	4.64	24.84	129.61	458.30	-4,240.13	4,304.88	4,275.39	29.48	146.013		
900.00	893.65	859.65	859.65	5.00	28.26	129.81	458.30	-4,240.13	4,317.73	4,284.48	33.25	129.863		
1,000.00	991.65	957.65	957.65	5.38	31.69	130.01	458.30	-4,240.13	4,330.64	4,293.61	37.04	116.927		
1,100.00	1,089.66	1,055.66	1,055.66	5.78	35.11	130.21	458.30	-4,240.13	4,343.61	4,302.76	40.84	106.346		
1,200.00	1,187.66	1,153.66	1,153.66	6.20	38.53	130.41	458.30	-4,240.13	4,356.62	4,311.95	44.67	97.537		
1,300.00	1,285.66	1,251.66	1,251.66	6.63	41.95	130.60	458.30	-4,240.13	4,369.69	4,321.19	48.50	90.096		
1,400.00	1,383.67	1,349.67	1,349.67	7.07	45.37	130.80	458.30	-4,240.13	4,382.80	4,330.46	52.34	83.730		
1,500.00	1,481.67	1,447.67	1,447.67	7.51	48.79	130.99	458.30	-4,240.13	4,395.97	4,339.78	56.20	78.225		
1,600.00	1,579.67	1,545.67	1,545.67	7.97	52.21	131.19	458.30	-4,240.13	4,409.19	4,349.14	60.06	73.419		
1,700.00	1,677.67	1,643.67	1,643.67	8.43	55.64	131.38	458.30	-4,240.13	4,422.46	4,358.54	63.92	69.187		
1,800.00	1,775.68	1,741.68	1,741.68	8.90	59.06	131.57	458.30	-4,240.13	4,435.78	4,367.99	67.79	65.435		
1,900.00	1,873.68	1,839.68	1,839.68	9.37	62.48	131.76	458.30	-4,240.13	4,449.15	4,377.48	71.66	62.085		
2,000.00	1,971.68	1,937.68	1,937.68	9.84	65.90	131.95	458.30	-4,240.13	4,462.56	4,387.02	75.54	59.076		
2,100.00	2,069.69	2,035.69	2,035.69	10.32	69.32	132.13	458.30	-4,240.13	4,476.03	4,396.61	79.42	56.360		
2,200.00	2,167.69	2,133.69	2,133.69	10.80	72.74	132.32	458.30	-4,240.13	4,489.54	4,406.24	83.30	53.895		
2,300.00	2,265.69	2,231.69	2,231.69	11.28	76.16	132.50	458.30	-4,240.13	4,503.10	4,415.91	87.19	51.650		
2,400.00	2,363.69	2,329.69	2,329.69	11.77	79.58	132.69	458.30	-4,240.13	4,516.70	4,425.63	91.07	49.595		
2,500.00	2,461.70	2,427.70	2,427.70	12.25	83.01	132.87	458.30	-4,240.13	4,530.35	4,435.40	94.96	47.709		
2,600.00	2,559.70	2,525.70	2,525.70	12.74	86.43	133.05	458.30	-4,240.13	4,544.05	4,445.21	98.85	45.970		
2,700.00	2,657.70	2,623.70	2,623.70	13.23	89.85	133.23	458.30	-4,240.13	4,557.80	4,455.06	102.74	44.363		
2,800.00	2,755.71	2,721.71	2,721.71	13.72	93.27	133.41	458.30	-4,240.13	4,571.59	4,464.96	106.63	42.874		
2,900.00	2,853.71	2,819.71	2,819.71	14.21	96.69	133.59	458.30	-4,240.13	4,585.42	4,474.90	110.52	41.489		
3,000.00	2,951.71	2,917.71	2,917.71	14.70	100.11	133.77	458.30	-4,240.13	4,599.30	4,484.88	114.41	40.198		
3,100.00	3,049.71	3,015.71	3,015.71	15.20	103.53	133.95	458.30	-4,240.13	4,613.22	4,494.91	118.31	38.993		
3,200.00	3,147.72	3,113.72	3,113.72	15.69	106.95	134.12	458.30	-4,240.13	4,627.19	4,504.98	122.20	37.865		
3,300.00	3,245.72	3,211.72	3,211.72	16.19	110.38	134.30	458.30	-4,240.13	4,641.19	4,515.10	126.10	36.806		
3,400.00	3,343.72	3,309.72	3,309.72	16.69	113.80	134.47	458.30	-4,240.13	4,655.25	4,525.25	129.99	35.811		
3,500.00	3,441.73	3,407.73	3,407.73	17.18	117.22	134.64	458.30	-4,240.13	4,669.34	4,535.45	133.89	34.875		
3,600.00	3,539.73	3,505.73	3,505.73	17.68	120.64	134.81	458.30	-4,240.13	4,683.48	4,545.69	137.78	33.991		
3,700.00	3,637.73	3,603.73	3,603.73	18.18	124.06	134.98	458.30	-4,240.13	4,697.65	4,555.97	141.68	33.156		
3,800.00	3,735.73	3,701.73	3,701.73	18.68	127.48	135.15	458.30	-4,240.13	4,711.87	4,566.29	145.58	32.367		
3,900.00	3,833.74	3,800.26	3,799.74	19.18	130.92	135.32	458.30	-4,240.13	4,726.13	4,576.64	149.49	31.614		
4,000.00	3,931.74	3,902.26	3,897.74	19.67	134.48	135.49	458.30	-4,240.13	4,740.43	4,586.90	153.53	30.876		
4,100.00	4,029.74	4,004.26	3,995.74	20.17	138.04	135.66	458.30	-4,240.13	4,754.77	4,597.21	157.57	30.176		
4,200.00	4,127.75	4,106.25	4,093.75	20.67	141.60	135.82	458.30	-4,240.13	4,769.15	4,607.55	161.60	29.511		
4,300.00	4,225.75	4,208.25	4,191.75	21.18	145.16	135.99	458.30	-4,240.13	4,783.57	4,617.93	165.64	28.879		
4,400.00	4,323.75	4,289.75	4,289.75	21.68	148.01	136.15	458.30	-4,240.13	4,798.03	4,629.07	169.96	28.397		
4,500.00	4,421.76	4,387.76	4,387.76	22.18	151.43	136.31	458.30	-4,240.13	4,812.53	4,639.67	172.86	27.841		
4,600.00	4,519.76	4,485.76	4,485.76	22.68	154.85	136.47	458.30	-4,240.13	4,827.07	4,650.31	176.76	27.309		
4,700.00	4,617.76	4,583.76	4,583.76	23.18	158.27	136.63	458.30	-4,240.13	4,841.64	4,660.98	180.66	26.800		
4,800.00	4,715.76	4,681.76	4,681.76	23.68	161.70	136.79	458.30	-4,240.13	4,856.25	4,671.70	184.55	26.313		
4,900.00	4,813.77	4,779.77	4,779.77	24.18	165.12	136.95	458.30	-4,240.13	4,870.90	4,682.45	188.45	25.847		
5,000.00	4,911.77	4,877.77	4,877.77	24.69	168.54	137.11	458.30	-4,240.13	4,885.59	4,693.24	192.35	25.399		

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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	4,975.77	4,975.77	25.19	171.96	137.27	458.30	-4,240.13	4,900.31	4,704.06	196.25	24.970		
5,200.00	5,107.78	5,073.78	5,073.78	25.69	175.38	137.42	458.30	-4,240.13	4,915.07	4,714.92	200.15	24.557		
5,300.00	5,205.78	5,171.78	5,171.78	26.19	178.80	137.58	458.30	-4,240.13	4,929.86	4,725.82	204.04	24.161		
5,400.00	5,303.78	5,269.78	5,269.78	26.70	182.22	137.73	458.30	-4,240.13	4,944.69	4,736.75	207.94	23.779		
5,500.00	5,401.78	5,367.78	5,367.78	27.20	185.64	137.88	458.30	-4,240.13	4,959.56	4,747.72	211.84	23.412		
5,600.00	5,499.79	5,465.79	5,465.79	27.70	189.07	138.04	458.30	-4,240.13	4,974.46	4,758.72	215.74	23.058		
5,700.00	5,597.79	5,563.79	5,563.79	28.21	192.49	138.19	458.30	-4,240.13	4,989.40	4,769.76	219.64	22.717		
5,800.00	5,695.79	5,661.79	5,661.79	28.71	195.91	138.34	458.30	-4,240.13	5,004.37	4,780.84	223.53	22.388		
5,900.00	5,793.80	5,759.80	5,759.80	29.22	199.33	138.49	458.30	-4,240.13	5,019.37	4,791.94	227.43	22.070		
6,000.00	5,891.80	5,857.80	5,857.80	29.72	202.75	138.64	458.30	-4,240.13	5,034.41	4,803.08	231.33	21.763		
6,100.00	5,989.80	5,955.80	5,955.80	30.22	206.17	138.78	458.30	-4,240.13	5,049.48	4,814.26	235.23	21.467		
6,200.00	6,087.80	6,053.80	6,053.80	30.73	209.59	138.93	458.30	-4,240.13	5,064.59	4,825.46	239.12	21.180		
6,300.00	6,185.81	6,151.81	6,151.81	31.23	213.01	139.08	458.30	-4,240.13	5,079.73	4,836.71	243.02	20.902		
6,400.00	6,283.81	6,249.81	6,249.81	31.74	216.44	139.22	458.30	-4,240.13	5,094.90	4,847.98	246.92	20.634		
6,500.00	6,381.81	6,347.81	6,347.81	32.24	219.86	139.37	458.30	-4,240.13	5,110.10	4,859.28	250.82	20.374		
6,520.79	6,402.19	6,368.19	6,368.19	32.35	220.57	139.40	458.30	-4,240.13	5,113.26	4,861.64	251.63	20.321		
6,550.00	6,430.87	6,403.13	6,396.87	32.49	221.79	126.95	458.30	-4,240.13	5,117.08	4,864.10	252.98	20.227		
6,600.00	6,480.12	6,446.12	6,446.12	32.72	223.29	101.61	458.30	-4,240.13	5,120.69	4,865.98	254.71	20.104		
6,650.00	6,529.30	6,504.70	6,495.30	32.93	225.33	78.61	458.30	-4,240.13	5,120.57	4,863.61	256.97	19.927		
6,700.00	6,578.09	6,544.09	6,544.09	33.12	226.71	62.89	458.30	-4,240.13	5,116.76	4,858.22	258.53	19.791		
6,750.00	6,626.21	6,607.79	6,592.21	33.30	228.93	53.12	458.30	-4,240.13	5,109.26	4,848.33	260.93	19.581		
6,800.00	6,673.34	6,639.34	6,639.34	33.46	230.03	47.02	458.30	-4,240.13	5,098.14	4,835.96	262.18	19.445		
6,850.00	6,719.21	6,685.21	6,685.21	33.61	231.64	43.15	458.30	-4,240.13	5,083.47	4,819.56	263.92	19.262		
6,900.00	6,763.53	6,729.53	6,729.53	33.75	233.18	40.73	458.30	-4,240.13	5,065.35	4,799.78	265.58	19.073		
6,950.00	6,806.03	6,772.03	6,772.03	33.89	234.67	39.32	458.30	-4,240.13	5,043.91	4,776.75	267.16	18.880		
7,000.00	6,846.44	6,812.44	6,812.44	34.02	236.08	38.69	458.30	-4,240.13	5,019.27	4,750.62	268.66	18.683		
7,050.00	6,884.52	6,850.52	6,850.52	34.15	237.41	38.69	458.30	-4,240.13	4,991.61	4,721.55	270.06	18.484		
7,100.00	6,920.03	6,886.03	6,886.03	34.27	238.65	39.29	458.30	-4,240.13	4,961.09	4,689.73	271.36	18.282		
7,150.00	6,952.75	6,918.75	6,918.75	34.40	239.79	40.46	458.30	-4,240.13	4,927.91	4,655.35	272.56	18.080		
7,200.00	6,982.48	6,948.48	6,948.48	34.54	240.83	42.24	458.30	-4,240.13	4,892.29	4,618.64	273.64	17.878		
7,250.00	7,009.04	6,975.04	6,975.04	34.70	241.75	44.71	458.30	-4,240.13	4,854.44	4,579.82	274.62	17.677		
7,300.00	7,032.26	7,001.74	6,998.26	34.87	242.69	47.97	458.30	-4,240.13	4,814.61	4,539.01	275.60	17.470		
7,350.00	7,052.00	7,018.00	7,018.00	35.08	243.25	52.18	458.30	-4,240.13	4,773.04	4,496.82	276.22	17.280		
7,400.00	7,068.14	7,034.14	7,034.14	35.34	243.82	57.54	458.30	-4,240.13	4,729.99	4,453.15	276.84	17.086		
7,450.00	7,080.57	7,046.57	7,046.57	35.65	244.25	64.24	458.30	-4,240.13	4,685.74	4,408.40	277.34	16.895		
7,500.00	7,089.23	7,055.23	7,055.23	36.01	244.55	72.42	458.30	-4,240.13	4,640.54	4,362.82	277.72	16.709		
7,550.00	7,094.06	7,060.06	7,060.06	36.44	244.72	82.05	458.30	-4,240.13	4,594.68	4,316.70	277.98	16.529		
7,601.12	7,095.00	7,061.00	7,061.00	36.93	244.75	92.99	458.30	-4,240.13	4,547.40	4,269.28	278.12	16.350		
7,700.00	7,092.92	7,058.92	7,058.92	38.05	244.68	92.92	458.30	-4,240.13	4,455.90	4,177.61	278.29	16.012		
7,800.00	7,090.81	7,056.81	7,056.81	39.40	244.61	92.85	458.30	-4,240.13	4,363.69	4,085.17	278.52	15.667		
7,900.00	7,088.70	7,054.70	7,054.70	40.93	244.53	92.77	458.30	-4,240.13	4,271.83	3,993.02	278.81	15.322		
8,000.00	7,086.59	7,052.59	7,052.59	42.61	244.46	92.70	458.30	-4,240.13	4,180.35	3,901.19	279.16	14.975		
8,100.00	7,084.49	7,050.49	7,050.49	44.41	244.39	92.63	458.30	-4,240.13	4,089.26	3,809.67	279.58	14.626		
8,200.00	7,082.38	7,048.38	7,048.38	46.33	244.31	92.56	458.30	-4,240.13	3,998.59	3,718.51	280.08	14.277		
8,300.00	7,080.27	7,046.27	7,046.27	48.34	244.24	92.49	458.30	-4,240.13	3,908.38	3,627.72	280.66	13.926		
8,400.00	7,078.16	7,044.16	7,044.16	50.43	244.17	92.42	458.30	-4,240.13	3,818.66	3,537.33	281.33	13.574		
8,500.00	7,076.05	7,042.05	7,042.05	52.59	244.09	92.35	458.30	-4,240.13	3,729.46	3,447.37	282.09	13.221		
8,600.00	7,073.94	7,039.94	7,039.94	54.82	244.02	92.28	458.30	-4,240.13	3,640.82	3,357.87	282.95	12.867		
8,700.00	7,071.84	7,037.84	7,037.84	57.10	243.95	92.21	458.30	-4,240.13	3,552.78	3,268.86	283.92	12.513		
8,800.00	7,069.73	7,035.73	7,035.73	59.44	243.87	92.14	458.30	-4,240.13	3,465.39	3,180.39	285.00	12.159		
8,900.00	7,067.62	7,033.62	7,033.62	61.81	243.80	92.07	458.30	-4,240.13	3,378.69	3,092.50	286.20	11.805		
9,000.00	7,065.51	7,031.51	7,031.51	64.23	243.72	92.00	458.30	-4,240.13	3,292.75	3,005.23	287.52	11.452		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	7,063.40	7,029.40	7,029.40	66.68	243.65	91.93	458.30	-4,240.13	3,207.63	2,918.64	288.98	11.100		
9,200.00	7,061.29	7,027.29	7,027.29	69.15	243.58	91.85	458.30	-4,240.13	3,123.38	2,832.80	290.59	10.749		
9,300.00	7,059.18	7,025.18	7,025.18	71.66	243.50	91.78	458.30	-4,240.13	3,040.09	2,747.76	292.33	10.399		
9,400.00	7,057.08	7,023.08	7,023.08	74.19	243.43	91.71	458.30	-4,240.13	2,957.83	2,663.59	294.24	10.053		
9,500.00	7,054.97	7,020.97	7,020.97	76.75	243.36	91.64	458.30	-4,240.13	2,876.69	2,580.40	296.30	9.709		
9,600.00	7,052.86	7,018.86	7,018.86	79.32	243.28	91.57	458.30	-4,240.13	2,796.78	2,498.25	298.53	9.368		
9,700.00	7,050.75	7,016.75	7,016.75	81.91	243.21	91.50	458.30	-4,240.13	2,718.19	2,417.26	300.94	9.032		
9,800.00	7,048.64	7,014.64	7,014.64	84.52	243.14	91.43	458.30	-4,240.13	2,641.05	2,337.53	303.52	8.701		
9,900.00	7,046.53	7,012.53	7,012.53	87.14	243.06	91.36	458.30	-4,240.13	2,565.49	2,259.19	306.29	8.376		
10,000.00	7,044.43	7,010.43	7,010.43	89.78	242.99	91.29	458.30	-4,240.13	2,491.64	2,182.39	309.26	8.057		
10,100.00	7,042.32	7,008.32	7,008.32	92.43	242.92	91.22	458.30	-4,240.13	2,419.68	2,107.27	312.41	7.745		
10,200.00	7,040.21	7,006.21	7,006.21	95.09	242.84	91.15	458.30	-4,240.13	2,349.76	2,034.00	315.76	7.442		
10,300.00	7,038.10	7,004.10	7,004.10	97.76	242.77	91.08	458.30	-4,240.13	2,282.09	1,962.79	319.30	7.147		
10,400.00	7,035.99	7,001.99	7,001.99	100.44	242.69	91.00	458.30	-4,240.13	2,216.86	1,893.82	323.04	6.863		
10,500.00	7,033.88	7,000.12	6,999.88	103.13	242.63	90.93	458.30	-4,240.13	2,154.29	1,827.34	326.96	6.589		
10,600.00	7,031.78	7,002.22	6,997.78	105.82	242.70	90.86	458.30	-4,240.13	2,094.63	1,763.44	331.19	6.325		
10,700.00	7,029.67	7,004.33	6,995.67	108.53	242.78	90.79	458.30	-4,240.13	2,038.14	1,702.56	335.57	6.074		
10,800.00	7,027.56	7,006.44	6,993.56	111.24	242.85	90.72	458.30	-4,240.13	1,985.07	1,644.98	340.08	5.837		
10,900.00	7,025.45	7,008.55	6,991.45	113.96	242.92	90.65	458.30	-4,240.13	1,935.71	1,591.02	344.69	5.616		
11,000.00	7,023.34	6,989.34	6,989.34	116.68	242.25	90.58	458.30	-4,240.13	1,890.36	1,541.74	348.62	5.422		
11,100.00	7,021.23	6,987.23	6,987.23	119.41	242.18	90.51	458.30	-4,240.13	1,849.30	1,496.15	353.15	5.237		
11,200.00	7,019.13	6,985.13	6,985.13	122.15	242.11	90.44	458.30	-4,240.13	1,812.84	1,455.19	357.65	5.069		
11,300.00	7,017.02	6,983.02	6,983.02	124.89	242.03	90.37	458.30	-4,240.13	1,781.24	1,419.20	362.04	4.920		
11,400.00	7,014.91	6,980.91	6,980.91	127.63	241.96	90.30	458.30	-4,240.13	1,754.78	1,388.51	366.28	4.791		
11,500.00	7,012.80	6,978.80	6,978.80	130.38	241.88	90.23	458.30	-4,240.13	1,733.70	1,363.42	370.28	4.682		
11,600.00	7,010.69	6,976.69	6,976.69	133.14	241.81	90.15	458.30	-4,240.13	1,718.17	1,344.18	373.99	4.594		
11,700.00	7,008.58	6,974.58	6,974.58	135.89	241.74	90.08	458.30	-4,240.13	1,708.37	1,331.02	377.35	4.527		
11,800.00	7,006.47	6,972.47	6,972.47	138.65	241.66	90.01	458.30	-4,240.13	1,704.39	1,324.07	380.32	4.482		
11,818.00	7,006.10	6,972.10	6,972.10	139.15	241.65	90.00	458.30	-4,240.13	1,704.29	1,323.49	380.80	4.476 CC		
11,900.00	7,004.37	6,970.37	6,970.37	141.42	241.59	89.94	458.30	-4,240.13	1,706.27	1,323.43	382.84	4.457 ES		
12,000.00	7,002.26	6,968.26	6,968.26	144.19	241.52	89.87	458.30	-4,240.13	1,713.98	1,329.09	384.89	4.453 SF		
12,100.00	7,000.15	6,966.15	6,966.15	146.96	241.44	89.80	458.30	-4,240.13	1,727.46	1,340.99	386.47	4.470		
12,200.00	6,998.04	6,964.04	6,964.04	149.73	241.37	89.73	458.30	-4,240.13	1,746.56	1,358.99	387.58	4.506		
12,300.00	6,995.93	6,961.93	6,961.93	152.51	241.30	89.66	458.30	-4,240.13	1,771.11	1,382.88	388.23	4.562		
12,400.00	6,993.82	6,959.82	6,959.82	155.28	241.22	89.59	458.30	-4,240.13	1,800.89	1,412.43	388.46	4.636		
12,500.00	6,991.72	6,957.72	6,957.72	158.06	241.15	89.52	458.30	-4,240.13	1,835.63	1,447.33	388.30	4.727		
12,600.00	6,989.61	6,955.61	6,955.61	160.85	241.08	89.45	458.30	-4,240.13	1,875.06	1,487.26	387.80	4.835		
12,700.00	6,987.50	6,953.50	6,953.50	163.63	241.00	89.37	458.30	-4,240.13	1,918.90	1,531.90	387.00	4.958		
12,800.00	6,985.39	6,951.39	6,951.39	166.42	240.93	89.30	458.30	-4,240.13	1,966.85	1,580.91	385.95	5.096		
12,900.00	6,983.28	6,949.28	6,949.28	169.21	240.85	89.23	458.30	-4,240.13	2,018.62	1,633.93	384.69	5.247		
13,000.00	6,981.17	6,947.17	6,947.17	172.00	240.78	89.16	458.30	-4,240.13	2,073.91	1,690.66	383.26	5.411		
13,100.00	6,979.07	6,945.07	6,945.07	174.79	240.71	89.09	458.30	-4,240.13	2,132.46	1,750.77	381.70	5.587		
13,200.00	6,976.96	6,942.96	6,942.96	177.59	240.63	89.02	458.30	-4,240.13	2,194.01	1,813.97	380.04	5.773		
13,300.00	6,974.85	6,940.85	6,940.85	180.38	240.56	88.95	458.30	-4,240.13	2,258.31	1,879.99	378.32	5.969		
13,400.00	6,972.74	6,938.74	6,938.74	183.18	240.49	88.88	458.30	-4,240.13	2,325.13	1,948.58	376.55	6.175		
13,500.00	6,970.63	6,936.63	6,936.63	185.98	240.41	88.81	458.30	-4,240.13	2,394.26	2,019.50	374.76	6.389		
13,600.00	6,968.52	6,934.52	6,934.52	188.78	240.34	88.74	458.30	-4,240.13	2,465.51	2,092.55	372.96	6.611		
13,700.00	6,966.41	6,932.41	6,932.41	191.58	240.27	88.67	458.30	-4,240.13	2,538.69	2,167.53	371.17	6.840		
13,800.00	6,964.31	6,930.31	6,930.31	194.39	240.19	88.60	458.30	-4,240.13	2,613.65	2,244.26	369.39	7.076		
13,900.00	6,962.20	6,928.20	6,928.20	197.19	240.12	88.52	458.30	-4,240.13	2,690.24	2,322.60	367.65	7.317		
14,000.00	6,960.09	6,926.09	6,926.09	200.00	240.04	88.45	458.30	-4,240.13	2,768.32	2,402.39	365.93	7.565		
14,100.00	6,957.98	6,923.98	6,923.98	202.80	239.97	88.38	458.30	-4,240.13	2,847.77	2,483.51	364.26	7.818		

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

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - FRAKER J #6-2 - OH - OH												Offset Well Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,200.00	6,955.87	6,921.87	6,921.87	205.61	239.90	88.31	458.30	-4,240.13	2,928.48	2,565.86	362.63	8.076	
14,300.00	6,953.76	6,919.76	6,919.76	208.42	239.82	88.24	458.30	-4,240.13	3,010.35	2,649.31	361.04	8.338	
14,400.00	6,951.66	6,917.66	6,917.66	211.23	239.75	88.17	458.30	-4,240.13	3,093.28	2,733.78	359.50	8.604	
14,500.00	6,949.55	6,915.55	6,915.55	214.04	239.68	88.10	458.30	-4,240.13	3,177.19	2,819.19	358.00	8.875	
14,600.00	6,947.44	6,913.44	6,913.44	216.85	239.60	88.03	458.30	-4,240.13	3,262.01	2,905.45	356.56	9.149	
14,700.00	6,945.33	6,911.33	6,911.33	219.66	239.53	87.96	458.30	-4,240.13	3,347.66	2,992.51	355.15	9.426	
14,800.00	6,943.22	6,909.22	6,909.22	222.48	239.46	87.89	458.30	-4,240.13	3,434.09	3,080.29	353.80	9.706	
14,900.00	6,941.11	6,907.11	6,907.11	225.29	239.38	87.82	458.30	-4,240.13	3,521.24	3,168.74	352.49	9.990	
15,000.00	6,939.01	6,905.01	6,905.01	228.11	239.31	87.75	458.30	-4,240.13	3,609.05	3,257.82	351.23	10.276	
15,100.00	6,936.90	6,902.90	6,902.90	230.92	239.24	87.68	458.30	-4,240.13	3,697.48	3,347.47	350.01	10.564	
15,200.00	6,934.79	6,900.79	6,900.79	233.74	239.16	87.60	458.30	-4,240.13	3,786.48	3,437.65	348.83	10.855	
15,300.00	6,932.68	6,901.32	6,898.68	236.56	239.18	87.53	458.30	-4,240.13	3,876.02	3,528.24	347.78	11.145	
15,400.00	6,930.57	6,903.43	6,896.57	239.37	239.25	87.46	458.30	-4,240.13	3,966.06	3,619.23	346.83	11.435	
15,500.00	6,928.46	6,905.54	6,894.46	242.19	239.33	87.39	458.30	-4,240.13	4,056.56	3,710.64	345.92	11.727	
15,521.99	6,928.00	6,906.00	6,894.00	242.81	239.34	87.38	458.30	-4,240.13	4,076.52	3,730.80	345.72	11.791	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	69.15	940.03	2,467.70	2,640.69					
100.00	100.00	92.48	92.48	3.28	3.29	69.15	940.06	2,467.76	2,640.75	2,634.18	6.57	401.897		
200.00	200.00	194.76	194.76	3.34	3.34	69.14	940.19	2,467.82	2,640.85	2,634.17	6.68	395.625		
300.00	299.98	305.74	305.73	3.44	3.46	-77.54	940.44	2,467.54	2,640.32	2,633.42	6.90	382.789		
400.00	399.84	412.49	412.49	3.59	3.63	-77.71	940.71	2,466.87	2,638.70	2,631.48	7.22	365.557		
500.00	499.45	518.97	518.96	3.79	3.85	-77.96	940.89	2,465.89	2,636.05	2,628.42	7.63	345.289		
600.00	598.70	614.00	613.99	4.04	4.07	-78.28	940.81	2,465.10	2,632.71	2,624.61	8.10	324.828		
700.00	697.47	710.53	710.51	4.32	4.33	-78.69	940.84	2,464.37	2,628.86	2,620.21	8.65	303.976		
773.50	769.68	784.87	784.86	4.55	4.55	-79.05	941.01	2,463.76	2,625.66	2,616.56	9.10	288.611		
800.00	795.65	811.60	811.59	4.64	4.63	-79.17	941.08	2,463.51	2,624.44	2,615.18	9.27	283.206		
900.00	893.65	910.93	910.91	5.00	4.94	-79.61	941.29	2,462.58	2,619.91	2,609.98	9.93	263.776		
1,000.00	991.65	1,011.20	1,011.17	5.38	5.26	-80.05	941.48	2,461.59	2,615.48	2,604.83	10.64	245.780		
1,100.00	1,089.66	1,119.13	1,119.10	5.78	5.63	-80.53	941.71	2,460.21	2,610.94	2,599.53	11.41	228.816		
1,200.00	1,187.66	1,223.87	1,223.82	6.20	6.01	-81.00	941.79	2,458.52	2,606.21	2,594.01	12.20	213.676		
1,300.00	1,285.66	1,319.58	1,319.52	6.63	6.35	-81.43	941.90	2,456.88	2,601.58	2,588.60	12.97	200.532		
1,400.00	1,383.67	1,414.67	1,414.59	7.07	6.71	-81.86	942.24	2,455.29	2,597.23	2,583.47	13.77	188.681		
1,500.00	1,481.67	1,517.93	1,517.84	7.51	7.10	-82.33	942.45	2,453.50	2,592.93	2,578.33	14.60	177.572		
1,600.00	1,579.67	1,611.88	1,611.78	7.97	7.46	-82.76	942.64	2,451.89	2,588.81	2,573.40	15.42	167.919		
1,700.00	1,677.67	1,712.39	1,712.27	8.43	7.85	-83.22	942.83	2,450.19	2,584.88	2,568.61	16.27	158.902		
1,800.00	1,775.68	1,814.74	1,814.60	8.90	8.25	-83.69	942.93	2,448.29	2,580.92	2,563.78	17.13	150.635		
1,900.00	1,873.68	1,903.88	1,903.73	9.37	8.60	-84.10	943.13	2,446.70	2,577.24	2,559.28	17.96	143.524		
2,000.00	1,971.68	1,985.51	1,985.35	9.84	8.92	-84.48	943.60	2,445.54	2,574.20	2,555.45	18.76	137.243		
2,100.00	2,069.69	2,076.64	2,076.46	10.32	9.29	-84.91	944.44	2,444.56	2,571.79	2,552.20	19.60	131.228		
2,200.00	2,167.69	2,169.00	2,168.81	10.80	9.66	-85.35	945.71	2,443.55	2,569.75	2,549.30	20.45	125.666		
2,300.00	2,265.69	2,260.01	2,259.79	11.28	10.03	-85.81	947.69	2,442.38	2,568.12	2,546.82	21.30	120.572		
2,400.00	2,363.69	2,353.52	2,353.26	11.77	10.41	-86.28	950.06	2,441.25	2,566.91	2,544.75	22.16	115.814		
2,500.00	2,461.70	2,439.09	2,438.79	12.25	10.76	-86.71	952.52	2,440.22	2,566.08	2,543.08	23.00	111.572		
2,540.21	2,501.10	2,469.58	2,469.26	12.45	10.89	-86.87	953.56	2,439.93	2,566.00	2,542.68	23.32	110.037 CC		
2,600.00	2,559.70	2,518.17	2,517.82	12.74	11.09	-87.13	955.41	2,439.60	2,566.17	2,542.36	23.81	107.779		
2,700.00	2,657.70	2,610.96	2,610.54	13.23	11.47	-87.61	958.99	2,439.17	2,566.85	2,542.17	24.68	104.010 ES		
2,800.00	2,755.71	2,705.95	2,705.45	13.72	11.86	-88.11	962.84	2,438.76	2,567.87	2,542.31	25.56	100.465		
2,900.00	2,853.71	2,794.42	2,793.84	14.21	12.23	-88.57	966.61	2,438.48	2,569.32	2,542.91	26.41	97.269		
3,000.00	2,951.71	2,866.85	2,866.19	14.70	12.53	-88.95	969.82	2,438.72	2,571.59	2,544.39	27.20	94.548		
3,100.00	3,049.71	2,954.90	2,954.15	15.20	12.90	-89.40	973.85	2,439.81	2,574.88	2,546.82	28.05	91.793		
3,200.00	3,147.72	3,048.22	3,047.37	15.69	13.29	-89.88	978.04	2,441.03	2,578.39	2,549.46	28.93	89.133		
3,300.00	3,245.72	3,137.45	3,136.49	16.19	13.66	-90.33	982.19	2,442.48	2,582.45	2,552.66	29.79	86.700		
3,400.00	3,343.72	3,231.84	3,230.76	16.69	14.06	-90.80	986.48	2,444.28	2,586.88	2,556.21	30.67	84.350		
3,500.00	3,441.73	3,330.96	3,329.78	17.18	14.48	-91.27	990.28	2,446.75	2,591.57	2,560.00	31.57	82.082		
3,600.00	3,539.73	3,432.97	3,431.70	17.68	14.90	-91.75	993.80	2,449.27	2,596.20	2,563.71	32.49	79.903		
3,700.00	3,637.73	3,527.61	3,526.24	18.18	15.30	-92.20	997.14	2,451.68	2,601.11	2,567.73	33.38	77.930		
3,800.00	3,735.73	3,647.47	3,646.02	18.68	15.80	-92.74	1,000.57	2,454.89	2,605.94	2,571.56	34.38	75.796		
3,900.00	3,833.74	3,769.08	3,767.58	19.18	16.31	-93.27	1,002.55	2,457.50	2,609.72	2,574.32	35.39	73.738		
4,000.00	3,931.74	3,877.45	3,875.92	19.67	16.76	-93.74	1,003.98	2,459.38	2,613.19	2,576.85	36.34	71.904		
4,100.00	4,029.74	3,988.00	3,986.46	20.17	17.22	-94.23	1,005.19	2,460.89	2,616.39	2,579.08	37.30	70.137		
4,200.00	4,127.75	4,093.80	4,092.25	20.67	17.66	-94.69	1,006.31	2,461.82	2,619.33	2,581.09	38.24	68.490		
4,300.00	4,225.75	4,187.96	4,186.39	21.18	18.06	-95.11	1,007.52	2,462.37	2,622.35	2,583.22	39.13	67.011		
4,400.00	4,323.75	4,285.09	4,283.51	21.68	18.46	-95.55	1,008.97	2,462.92	2,625.64	2,585.60	40.04	65.581		
4,500.00	4,421.76	4,387.50	4,385.91	22.18	18.89	-96.02	1,010.83	2,463.12	2,629.02	2,588.05	40.96	64.180		
4,600.00	4,519.76	4,541.87	4,540.25	22.68	19.55	-96.74	1,013.05	2,461.57	2,631.43	2,589.32	42.11	62.486		
4,700.00	4,617.76	4,664.70	4,663.03	23.18	20.06	-97.33	1,014.04	2,458.29	2,632.35	2,589.23	43.12	61.046		
4,800.00	4,715.76	4,771.96	4,770.23	23.68	20.52	-97.85	1,014.57	2,454.91	2,632.92	2,588.86	44.06	59.751		
4,900.00	4,813.77	4,868.43	4,866.65	24.18	20.93	-98.31	1,014.99	2,451.66	2,633.49	2,588.52	44.97	58.565		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,911.77	4,969.79	4,967.95	24.69	21.35	-98.80	1,015.47	2,448.27	2,634.29	2,588.41	45.89	57.407		
5,100.00	5,009.77	5,063.55	5,061.65	25.19	21.75	-99.26	1,015.96	2,444.95	2,635.17	2,588.39	46.78	56.332		
5,200.00	5,107.78	5,164.76	5,162.80	25.69	22.18	-99.75	1,016.65	2,441.44	2,636.39	2,588.69	47.70	55.270		
5,300.00	5,205.78	5,263.82	5,261.80	26.19	22.60	-100.22	1,016.86	2,438.08	2,637.54	2,588.93	48.61	54.257		
5,400.00	5,303.78	5,349.98	5,347.92	26.70	22.97	-100.63	1,016.92	2,435.50	2,639.06	2,589.59	49.47	53.346		
5,500.00	5,401.78	5,448.94	5,446.86	27.20	23.39	-101.08	1,016.99	2,433.17	2,641.21	2,590.83	50.38	52.424		
5,600.00	5,499.79	5,550.04	5,547.92	27.70	23.81	-101.55	1,016.68	2,430.48	2,643.04	2,591.74	51.30	51.520		
5,700.00	5,597.79	5,631.26	5,629.12	28.21	24.16	-101.92	1,016.71	2,428.51	2,645.45	2,593.32	52.14	50.740		
5,800.00	5,695.79	5,711.31	5,709.16	28.71	24.50	-102.28	1,016.85	2,427.28	2,648.72	2,595.76	52.97	50.008		
5,900.00	5,793.80	5,807.82	5,805.66	29.22	24.91	-102.71	1,017.15	2,426.10	2,652.47	2,598.61	53.86	49.243		
6,000.00	5,891.80	5,905.56	5,903.38	29.72	25.32	-103.15	1,017.70	2,424.67	2,656.40	2,601.63	54.77	48.502		
6,100.00	5,989.80	5,986.26	5,984.07	30.22	25.66	-103.51	1,018.58	2,423.45	2,660.83	2,605.23	55.60	47.861		
6,200.00	6,087.80	6,061.85	6,059.64	30.73	25.99	-103.86	1,019.90	2,422.54	2,666.10	2,609.70	56.39	47.276		
6,300.00	6,185.81	6,149.35	6,147.11	31.23	26.36	-104.27	1,022.03	2,421.80	2,672.27	2,615.02	57.25	46.679		
6,400.00	6,283.81	6,243.15	6,240.87	31.74	26.76	-104.71	1,024.75	2,420.58	2,678.67	2,620.54	58.13	46.081		
6,500.00	6,381.81	6,341.27	6,338.93	32.24	27.17	-105.17	1,027.79	2,419.49	2,685.51	2,626.48	59.03	45.492		
6,520.79	6,402.19	6,366.37	6,364.02	32.35	27.28	-105.29	1,028.52	2,419.17	2,686.90	2,627.66	59.24	45.354		
6,550.00	6,430.87	6,401.71	6,399.35	32.49	27.43	-117.98	1,029.49	2,418.67	2,689.27	2,629.74	59.54	45.170		
6,600.00	6,480.12	6,454.74	6,452.34	32.72	27.66	-143.90	1,030.93	2,417.76	2,695.37	2,635.38	59.99	44.932		
6,650.00	6,529.30	6,507.94	6,505.51	32.93	27.88	-167.71	1,032.45	2,416.65	2,704.03	2,643.61	60.42	44.754		
6,700.00	6,578.09	6,548.93	6,546.48	33.12	28.06	175.54	1,033.65	2,415.82	2,715.31	2,654.53	60.78	44.677		
6,750.00	6,626.21	6,590.89	6,588.41	33.30	28.24	164.45	1,034.91	2,415.08	2,729.20	2,668.07	61.13	44.647		
6,800.00	6,673.34	6,637.46	6,634.96	33.46	28.44	156.75	1,036.35	2,414.29	2,745.56	2,684.06	61.50	44.644 SF		
6,850.00	6,719.21	6,684.41	6,681.87	33.61	28.64	151.00	1,037.91	2,413.36	2,764.23	2,702.36	61.87	44.680		
6,900.00	6,763.53	6,725.13	6,722.55	33.75	28.81	146.34	1,039.37	2,412.44	2,785.14	2,722.93	62.21	44.773		
6,950.00	6,806.03	6,761.84	6,759.22	33.89	28.97	142.29	1,040.83	2,411.56	2,808.26	2,745.73	62.52	44.915		
7,000.00	6,846.44	6,796.84	6,794.18	34.02	29.11	138.58	1,042.35	2,410.67	2,833.47	2,770.64	62.83	45.094		
7,050.00	6,884.52	6,825.50	6,822.80	34.15	29.24	134.97	1,043.71	2,409.95	2,860.68	2,797.56	63.11	45.325		
7,100.00	6,920.03	6,851.78	6,849.03	34.27	29.35	131.36	1,045.03	2,409.33	2,889.77	2,826.38	63.38	45.591		
7,150.00	6,952.75	6,875.96	6,873.18	34.40	29.45	127.66	1,046.32	2,408.79	2,920.58	2,856.93	63.65	45.886		
7,200.00	6,982.48	6,900.00	6,897.17	34.54	29.55	123.83	1,047.67	2,408.29	2,952.94	2,889.03	63.92	46.199		
7,250.00	7,009.04	6,929.50	6,926.62	34.70	29.68	119.94	1,049.37	2,407.67	2,986.63	2,922.40	64.22	46.503		
7,300.00	7,032.26	6,958.78	6,955.84	34.87	29.81	115.89	1,051.05	2,406.97	3,021.41	2,956.87	64.54	46.815		
7,350.00	7,052.00	6,984.14	6,981.15	35.08	29.91	111.61	1,052.50	2,406.31	3,057.12	2,992.28	64.84	47.148		
7,400.00	7,068.14	7,005.39	7,002.35	35.34	30.00	107.09	1,053.72	2,405.72	3,093.60	3,028.47	65.13	47.499		
7,450.00	7,080.57	7,016.96	7,013.90	35.65	30.05	102.22	1,054.38	2,405.40	3,130.69	3,065.32	65.37	47.889		
7,500.00	7,089.23	7,026.22	7,023.14	36.01	30.09	97.22	1,054.90	2,405.15	3,168.19	3,102.58	65.61	48.285		
7,550.00	7,094.06	7,031.88	7,028.80	36.44	30.12	92.16	1,055.22	2,405.00	3,205.89	3,140.05	65.84	48.691		
7,601.12	7,095.00	7,033.94	7,030.85	36.93	30.13	87.01	1,055.33	2,404.94	3,244.42	3,178.36	66.06	49.113		
7,700.00	7,092.92	7,034.30	7,031.21	38.05	30.13	87.02	1,055.35	2,404.93	3,319.43	3,252.94	66.50	49.919		
7,800.00	7,090.81	7,034.65	7,031.56	39.40	30.13	87.03	1,055.37	2,404.92	3,396.54	3,329.56	66.97	50.714		
7,900.00	7,088.70	7,035.00	7,031.91	40.93	30.13	87.04	1,055.39	2,404.92	3,474.80	3,407.32	67.48	51.493		
8,000.00	7,086.59	7,035.35	7,032.25	42.61	30.13	87.05	1,055.41	2,404.91	3,554.16	3,486.15	68.01	52.261		
8,100.00	7,084.49	7,035.69	7,032.60	44.41	30.13	87.05	1,055.43	2,404.90	3,634.54	3,565.99	68.55	53.021		
8,200.00	7,082.38	7,036.03	7,032.93	46.33	30.13	87.06	1,055.45	2,404.89	3,715.87	3,646.77	69.10	53.776		
8,300.00	7,080.27	7,036.36	7,033.27	48.34	30.14	87.07	1,055.47	2,404.88	3,798.09	3,728.44	69.65	54.528		
8,400.00	7,078.16	7,036.69	7,033.60	50.43	30.14	87.08	1,055.49	2,404.87	3,881.14	3,810.94	70.21	55.281		
8,500.00	7,076.05	7,037.02	7,033.92	52.59	30.14	87.09	1,055.50	2,404.86	3,964.98	3,894.22	70.76	56.034		
8,600.00	7,073.94	7,037.34	7,034.24	54.82	30.14	87.10	1,055.52	2,404.85	4,049.55	3,978.25	71.31	56.789		
8,700.00	7,071.84	7,037.66	7,034.56	57.10	30.14	87.11	1,055.54	2,404.85	4,134.81	4,062.97	71.85	57.548		
8,800.00	7,069.73	7,037.97	7,034.88	59.44	30.14	87.12	1,055.56	2,404.84	4,220.72	4,148.34	72.38	58.311		
8,900.00	7,067.62	7,038.29	7,035.19	61.81	30.14	87.12	1,055.58	2,404.83	4,307.24	4,234.33	72.91	59.079		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	7,038.60	7,035.50	64.23	30.15	87.13	1,055.59	2,404.82	4,394.33	4,320.91	73.42	59.851		
9,100.00	7,063.40	7,038.90	7,035.80	66.68	30.15	87.14	1,055.61	2,404.81	4,481.95	4,408.03	73.92	60.629		
9,200.00	7,061.29	7,039.20	7,036.10	69.15	30.15	87.15	1,055.63	2,404.81	4,570.09	4,495.67	74.42	61.412		
9,300.00	7,059.18	7,039.50	7,036.40	71.66	30.15	87.16	1,055.64	2,404.80	4,658.70	4,583.81	74.90	62.201		
9,400.00	7,057.08	7,039.80	7,036.70	74.19	30.15	87.16	1,055.66	2,404.79	4,747.77	4,672.40	75.37	62.995		
9,500.00	7,054.97	7,040.09	7,036.99	76.75	30.15	87.17	1,055.68	2,404.78	4,837.26	4,761.44	75.83	63.795		
9,600.00	7,052.86	7,040.38	7,037.28	79.32	30.15	87.18	1,055.69	2,404.78	4,927.16	4,850.89	76.27	64.600		
9,700.00	7,050.75	7,040.67	7,037.56	81.91	30.15	87.19	1,055.71	2,404.77	5,017.44	4,940.73	76.71	65.410		
9,800.00	7,048.64	7,040.95	7,037.85	84.52	30.16	87.20	1,055.72	2,404.76	5,108.08	5,030.95	77.13	66.225		
9,900.00	7,046.53	7,041.23	7,038.13	87.14	30.16	87.20	1,055.74	2,404.75	5,199.07	5,121.52	77.55	67.046		
10,000.00	7,044.43	7,041.51	7,038.40	89.78	30.16	87.21	1,055.75	2,404.75	5,290.38	5,212.43	77.95	67.871		
10,100.00	7,042.32	7,041.78	7,038.68	92.43	30.16	87.22	1,055.77	2,404.74	5,382.00	5,303.66	78.34	68.701		
10,200.00	7,040.21	7,042.05	7,038.95	95.09	30.16	87.22	1,055.78	2,404.73	5,473.91	5,395.19	78.72	69.535		
10,300.00	7,038.10	7,042.32	7,039.22	97.76	30.16	87.23	1,055.80	2,404.72	5,566.10	5,487.01	79.09	70.373		
10,400.00	7,035.99	7,042.59	7,039.48	100.44	30.16	87.24	1,055.81	2,404.72	5,658.56	5,579.10	79.46	71.215		
10,500.00	7,033.88	7,042.85	7,039.75	103.13	30.16	87.25	1,055.83	2,404.71	5,751.27	5,671.46	79.81	72.062		
10,600.00	7,031.78	7,043.12	7,040.01	105.82	30.17	87.25	1,055.84	2,404.70	5,844.22	5,764.07	80.15	72.912		
10,700.00	7,029.67	7,043.37	7,040.27	108.53	30.17	87.26	1,055.86	2,404.70	5,937.40	5,856.91	80.49	73.765		
10,800.00	7,027.56	7,043.63	7,040.52	111.24	30.17	87.27	1,055.87	2,404.69	6,030.80	5,949.98	80.82	74.622		
10,900.00	7,025.45	7,043.88	7,040.77	113.96	30.17	87.27	1,055.89	2,404.68	6,124.40	6,043.27	81.14	75.483		
11,000.00	7,023.34	7,044.13	7,041.03	116.68	30.17	87.28	1,055.90	2,404.68	6,218.21	6,136.76	81.45	76.346		
11,100.00	7,021.23	7,044.38	7,041.27	119.41	30.17	87.29	1,055.91	2,404.67	6,312.20	6,230.45	81.75	77.212		
11,200.00	7,019.13	7,044.63	7,041.52	122.15	30.17	87.29	1,055.93	2,404.67	6,406.38	6,324.33	82.05	78.081		
11,300.00	7,017.02	7,044.87	7,041.76	124.89	30.17	87.30	1,055.94	2,404.66	6,500.73	6,418.39	82.34	78.952		
11,400.00	7,014.91	7,045.11	7,042.00	127.63	30.17	87.31	1,055.95	2,404.65	6,595.25	6,512.63	82.62	79.826		
11,500.00	7,012.80	7,045.35	7,042.24	130.38	30.17	87.31	1,055.97	2,404.65	6,689.93	6,607.03	82.90	80.702		
11,600.00	7,010.69	7,045.59	7,042.48	133.14	30.18	87.32	1,055.98	2,404.64	6,784.76	6,701.59	83.17	81.580		
11,700.00	7,008.58	7,045.82	7,042.71	135.89	30.18	87.33	1,055.99	2,404.64	6,879.73	6,796.30	83.43	82.460		
11,800.00	7,006.47	7,046.06	7,042.94	138.65	30.18	87.33	1,056.01	2,404.63	6,974.85	6,891.16	83.69	83.342		
11,900.00	7,004.37	7,046.29	7,043.17	141.42	30.18	87.34	1,056.02	2,404.62	7,070.10	6,986.16	83.94	84.226		
12,000.00	7,002.26	7,046.52	7,043.40	144.19	30.18	87.34	1,056.03	2,404.62	7,165.48	7,081.29	84.19	85.111		
12,100.00	7,000.15	7,046.74	7,043.63	146.96	30.18	87.35	1,056.05	2,404.61	7,260.98	7,176.55	84.43	85.999		
12,200.00	6,998.04	7,046.96	7,043.85	149.73	30.18	87.36	1,056.06	2,404.61	7,356.61	7,271.94	84.67	86.887		
12,300.00	6,995.93	7,047.19	7,044.07	152.51	30.18	87.36	1,056.07	2,404.60	7,452.35	7,367.45	84.90	87.777		
12,400.00	6,993.82	7,047.41	7,044.29	155.28	30.18	87.37	1,056.08	2,404.59	7,548.20	7,463.07	85.13	88.668		
12,500.00	6,991.72	7,047.62	7,044.51	158.06	30.18	87.37	1,056.09	2,404.59	7,644.15	7,558.80	85.35	89.561		
12,600.00	6,989.61	7,047.84	7,044.72	160.85	30.19	87.38	1,056.11	2,404.58	7,740.21	7,654.64	85.57	90.454		
12,700.00	6,987.50	7,048.05	7,044.94	163.63	30.19	87.39	1,056.12	2,404.57	7,836.37	7,750.58	85.79	91.348		
12,800.00	6,985.39	7,048.27	7,045.15	166.42	30.19	87.39	1,056.13	2,404.57	7,932.62	7,846.62	86.00	92.244		
12,900.00	6,983.28	7,048.47	7,045.36	169.21	30.19	87.40	1,056.14	2,404.57	8,028.96	7,942.76	86.20	93.140		
13,000.00	6,981.17	7,048.68	7,045.57	172.00	30.19	87.40	1,056.15	2,404.56	8,125.40	8,038.99	86.41	94.036		
13,100.00	6,979.07	7,048.89	7,045.77	174.79	30.19	87.41	1,056.16	2,404.56	8,221.91	8,135.31	86.61	94.934		
13,200.00	6,976.96	7,049.09	7,045.97	177.59	30.19	87.41	1,056.18	2,404.55	8,318.51	8,231.71	86.80	95.832		
13,300.00	6,974.85	7,049.30	7,046.18	180.38	30.19	87.42	1,056.19	2,404.55	8,415.19	8,328.20	87.00	96.731		
13,400.00	6,972.74	7,049.50	7,046.38	183.18	30.19	87.42	1,056.20	2,404.54	8,511.95	8,424.76	87.19	97.630		
13,500.00	6,970.63	7,049.70	7,046.58	185.98	30.19	87.43	1,056.21	2,404.54	8,608.78	8,521.40	87.37	98.529		
13,600.00	6,968.52	7,049.89	7,046.77	188.78	30.19	87.43	1,056.22	2,404.53	8,705.68	8,618.12	87.56	99.429		
13,700.00	6,966.41	7,050.09	7,046.97	191.58	30.19	87.44	1,056.23	2,404.53	8,802.65	8,714.91	87.74	100.329		
13,800.00	6,964.31	7,050.28	7,047.16	194.39	30.20	87.45	1,056.24	2,404.52	8,899.69	8,811.77	87.92	101.230		
13,900.00	6,962.20	7,050.47	7,047.35	197.19	30.20	87.45	1,056.25	2,404.52	8,996.79	8,908.70	88.09	102.130		
14,000.00	6,960.09	7,050.67	7,047.54	200.00	30.20	87.46	1,056.26	2,404.51	9,093.96	9,005.69	88.26	103.031		
14,100.00	6,957.98	7,050.85	7,047.73	202.80	30.20	87.46	1,056.27	2,404.51	9,191.18	9,102.75	88.44	103.931		

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

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - GREELEY TECH CENTER #41-5 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,200.00	6,955.87	7,051.04	7,047.92	205.61	30.20	87.47	1,056.28	2,404.50	9,288.47	9,199.86	88.60	104.832	
14,300.00	6,953.76	7,051.23	7,048.10	208.42	30.20	87.47	1,056.29	2,404.50	9,385.81	9,297.04	88.77	105.733	
14,400.00	6,951.66	7,051.41	7,048.29	211.23	30.20	87.48	1,056.30	2,404.49	9,483.21	9,394.27	88.93	106.633	
14,500.00	6,949.55	7,051.59	7,048.47	214.04	30.20	87.48	1,056.31	2,404.49	9,580.66	9,491.56	89.09	107.534	
14,600.00	6,947.44	7,051.78	7,048.65	216.85	30.20	87.49	1,056.32	2,404.48	9,678.16	9,588.91	89.25	108.434	
14,700.00	6,945.33	7,051.95	7,048.83	219.66	30.20	87.49	1,056.33	2,404.48	9,775.71	9,686.30	89.41	109.334	
14,800.00	6,943.22	7,052.13	7,049.01	222.48	30.20	87.49	1,056.34	2,404.48	9,873.32	9,783.75	89.57	110.234	
14,900.00	6,941.11	7,052.31	7,049.18	225.29	30.20	87.50	1,056.35	2,404.47	9,970.97	9,881.25	89.72	111.133	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	94.08	-639.17	8,962.80	8,985.61					
100.00	100.00	72.00	72.00	3.28	3.51	94.08	-639.17	8,962.80	8,985.57	8,978.77	6.80	1,321.942		
200.00	200.00	172.00	172.00	3.34	5.38	94.08	-639.17	8,962.80	8,985.57	8,976.85	8.71	1,031.320		
300.00	299.98	271.98	271.98	3.44	8.41	-52.58	-639.17	8,962.80	8,984.51	8,972.65	11.85	757.871		
400.00	399.84	371.84	371.84	3.59	11.70	-52.65	-639.17	8,962.80	8,981.32	8,966.03	15.30	587.187		
500.00	499.45	471.45	471.45	3.79	15.07	-52.78	-639.17	8,962.80	8,976.03	8,957.17	18.86	475.804		
600.00	598.70	570.70	570.70	4.04	18.47	-52.96	-639.17	8,962.80	8,968.64	8,946.14	22.51	398.500		
700.00	697.47	669.47	669.47	4.32	21.87	-53.19	-639.17	8,962.80	8,959.17	8,932.98	26.19	342.062		
773.50	769.68	741.68	741.68	4.55	24.37	-53.40	-639.17	8,962.80	8,950.89	8,921.97	28.92	309.508		
800.00	795.65	767.65	767.65	4.64	25.27	-53.42	-639.17	8,962.80	8,947.71	8,917.80	29.91	299.186		
900.00	893.65	865.65	865.65	5.00	28.66	-53.52	-639.17	8,962.80	8,935.72	8,902.07	33.65	265.557		
1,000.00	991.65	963.65	963.65	5.38	32.06	-53.63	-639.17	8,962.80	8,923.76	8,886.34	37.42	238.475		
1,100.00	1,089.66	1,061.66	1,061.66	5.78	35.47	-53.73	-639.17	8,962.80	8,911.83	8,870.61	41.21	216.233		
1,200.00	1,187.66	1,159.66	1,159.66	6.20	38.88	-53.83	-639.17	8,962.80	8,899.92	8,854.90	45.03	197.661		
1,300.00	1,285.66	1,257.66	1,257.66	6.63	42.29	-53.93	-639.17	8,962.80	8,888.05	8,839.19	48.85	181.934		
1,400.00	1,383.67	1,355.67	1,355.67	7.07	45.70	-54.03	-639.17	8,962.80	8,876.20	8,823.51	52.69	168.454		
1,500.00	1,481.67	1,453.67	1,453.67	7.51	49.11	-54.14	-639.17	8,962.80	8,864.38	8,807.84	56.54	156.778		
1,600.00	1,579.67	1,551.67	1,551.67	7.97	52.53	-54.24	-639.17	8,962.80	8,852.59	8,792.19	60.40	146.570		
1,700.00	1,677.67	1,649.67	1,649.67	8.43	55.94	-54.34	-639.17	8,962.80	8,840.83	8,776.57	64.26	137.574		
1,800.00	1,775.68	1,747.68	1,747.68	8.90	59.36	-54.45	-639.17	8,962.80	8,829.10	8,760.96	68.13	129.587		
1,900.00	1,873.68	1,845.68	1,845.68	9.37	62.77	-54.55	-639.17	8,962.80	8,817.39	8,745.39	72.01	122.451		
2,000.00	1,971.68	1,943.68	1,943.68	9.84	66.19	-54.65	-639.17	8,962.80	8,805.72	8,729.83	75.89	116.037		
2,100.00	2,069.69	2,041.69	2,041.69	10.32	69.61	-54.76	-639.17	8,962.80	8,794.08	8,714.31	79.77	110.242		
2,200.00	2,167.69	2,139.69	2,139.69	10.80	73.02	-54.86	-639.17	8,962.80	8,782.46	8,698.81	83.66	104.982		
2,300.00	2,265.69	2,237.69	2,237.69	11.28	76.44	-54.97	-639.17	8,962.80	8,770.88	8,683.33	87.55	100.186		
2,400.00	2,363.69	2,335.69	2,335.69	11.77	79.86	-55.07	-639.17	8,962.80	8,759.32	8,667.89	91.44	95.795		
2,500.00	2,461.70	2,433.70	2,433.70	12.25	83.28	-55.18	-639.17	8,962.80	8,747.80	8,652.47	95.33	91.761		
2,600.00	2,559.70	2,531.70	2,531.70	12.74	86.70	-55.28	-639.17	8,962.80	8,736.31	8,637.08	99.23	88.042		
2,700.00	2,657.70	2,629.70	2,629.70	13.23	90.12	-55.39	-639.17	8,962.80	8,724.84	8,621.71	103.13	84.603		
2,800.00	2,755.71	2,727.71	2,727.71	13.72	93.54	-55.50	-639.17	8,962.80	8,713.41	8,606.38	107.03	81.414		
2,900.00	2,853.71	2,825.71	2,825.71	14.21	96.96	-55.60	-639.17	8,962.80	8,702.00	8,591.08	110.93	78.448		
3,000.00	2,951.71	2,923.71	2,923.71	14.70	100.38	-55.71	-639.17	8,962.80	8,690.63	8,575.80	114.83	75.682		
3,100.00	3,049.71	3,021.71	3,021.71	15.20	103.79	-55.82	-639.17	8,962.80	8,679.29	8,560.55	118.73	73.099		
3,200.00	3,147.72	3,119.72	3,119.72	15.69	107.21	-55.92	-639.17	8,962.80	8,667.98	8,545.34	122.64	70.679		
3,300.00	3,245.72	3,217.72	3,217.72	16.19	110.63	-56.03	-639.17	8,962.80	8,656.69	8,530.15	126.54	68.408		
3,400.00	3,343.72	3,315.72	3,315.72	16.69	114.05	-56.14	-639.17	8,962.80	8,645.44	8,514.99	130.45	66.273		
3,500.00	3,441.73	3,413.73	3,413.73	17.18	117.47	-56.25	-639.17	8,962.80	8,634.23	8,499.87	134.36	64.262		
3,600.00	3,539.73	3,511.73	3,511.73	17.68	120.89	-56.35	-639.17	8,962.80	8,623.04	8,484.77	138.27	62.365		
3,700.00	3,637.73	3,609.73	3,609.73	18.18	124.31	-56.46	-639.17	8,962.80	8,611.88	8,469.71	142.18	60.571		
3,800.00	3,735.73	3,707.73	3,707.73	18.68	127.73	-56.57	-639.17	8,962.80	8,600.76	8,454.67	146.09	58.874		
3,900.00	3,833.74	3,805.74	3,805.74	19.18	131.15	-56.68	-639.17	8,962.80	8,589.67	8,439.67	150.00	57.265		
4,000.00	3,931.74	3,903.74	3,903.74	19.67	134.57	-56.79	-639.17	8,962.80	8,578.60	8,424.69	153.91	55.738		
4,100.00	4,029.74	4,001.74	4,001.74	20.17	137.99	-56.90	-639.17	8,962.80	8,567.58	8,409.75	157.82	54.286		
4,200.00	4,127.75	4,100.25	4,099.75	20.67	141.43	-57.01	-639.17	8,962.80	8,556.58	8,394.83	161.75	52.899		
4,300.00	4,225.75	4,202.25	4,197.75	21.18	144.99	-57.12	-639.17	8,962.80	8,545.61	8,379.81	165.80	51.540		
4,400.00	4,323.75	4,304.25	4,295.75	21.68	148.55	-57.23	-639.17	8,962.80	8,534.68	8,364.82	169.86	50.246		
4,500.00	4,421.76	4,406.25	4,393.76	22.18	152.11	-57.34	-639.17	8,962.80	8,523.78	8,349.87	173.91	49.012		
4,600.00	4,519.76	4,508.24	4,491.76	22.68	155.67	-57.45	-639.17	8,962.80	8,512.91	8,334.95	177.97	47.835		
4,700.00	4,617.76	4,589.76	4,589.76	23.18	158.52	-57.56	-639.17	8,962.80	8,502.08	8,320.77	181.30	46.894		
4,800.00	4,715.76	4,687.76	4,687.76	23.68	161.94	-57.68	-639.17	8,962.80	8,491.27	8,306.05	185.22	45.844		
4,900.00	4,813.77	4,785.77	4,785.77	24.18	165.36	-57.79	-639.17	8,962.80	8,480.50	8,291.37	189.14	44.838		
5,000.00	4,911.77	4,883.77	4,883.77	24.69	168.78	-57.90	-639.17	8,962.80	8,469.77	8,276.71	193.05	43.873		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,009.77	4,981.77	4,981.77	25.19	172.20	-58.01	-639.17	8,962.80	8,459.06	8,262.09	196.97	42.946			
5,200.00	5,107.78	5,079.78	5,079.78	25.69	175.62	-58.13	-639.17	8,962.80	8,448.39	8,247.51	200.89	42.056			
5,300.00	5,205.78	5,177.78	5,177.78	26.19	179.04	-58.24	-639.17	8,962.80	8,437.76	8,232.95	204.80	41.199			
5,400.00	5,303.78	5,275.78	5,275.78	26.70	182.46	-58.35	-639.17	8,962.80	8,427.15	8,218.43	208.72	40.375			
5,500.00	5,401.78	5,373.78	5,373.78	27.20	185.88	-58.47	-639.17	8,962.80	8,416.58	8,203.94	212.64	39.582			
5,600.00	5,499.79	5,471.79	5,471.79	27.70	189.30	-58.58	-639.17	8,962.80	8,406.05	8,189.49	216.56	38.817			
5,700.00	5,597.79	5,569.79	5,569.79	28.21	192.72	-58.69	-639.17	8,962.80	8,395.54	8,175.07	220.48	38.079			
5,800.00	5,695.79	5,667.79	5,667.79	28.71	196.14	-58.81	-639.17	8,962.80	8,385.08	8,160.68	224.40	37.367			
5,900.00	5,793.80	5,765.80	5,765.80	29.22	199.57	-58.92	-639.17	8,962.80	8,374.64	8,146.33	228.31	36.680			
6,000.00	5,891.80	5,863.80	5,863.80	29.72	202.99	-59.04	-639.17	8,962.80	8,364.24	8,132.01	232.23	36.016			
6,100.00	5,989.80	5,961.80	5,961.80	30.22	206.41	-59.15	-639.17	8,962.80	8,353.88	8,117.72	236.15	35.375			
6,200.00	6,087.80	6,059.80	6,059.80	30.73	209.83	-59.27	-639.17	8,962.80	8,343.54	8,103.47	240.07	34.754			
6,300.00	6,185.81	6,157.81	6,157.81	31.23	213.25	-59.38	-639.17	8,962.80	8,333.25	8,089.25	243.99	34.153			
6,400.00	6,283.81	6,255.81	6,255.81	31.74	216.67	-59.50	-639.17	8,962.80	8,322.99	8,075.07	247.91	33.572			
6,500.00	6,381.81	6,353.81	6,353.81	32.24	220.09	-59.62	-639.17	8,962.80	8,312.76	8,060.92	251.84	33.009			
6,520.79	6,402.19	6,374.19	6,374.19	32.35	220.80	-59.64	-639.17	8,962.80	8,310.64	8,057.99	252.65	32.894			
6,550.00	6,430.87	6,402.87	6,402.87	32.49	221.80	-72.05	-639.17	8,962.80	8,308.33	8,054.53	253.80	32.736			
6,585.72	6,466.05	6,438.05	6,438.05	32.66	223.03	-90.00	-639.17	8,962.80	8,307.32	8,052.13	255.19	32.553 CC			
6,600.00	6,480.12	6,452.12	6,452.12	32.72	223.52	-97.44	-639.17	8,962.80	8,307.48	8,051.73	255.75	32.483 ES			
6,650.00	6,529.30	6,501.30	6,501.30	32.93	225.24	-120.60	-639.17	8,962.80	8,310.57	8,052.89	257.68	32.251			
6,700.00	6,578.09	6,550.09	6,550.09	33.12	226.94	-136.61	-639.17	8,962.80	8,317.57	8,057.99	259.58	32.042			
6,750.00	6,626.21	6,601.79	6,598.21	33.30	228.75	-146.80	-639.17	8,962.80	8,328.45	8,066.88	261.56	31.841			
6,800.00	6,673.34	6,645.34	6,645.34	33.46	230.27	-153.46	-639.17	8,962.80	8,343.12	8,079.88	263.24	31.694			
6,850.00	6,719.21	6,708.79	6,691.21	33.61	232.48	-158.03	-639.17	8,962.80	8,361.50	8,095.91	265.59	31.482			
6,900.00	6,763.53	6,735.53	6,735.53	33.75	233.42	-161.33	-639.17	8,962.80	8,383.48	8,116.82	266.65	31.440			
6,950.00	6,806.03	6,778.03	6,778.03	33.89	234.90	-163.81	-639.17	8,962.80	8,408.91	8,140.67	268.25	31.348			
7,000.00	6,846.44	6,818.44	6,818.44	34.02	236.31	-165.75	-639.17	8,962.80	8,437.65	8,167.90	269.75	31.279			
7,050.00	6,884.52	6,856.52	6,856.52	34.15	237.64	-167.30	-639.17	8,962.80	8,469.52	8,198.35	271.16	31.234			
7,100.00	6,920.03	6,907.97	6,892.03	34.27	239.43	-168.60	-639.17	8,962.80	8,504.30	8,231.27	273.03	31.148 SF			
7,150.00	6,952.75	6,924.75	6,924.75	34.40	240.02	-169.72	-639.17	8,962.80	8,541.80	8,268.13	273.67	31.212			
7,200.00	6,982.48	6,954.48	6,954.48	34.54	241.06	-170.73	-639.17	8,962.80	8,581.78	8,307.02	274.76	31.234			
7,250.00	7,009.04	6,981.04	6,981.04	34.70	241.99	-171.69	-639.17	8,962.80	8,623.98	8,348.26	275.72	31.278			
7,300.00	7,032.26	7,004.26	7,004.26	34.87	242.80	-172.67	-639.17	8,962.80	8,668.16	8,391.60	276.56	31.343			
7,350.00	7,052.00	7,024.00	7,024.00	35.08	243.48	-173.77	-639.17	8,962.80	8,714.03	8,436.77	277.27	31.428			
7,400.00	7,068.14	7,040.14	7,040.14	35.34	244.05	-175.18	-639.17	8,962.80	8,761.32	8,483.48	277.84	31.533			
7,450.00	7,080.57	7,052.57	7,052.57	35.65	244.48	-177.35	-639.17	8,962.80	8,809.73	8,531.44	278.29	31.657			
7,500.00	7,089.23	7,061.23	7,061.23	36.01	244.78	178.29	-639.17	8,962.80	8,858.96	8,580.37	278.59	31.799			
7,550.00	7,094.06	7,066.06	7,066.06	36.44	244.95	163.24	-639.17	8,962.80	8,908.71	8,629.95	278.76	31.958			
7,601.12	7,095.00	7,067.00	7,067.00	36.93	244.99	55.78	-639.17	8,962.80	8,959.79	8,681.00	278.80	32.138			
7,700.00	7,092.92	7,064.92	7,064.92	38.05	244.91	55.49	-639.17	8,962.80	9,058.61	8,779.88	278.73	32.500			
7,800.00	7,090.81	7,062.81	7,062.81	39.40	244.84	55.20	-639.17	8,962.80	9,158.54	8,879.88	278.66	32.867			
7,900.00	7,088.70	7,060.70	7,060.70	40.93	244.77	54.90	-639.17	8,962.80	9,258.47	8,979.88	278.59	33.234			
8,000.00	7,086.59	7,058.59	7,058.59	42.61	244.69	54.61	-639.17	8,962.80	9,358.40	9,079.88	278.52	33.600			
8,100.00	7,084.49	7,056.49	7,056.49	44.41	244.62	54.33	-639.17	8,962.80	9,458.34	9,179.88	278.45	33.967			
8,200.00	7,082.38	7,054.38	7,054.38	46.33	244.55	54.04	-639.17	8,962.80	9,558.27	9,279.88	278.39	34.334			
8,300.00	7,080.27	7,052.27	7,052.27	48.34	244.47	53.76	-639.17	8,962.80	9,658.21	9,379.88	278.33	34.701			
8,400.00	7,078.16	7,050.16	7,050.16	50.43	244.40	53.47	-639.17	8,962.80	9,758.14	9,479.88	278.26	35.068			
8,500.00	7,076.05	7,048.05	7,048.05	52.59	244.32	53.19	-639.17	8,962.80	9,858.08	9,579.88	278.20	35.435			
8,600.00	7,073.94	7,045.94	7,045.94	54.82	244.25	52.92	-639.17	8,962.80	9,958.02	9,679.88	278.14	35.802			

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
3,900.00	3,833.74	3,789.74	3,789.74	19.18	130.60	-64.94	800.33	10,278.95	9,999.44	9,849.85	149.59	66.844		
4,000.00	3,931.74	3,887.74	3,887.74	19.67	134.02	-65.04	800.33	10,278.95	9,990.89	9,837.38	153.51	65.083		
4,100.00	4,029.74	3,985.74	3,985.74	20.17	137.44	-65.14	800.33	10,278.95	9,982.37	9,824.95	157.43	63.410		
4,200.00	4,127.75	4,083.75	4,083.75	20.67	140.86	-65.24	800.33	10,278.95	9,973.89	9,812.55	161.34	61.818		
4,300.00	4,225.75	4,181.75	4,181.75	21.18	144.28	-65.34	800.33	10,278.95	9,965.44	9,800.18	165.26	60.302		
4,400.00	4,323.75	4,279.75	4,279.75	21.68	147.70	-65.45	800.33	10,278.95	9,957.02	9,787.84	169.18	58.856		
4,500.00	4,421.76	4,377.76	4,377.76	22.18	151.12	-65.55	800.33	10,278.95	9,948.64	9,775.54	173.10	57.475		
4,600.00	4,519.76	4,475.76	4,475.76	22.68	154.54	-65.65	800.33	10,278.95	9,940.28	9,763.27	177.01	56.155		
4,700.00	4,617.76	4,573.76	4,573.76	23.18	157.96	-65.75	800.33	10,278.95	9,931.96	9,751.03	180.93	54.893		
4,800.00	4,715.76	4,671.76	4,671.76	23.68	161.38	-65.86	800.33	10,278.95	9,923.67	9,738.82	184.85	53.684		
4,900.00	4,813.77	4,769.77	4,769.77	24.18	164.80	-65.96	800.33	10,278.95	9,915.42	9,726.65	188.77	52.526		
5,000.00	4,911.77	4,867.77	4,867.77	24.69	168.22	-66.06	800.33	10,278.95	9,907.20	9,714.51	192.69	51.415		
5,100.00	5,009.77	4,965.77	4,965.77	25.19	171.64	-66.17	800.33	10,278.95	9,899.01	9,702.40	196.61	50.348		
5,200.00	5,107.78	5,063.78	5,063.78	25.69	175.06	-66.27	800.33	10,278.95	9,890.86	9,690.32	200.53	49.323		
5,300.00	5,205.78	5,161.78	5,161.78	26.19	178.48	-66.37	800.33	10,278.95	9,882.73	9,678.28	204.45	48.337		
5,400.00	5,303.78	5,259.78	5,259.78	26.70	181.90	-66.48	800.33	10,278.95	9,874.64	9,666.27	208.38	47.389		
5,500.00	5,401.78	5,357.78	5,357.78	27.20	185.32	-66.58	800.33	10,278.95	9,866.59	9,654.29	212.30	46.475		
5,600.00	5,499.79	5,455.79	5,455.79	27.70	188.74	-66.69	800.33	10,278.95	9,858.57	9,642.35	216.22	45.595		
5,700.00	5,597.79	5,553.79	5,553.79	28.21	192.17	-66.79	800.33	10,278.95	9,850.58	9,630.44	220.14	44.747		
5,800.00	5,695.79	5,651.79	5,651.79	28.71	195.59	-66.89	800.33	10,278.95	9,842.63	9,618.56	224.06	43.928		
5,900.00	5,793.80	5,749.80	5,749.80	29.22	199.01	-67.00	800.33	10,278.95	9,834.71	9,606.72	227.99	43.137		
6,000.00	5,891.80	5,847.80	5,847.80	29.72	202.43	-67.10	800.33	10,278.95	9,826.82	9,594.91	231.91	42.374		
6,100.00	5,989.80	5,945.80	5,945.80	30.22	205.85	-67.21	800.33	10,278.95	9,818.97	9,583.13	235.83	41.636		
6,200.00	6,087.80	6,043.80	6,043.80	30.73	209.27	-67.31	800.33	10,278.95	9,811.15	9,571.39	239.75	40.922		
6,300.00	6,185.81	6,141.81	6,141.81	31.23	212.69	-67.42	800.33	10,278.95	9,803.36	9,559.68	243.68	40.231		
6,400.00	6,283.81	6,239.81	6,239.81	31.74	216.11	-67.53	800.33	10,278.95	9,795.61	9,548.01	247.60	39.562		
6,500.00	6,381.81	6,337.81	6,337.81	32.24	219.53	-67.63	800.33	10,278.95	9,787.90	9,536.37	251.53	38.914		
6,520.79	6,402.19	6,358.19	6,358.19	32.35	220.24	-67.65	800.33	10,278.95	9,786.30	9,533.95	252.34	38.782		
6,550.00	6,430.87	6,386.87	6,386.87	32.49	221.24	-80.04	800.33	10,278.95	9,784.71	9,531.22	253.49	38.600		
6,570.30	6,450.86	6,406.86	6,406.86	32.58	221.94	-90.00	800.33	10,278.95	9,784.39	9,530.11	254.28	38.479 CC		
6,600.00	6,480.12	6,436.12	6,436.12	32.72	222.96	-105.43	800.33	10,278.95	9,785.08	9,529.63	255.44	38.306 ES		
6,650.00	6,529.30	6,485.30	6,485.30	32.93	224.68	-128.64	800.33	10,278.95	9,789.32	9,531.95	257.37	38.035		
6,700.00	6,578.09	6,534.09	6,534.09	33.12	226.38	-144.73	800.33	10,278.95	9,797.42	9,538.15	259.27	37.789		
6,750.00	6,626.21	6,582.21	6,582.21	33.30	228.06	-155.06	800.33	10,278.95	9,809.32	9,548.20	261.12	37.566		
6,800.00	6,673.34	6,629.34	6,629.34	33.46	229.71	-161.92	800.33	10,278.95	9,824.94	9,562.02	262.92	37.368		
6,850.00	6,719.21	6,675.21	6,675.21	33.61	231.31	-166.75	800.33	10,278.95	9,844.20	9,579.53	264.67	37.195		
6,900.00	6,763.53	6,719.53	6,719.53	33.75	232.86	-170.38	800.33	10,278.95	9,866.96	9,600.62	266.34	37.046		
6,950.00	6,806.03	6,762.03	6,762.03	33.89	234.34	-173.27	800.33	10,278.95	9,893.09	9,625.15	267.94	36.923		
7,000.00	6,846.44	6,802.44	6,802.44	34.02	235.75	-175.72	800.33	10,278.95	9,922.42	9,652.97	269.45	36.824		
7,050.00	6,884.52	6,840.52	6,840.52	34.15	237.08	-177.93	800.33	10,278.95	9,954.78	9,683.91	270.87	36.751		
7,100.00	6,920.03	6,876.03	6,876.03	34.27	238.32	-179.97	800.33	10,278.95	9,989.96	9,717.77	272.19	36.702 SF		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.96	-552.43	5,293.70	5,322.50					
100.00	100.00	96.41	96.41	3.28	3.29	95.96	-552.64	5,293.51	5,322.31	5,315.74	6.57	809.896		
200.00	200.00	231.77	231.77	3.34	3.34	95.97	-553.28	5,292.43	5,321.56	5,314.88	6.68	796.549		
300.00	299.98	314.96	314.95	3.44	3.43	-50.70	-553.69	5,291.68	5,319.60	5,312.73	6.87	774.019		
400.00	399.84	446.03	446.01	3.59	3.64	-50.82	-554.30	5,290.50	5,315.48	5,308.25	7.24	734.578		
500.00	499.45	560.43	560.39	3.79	3.89	-51.00	-554.49	5,288.80	5,308.52	5,300.84	7.68	691.152		
600.00	598.70	627.64	627.60	4.04	4.05	-51.21	-554.79	5,287.97	5,299.61	5,291.52	8.09	655.169		
700.00	697.47	712.34	712.30	4.32	4.28	-51.48	-555.41	5,287.20	5,288.93	5,280.33	8.60	614.923		
773.50	769.68	771.29	771.25	4.55	4.45	-51.71	-555.79	5,286.80	5,279.89	5,270.88	9.00	586.430		
800.00	795.65	791.62	791.58	4.64	4.51	-51.75	-555.87	5,286.71	5,276.47	5,267.32	9.15	576.518		
900.00	893.65	882.35	882.31	5.00	4.79	-51.91	-555.50	5,286.54	5,263.80	5,254.03	9.77	538.619		
1,000.00	991.65	964.37	964.28	5.38	5.05	-52.07	-553.27	5,286.62	5,251.26	5,240.86	10.40	505.093		
1,100.00	1,089.66	1,060.22	1,059.99	5.78	5.35	-52.30	-547.99	5,287.37	5,239.21	5,228.11	11.09	472.275		
1,200.00	1,187.66	1,150.55	1,150.19	6.20	7.02	-53.52	-507.48	5,277.91	5,225.62	5,212.48	13.14	397.724		
1,300.00	1,285.66	1,612.93	1,610.21	6.63	7.43	-53.76	-501.56	5,271.70	5,207.19	5,193.23	13.95	373.147		
1,400.00	1,383.67	1,691.81	1,688.77	7.07	7.75	-53.96	-496.62	5,266.69	5,188.57	5,173.87	14.70	353.081		
1,500.00	1,481.67	1,753.00	1,749.81	7.51	8.00	-54.10	-493.77	5,263.43	5,170.96	5,155.58	15.38	336.241		
1,600.00	1,579.67	1,783.50	1,780.26	7.97	8.13	-54.16	-492.55	5,262.09	5,154.26	5,138.31	15.95	323.107		
1,700.00	1,677.67	1,845.00	1,841.63	8.43	8.38	-54.31	-489.35	5,259.97	5,138.63	5,121.97	16.65	308.539		
1,800.00	1,775.68	1,935.38	1,931.84	8.90	8.75	-54.53	-484.49	5,257.23	5,123.54	5,106.06	17.48	293.112		
1,900.00	1,873.68	2,008.84	2,005.20	9.37	9.06	-54.70	-481.32	5,254.99	5,108.59	5,090.35	18.24	280.022		
2,000.00	1,971.68	2,122.26	2,118.50	9.84	9.53	-54.95	-477.37	5,251.67	5,093.89	5,074.72	19.17	265.726		
2,100.00	2,069.69	2,173.11	2,169.32	10.32	9.74	-55.06	-476.07	5,250.27	5,079.45	5,059.60	19.85	255.852		
2,200.00	2,167.69	2,230.29	2,226.47	10.80	9.98	-55.17	-475.33	5,249.19	5,065.94	5,045.37	20.56	246.344		
2,300.00	2,265.69	2,305.00	2,301.17	11.28	10.28	-55.32	-474.26	5,248.19	5,053.06	5,031.71	21.35	236.706		
2,400.00	2,363.69	2,450.40	2,446.54	11.77	10.89	-55.62	-471.74	5,245.98	5,040.07	5,017.65	22.41	224.855		
2,500.00	2,461.70	2,567.43	2,563.50	12.25	11.38	-55.87	-469.40	5,243.25	5,026.30	5,002.92	23.38	215.029		
2,600.00	2,559.70	2,626.05	2,622.12	12.74	11.62	-55.98	-468.94	5,241.97	5,012.84	4,988.74	24.10	207.979		
2,700.00	2,657.70	2,674.00	2,670.05	13.23	11.81	-56.07	-469.37	5,241.35	5,000.32	4,975.53	24.79	201.717		
2,800.00	2,755.71	2,709.80	2,705.85	13.72	11.95	-56.13	-469.91	5,241.29	4,988.97	4,963.54	25.42	196.242		
2,900.00	2,853.71	2,766.00	2,762.04	14.21	12.17	-56.23	-470.44	5,242.20	4,979.09	4,952.96	26.13	190.531		
3,000.00	2,951.71	2,807.14	2,803.16	14.70	12.33	-56.31	-470.69	5,243.27	4,970.14	4,943.36	26.78	185.562		
3,100.00	3,049.71	2,923.99	2,919.99	15.20	12.78	-56.53	-471.34	5,245.94	4,961.29	4,933.56	27.73	178.941		
3,200.00	3,147.72	3,067.08	3,063.04	15.69	13.35	-56.79	-472.46	5,248.42	4,951.98	4,923.21	28.77	172.112		
3,300.00	3,245.72	3,182.29	3,178.24	16.19	13.80	-57.00	-473.41	5,249.58	4,941.97	4,912.25	29.72	166.308		
3,400.00	3,343.72	3,289.15	3,285.09	16.69	14.23	-57.20	-474.29	5,250.47	4,931.85	4,901.22	30.63	161.003		
3,500.00	3,441.73	3,371.74	3,367.69	17.18	14.56	-57.36	-474.23	5,251.15	4,921.79	4,890.33	31.46	156.441		
3,600.00	3,539.73	3,453.01	3,448.94	17.68	14.90	-57.53	-473.37	5,252.14	4,912.17	4,879.88	32.29	152.123		
3,700.00	3,637.73	3,602.37	3,598.26	18.18	15.52	-57.87	-469.90	5,253.48	4,902.36	4,868.96	33.40	146.780		
3,800.00	3,735.73	3,772.01	3,767.87	18.68	16.24	-58.23	-467.57	5,253.29	4,891.80	4,857.21	34.59	141.441		
3,900.00	3,833.74	3,844.00	3,839.86	19.18	16.54	-58.38	-467.50	5,252.53	4,880.19	4,844.80	35.39	137.899		
4,000.00	3,931.74	3,897.11	3,892.97	19.67	16.76	-58.48	-467.81	5,252.31	4,869.33	4,833.21	36.12	134.823		
4,100.00	4,029.74	3,945.41	3,941.25	20.17	16.96	-58.56	-468.70	5,252.80	4,859.70	4,822.88	36.82	131.978		
4,200.00	4,127.75	4,039.85	4,035.66	20.67	17.34	-58.73	-470.80	5,254.11	4,850.55	4,812.85	37.70	128.657		
4,300.00	4,225.75	4,111.00	4,106.78	21.18	17.63	-58.86	-472.27	5,255.35	4,841.79	4,803.30	38.49	125.786		
4,400.00	4,323.75	4,400.00	4,240.29	21.68	18.82	-59.10	-474.22	5,258.02	4,833.46	4,793.29	40.17	120.313		
4,500.00	4,421.76	4,426.19	4,421.92	22.18	18.93	-59.46	-475.04	5,258.25	4,823.05	4,782.29	40.76	118.331		
4,600.00	4,519.76	4,534.41	4,530.14	22.68	19.39	-59.68	-475.23	5,257.56	4,812.17	4,770.46	41.71	115.376		
4,700.00	4,617.76	4,652.91	4,648.64	23.18	19.89	-59.93	-475.02	5,256.52	4,801.14	4,758.44	42.70	112.439		
4,800.00	4,715.76	4,757.16	4,752.87	23.68	20.33	-60.15	-474.58	5,255.12	4,789.72	4,746.09	43.64	109.759		
4,900.00	4,813.77	4,825.00	4,820.71	24.18	20.62	-60.29	-474.56	5,254.53	4,778.79	4,734.36	44.44	107.536		
5,000.00	4,911.77	4,910.00	4,905.71	24.69	20.98	-60.47	-474.67	5,254.17	4,768.38	4,723.07	45.30	105.251		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #12-4-3CHZ - OH - OH		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	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	5,009.77	5,016.23	5,011.93	25.19	21.43	-60.69	-474.99	5,253.73	4,758.02	4,711.77	46.25	102.874				
5,200.00	5,107.78	5,121.83	5,117.53	25.69	21.88	-60.91	-475.56	5,253.22	4,747.66	4,700.46	47.19	100.600				
5,300.00	5,205.78	5,239.94	5,235.63	26.19	22.38	-61.14	-476.66	5,252.10	4,736.84	4,688.65	48.18	98.308				
5,400.00	5,303.78	5,341.61	5,337.28	26.70	22.80	-61.34	-478.11	5,251.04	4,725.97	4,676.85	49.11	96.229				
5,500.00	5,401.78	5,419.78	5,415.45	27.20	23.14	-61.50	-478.73	5,250.26	4,715.26	4,665.31	49.95	94.392				
5,600.00	5,499.79	5,562.41	5,558.07	27.70	23.74	-61.81	-478.44	5,248.65	4,704.61	4,653.57	51.04	92.178				
5,700.00	5,597.79	5,648.99	5,644.61	28.21	24.11	-61.98	-480.48	5,247.22	4,693.27	4,641.36	51.91	90.408				
5,800.00	5,695.79	5,695.12	5,690.73	28.71	24.30	-62.06	-481.53	5,246.87	4,682.85	4,630.21	52.64	88.967				
5,900.00	5,793.80	5,788.21	5,783.80	29.22	24.69	-62.25	-483.11	5,246.94	4,673.31	4,619.78	53.53	87.301				
6,000.00	5,891.80	5,902.15	5,897.71	29.72	25.17	-62.46	-485.54	5,246.62	4,663.45	4,608.95	54.51	85.559				
6,100.00	5,989.80	5,949.76	5,945.32	30.22	25.37	-62.56	-486.13	5,246.68	4,654.09	4,598.86	55.23	84.266				
6,200.00	6,087.80	6,200.00	6,047.42	30.73	26.42	-62.78	-485.95	5,247.19	4,645.35	4,588.56	56.79	81.803				
6,300.00	6,185.81	6,191.13	6,186.67	31.23	26.39	-63.07	-487.55	5,246.75	4,635.57	4,578.33	57.24	80.988				
6,400.00	6,283.81	6,253.00	6,248.54	31.74	26.65	-63.20	-487.84	5,246.62	4,626.24	4,568.22	58.02	79.734				
6,500.00	6,381.81	6,294.78	6,290.32	32.24	26.83	-63.30	-487.71	5,246.93	4,617.98	4,559.26	58.72	78.643				
6,520.79	6,402.19	6,302.58	6,298.11	32.35	26.86	-63.32	-487.69	5,247.05	4,616.43	4,557.57	58.86	78.428				
6,550.00	6,430.87	6,313.55	6,309.08	32.49	26.90	-75.71	-487.66	5,247.26	4,615.02	4,555.97	59.06	78.144				
6,560.48	6,441.18	6,317.49	6,313.02	32.54	26.92	-80.74	-487.65	5,247.35	4,614.87	4,555.75	59.13	78.053 CC, ES				
6,600.00	6,480.12	6,342.00	6,337.53	32.72	27.02	-101.11	-487.60	5,248.01	4,616.01	4,556.59	59.42	77.687				
6,650.00	6,529.30	6,342.00	6,337.53	32.93	27.02	-124.25	-487.60	5,248.01	4,621.21	4,561.58	59.64	77.486				
6,700.00	6,578.09	6,342.00	6,337.53	33.12	27.02	-140.25	-487.60	5,248.01	4,630.81	4,570.98	59.83	77.398				
6,750.00	6,626.21	6,342.00	6,337.53	33.30	27.02	-150.48	-487.60	5,248.01	4,644.72	4,584.73	60.00	77.417				
6,800.00	6,673.34	6,380.24	6,375.72	33.46	27.18	-157.28	-487.27	5,249.71	4,662.14	4,601.83	60.31	77.306 SF				
6,850.00	6,719.21	6,390.43	6,385.89	33.61	27.22	-161.97	-487.11	5,250.33	4,683.85	4,623.37	60.48	77.448				
6,900.00	6,763.53	6,431.00	6,426.33	33.75	27.39	-165.50	-486.09	5,253.51	4,709.77	4,649.00	60.77	77.505				
6,950.00	6,806.03	6,431.00	6,426.33	33.89	27.39	-168.17	-486.09	5,253.51	4,738.58	4,677.73	60.86	77.865				
7,000.00	6,846.44	6,431.00	6,426.33	34.02	27.39	-170.37	-486.09	5,253.51	4,770.82	4,709.89	60.93	78.303				
7,050.00	6,884.52	6,431.00	6,426.33	34.15	27.39	-172.28	-486.09	5,253.51	4,806.20	4,745.22	60.98	78.813				
7,100.00	6,920.03	6,431.00	6,426.33	34.27	27.39	-174.05	-486.09	5,253.51	4,844.46	4,783.44	61.02	79.387				
7,150.00	6,952.75	6,431.00	6,426.33	34.40	27.39	-175.81	-486.09	5,253.51	4,885.29	4,824.24	61.05	80.018				
7,200.00	6,982.48	6,431.00	6,426.33	34.54	27.39	-177.72	-486.09	5,253.51	4,928.37	4,867.30	61.07	80.698				
7,250.00	7,009.04	6,431.00	6,426.33	34.70	27.39	-179.98	-486.09	5,253.51	4,973.39	4,912.31	61.08	81.421				
7,300.00	7,032.26	6,431.00	6,426.33	34.87	27.39	-177.04	-486.09	5,253.51	5,020.02	4,958.93	61.09	82.178				
7,350.00	7,052.00	6,431.00	6,426.33	35.08	27.39	-172.53	-486.09	5,253.51	5,067.93	5,006.85	61.09	82.961				
7,400.00	7,068.14	6,464.43	6,459.56	35.34	27.53	-164.98	-485.16	5,256.93	5,116.37	5,055.11	61.26	83.517				
7,450.00	7,080.57	6,466.16	6,461.29	35.65	27.54	-147.99	-485.12	5,257.13	5,165.83	5,104.56	61.27	84.312				
7,500.00	7,089.23	6,466.91	6,462.03	36.01	27.54	-104.48	-485.10	5,257.21	5,215.62	5,154.34	61.28	85.118				
7,550.00	7,094.06	6,466.68	6,461.80	36.44	27.54	-55.94	-485.11	5,257.18	5,265.44	5,204.16	61.28	85.926				
7,601.12	7,095.00	6,465.46	6,460.59	36.93	27.53	-35.98	-485.13	5,257.05	5,316.08	5,254.80	61.28	86.748				
7,700.00	7,092.92	6,431.00	6,426.33	38.05	27.39	-34.68	-486.09	5,253.51	5,413.95	5,352.82	61.13	88.558				
7,800.00	7,090.81	6,431.00	6,426.33	39.40	27.39	-34.68	-486.09	5,253.51	5,512.52	5,451.35	61.17	90.120				
7,900.00	7,088.70	6,431.00	6,426.33	40.93	27.39	-34.68	-486.09	5,253.51	5,611.15	5,549.94	61.20	91.679				
8,000.00	7,086.59	6,431.00	6,426.33	42.61	27.39	-34.68	-486.09	5,253.51	5,709.82	5,648.58	61.24	93.234				
8,100.00	7,084.49	6,431.00	6,426.33	44.41	27.39	-34.68	-486.09	5,253.51	5,808.53	5,747.25	61.28	94.786				
8,200.00	7,082.38	6,431.00	6,426.33	46.33	27.39	-34.68	-486.09	5,253.51	5,907.29	5,845.97	61.32	96.335				
8,300.00	7,080.27	6,431.00	6,426.33	48.34	27.39	-34.68	-486.09	5,253.51	6,006.10	5,944.73	61.36	97.881				
8,400.00	7,078.16	6,431.00	6,426.33	50.43	27.39	-34.68	-486.09	5,253.51	6,104.94	6,043.53	61.40	99.423				
8,500.00	7,076.05	6,431.00	6,426.33	52.59	27.39	-34.68	-486.09	5,253.51	6,203.81	6,142.37	61.45	100.962				
8,600.00	7,073.94	6,431.00	6,426.33	54.82	27.39	-34.68	-486.09	5,253.51	6,302.73	6,241.23	61.49	102.498				
8,700.00	7,071.84	6,431.00	6,426.33	57.10	27.39	-34.68	-486.09	5,253.51	6,401.67	6,340.13	61.54	104.030				
8,800.00	7,069.73	6,431.00	6,426.33	59.44	27.39	-34.68	-486.09	5,253.51	6,500.65	6,439.07	61.58	105.559				
8,900.00	7,067.62	6,431.00	6,426.33	61.81	27.39	-34.68	-486.09	5,253.51	6,599.66	6,538.03	61.63	107.085				

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,065.51	6,431.00	6,426.33	64.23	27.39	34.68	-486.09	5,253.51	6,698.70	6,637.02	61.68	108.608		
9,100.00	7,063.40	6,431.00	6,426.33	66.68	27.39	34.68	-486.09	5,253.51	6,797.77	6,736.04	61.73	110.127		
9,200.00	7,061.29	6,431.00	6,426.33	69.15	27.39	34.68	-486.09	5,253.51	6,896.86	6,835.08	61.78	111.643		
9,300.00	7,059.18	6,431.00	6,426.33	71.66	27.39	34.68	-486.09	5,253.51	6,995.98	6,934.15	61.83	113.155		
9,400.00	7,057.08	6,431.00	6,426.33	74.19	27.39	34.68	-486.09	5,253.51	7,095.12	7,033.25	61.88	114.664		
9,500.00	7,054.97	6,431.00	6,426.33	76.75	27.39	34.68	-486.09	5,253.51	7,194.29	7,132.36	61.93	116.170		
9,600.00	7,052.86	6,431.00	6,426.33	79.32	27.39	34.68	-486.09	5,253.51	7,293.48	7,231.50	61.98	117.673		
9,700.00	7,050.75	6,431.00	6,426.33	81.91	27.39	34.68	-486.09	5,253.51	7,392.70	7,330.66	62.03	119.171		
9,800.00	7,048.64	6,431.00	6,426.33	84.52	27.39	34.68	-486.09	5,253.51	7,491.93	7,429.84	62.09	120.667		
9,900.00	7,046.53	6,431.00	6,426.33	87.14	27.39	34.68	-486.09	5,253.51	7,591.18	7,529.04	62.14	122.159		
10,000.00	7,044.43	6,431.00	6,426.33	89.78	27.39	34.68	-486.09	5,253.51	7,690.46	7,628.26	62.20	123.647		
10,100.00	7,042.32	6,431.00	6,426.33	92.43	27.39	34.68	-486.09	5,253.51	7,789.75	7,727.49	62.25	125.132		
10,200.00	7,040.21	6,431.00	6,426.33	95.09	27.39	34.68	-486.09	5,253.51	7,889.06	7,826.75	62.31	126.613		
10,300.00	7,038.10	6,431.00	6,426.33	97.76	27.39	34.68	-486.09	5,253.51	7,988.38	7,926.02	62.37	128.091		
10,400.00	7,035.99	6,431.00	6,426.33	100.44	27.39	34.68	-486.09	5,253.51	8,087.73	8,025.30	62.42	129.565		
10,500.00	7,033.88	6,431.00	6,426.33	103.13	27.39	34.68	-486.09	5,253.51	8,187.09	8,124.61	62.48	131.035		
10,600.00	7,031.78	6,431.00	6,426.33	105.82	27.39	34.68	-486.09	5,253.51	8,286.46	8,223.92	62.54	132.501		
10,700.00	7,029.67	6,431.00	6,426.33	108.53	27.39	34.68	-486.09	5,253.51	8,385.85	8,323.25	62.60	133.964		
10,800.00	7,027.56	6,431.00	6,426.33	111.24	27.39	34.68	-486.09	5,253.51	8,485.25	8,422.60	62.66	135.423		
10,900.00	7,025.45	6,431.00	6,426.33	113.96	27.39	34.68	-486.09	5,253.51	8,584.67	8,521.95	62.72	136.878		
11,000.00	7,023.34	6,431.00	6,426.33	116.68	27.39	34.68	-486.09	5,253.51	8,684.10	8,621.32	62.78	138.330		
11,100.00	7,021.23	6,431.00	6,426.33	119.41	27.39	34.68	-486.09	5,253.51	8,783.55	8,720.71	62.84	139.777		
11,200.00	7,019.13	6,431.00	6,426.33	122.15	27.39	34.68	-486.09	5,253.51	8,883.00	8,820.10	62.90	141.221		
11,300.00	7,017.02	6,392.75	6,388.21	124.89	27.23	33.33	-487.06	5,250.48	8,981.87	8,919.05	62.82	142.970		
11,400.00	7,014.91	6,391.57	6,387.03	127.63	27.23	33.29	-487.08	5,250.41	9,081.31	9,018.43	62.88	144.416		
11,500.00	7,012.80	6,390.42	6,385.88	130.38	27.22	33.25	-487.11	5,250.33	9,180.77	9,117.83	62.94	145.858		
11,600.00	7,010.69	6,389.29	6,384.76	133.14	27.22	33.21	-487.13	5,250.26	9,280.24	9,217.23	63.00	147.296		
11,700.00	7,008.58	6,388.18	6,383.65	135.89	27.21	33.18	-487.15	5,250.19	9,379.71	9,316.65	63.07	148.729		
11,800.00	7,006.47	6,387.09	6,382.56	138.65	27.21	33.14	-487.16	5,250.12	9,479.20	9,416.07	63.13	150.158		
11,900.00	7,004.37	6,386.01	6,381.49	141.42	27.21	33.10	-487.18	5,250.05	9,578.69	9,515.50	63.19	151.583		
12,000.00	7,002.26	6,384.96	6,380.44	144.19	27.20	33.07	-487.20	5,249.99	9,678.20	9,614.94	63.25	153.004		
12,100.00	7,000.15	6,383.93	6,379.40	146.96	27.20	33.03	-487.22	5,249.93	9,777.71	9,714.39	63.32	154.420		
12,200.00	6,998.04	6,382.91	6,378.39	149.73	27.19	33.00	-487.23	5,249.87	9,877.24	9,813.85	63.38	155.833		
12,300.00	6,995.93	6,381.91	6,377.39	152.51	27.19	32.97	-487.25	5,249.81	9,976.77	9,913.32	63.45	157.241		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	96.09	-560.46	5,254.45	5,284.31					
100.00	100.00	93.57	93.56	3.28	3.29	96.10	-561.36	5,254.22	5,284.15	5,277.57	6.57	803.883		
200.00	200.00	207.07	207.05	3.34	3.36	96.12	-563.42	5,253.38	5,283.59	5,276.89	6.70	788.696		
300.00	299.98	292.70	292.66	3.44	3.46	-50.53	-564.78	5,252.89	5,282.07	5,275.17	6.90	765.021		
400.00	399.84	389.53	389.48	3.59	3.62	-50.61	-566.22	5,252.47	5,278.48	5,271.26	7.22	731.537		
500.00	499.45	543.00	542.92	3.79	3.96	-50.80	-568.51	5,251.45	5,272.57	5,264.82	7.75	680.118		
600.00	598.70	682.43	682.21	4.04	4.34	-51.03	-573.78	5,248.30	5,262.92	5,254.55	8.38	628.200		
700.00	697.47	742.00	741.62	4.32	4.52	-51.24	-577.84	5,246.77	5,251.25	5,242.41	8.84	593.974		
773.50	769.68	789.07	788.53	4.55	4.67	-51.42	-581.66	5,245.79	5,241.74	5,232.52	9.22	568.229		
800.00	795.65	802.11	801.52	4.64	4.72	-51.43	-582.74	5,245.59	5,238.24	5,228.88	9.36	559.891		
900.00	893.65	837.00	836.29	5.00	4.84	-51.46	-585.67	5,245.22	5,225.65	5,215.83	9.82	532.247		
1,000.00	991.65	891.40	890.47	5.38	5.02	-51.50	-590.54	5,245.17	5,214.04	5,203.67	10.38	502.441		
1,100.00	1,089.66	930.00	928.88	5.78	5.16	-51.52	-594.27	5,245.58	5,203.57	5,192.66	10.91	477.148		
1,200.00	1,187.66	964.18	962.88	6.20	5.29	-51.55	-597.71	5,246.35	5,194.31	5,182.87	11.44	454.148		
1,300.00	1,285.66	1,025.00	1,023.33	6.63	5.51	-51.59	-603.92	5,248.90	5,186.61	5,174.53	12.08	429.291		
1,400.00	1,383.67	1,035.53	1,033.79	7.07	5.55	-51.59	-604.98	5,249.48	5,179.71	5,167.15	12.55	412.626		
1,500.00	1,481.67	1,301.00	1,298.45	7.51	6.56	-51.87	-622.24	5,259.55	5,171.07	5,157.08	13.99	369.713		
1,600.00	1,579.67	1,366.62	1,363.98	7.97	6.81	-51.96	-625.10	5,261.29	5,161.82	5,147.13	14.69	351.483		
1,700.00	1,677.67	1,431.20	1,428.44	8.43	7.07	-52.04	-628.15	5,263.76	5,153.61	5,138.22	15.39	334.821		
1,800.00	1,775.68	1,535.10	1,532.05	8.90	7.49	-52.15	-634.81	5,267.81	5,145.70	5,129.43	16.27	316.353		
1,900.00	1,873.68	1,640.26	1,636.96	9.37	7.92	-52.27	-640.88	5,271.71	5,137.55	5,120.40	17.16	299.463		
2,000.00	1,971.68	1,792.43	1,788.85	9.84	8.55	-52.46	-648.67	5,276.52	5,128.80	5,110.56	18.24	281.152		
2,100.00	2,069.69	1,867.26	1,863.58	10.32	8.87	-52.56	-652.01	5,278.79	5,119.93	5,100.91	19.02	269.179		
2,200.00	2,167.69	1,946.00	1,942.17	10.80	9.20	-52.66	-655.84	5,281.39	5,111.41	5,091.59	19.82	257.877		
2,300.00	2,265.69	2,002.10	1,998.15	11.28	9.44	-52.73	-658.76	5,283.58	5,103.55	5,083.02	20.53	248.551		
2,400.00	2,363.69	2,062.71	2,058.60	11.77	9.70	-52.80	-662.02	5,286.56	5,096.65	5,075.38	21.27	239.664		
2,500.00	2,461.70	2,158.96	2,154.61	12.25	10.11	-52.93	-666.61	5,291.67	5,090.15	5,068.00	22.15	229.812		
2,600.00	2,559.70	2,258.23	2,253.46	12.74	10.72	-53.09	-674.92	5,298.44	5,083.35	5,060.13	23.23	218.870		
2,700.00	2,657.70	2,357.60	2,352.51	13.23	11.12	-53.18	-681.41	5,302.32	5,076.11	5,052.01	24.10	210.628		
2,800.00	2,755.71	2,457.70	2,452.28	13.72	11.59	-53.30	-688.28	5,307.11	5,069.06	5,044.02	25.04	202.416		
2,900.00	2,853.71	2,557.00	2,552.49	14.21	12.00	-53.48	-697.22	5,313.46	5,061.54	5,034.23	27.31	185.337		
3,000.00	2,951.71	2,656.23	2,651.97	14.70	12.99	-53.65	-708.38	5,317.34	5,052.36	5,024.98	27.38	184.530		
3,100.00	3,049.71	2,755.71	2,751.10	15.20	13.50	-53.75	-716.99	5,319.44	5,042.75	5,014.38	28.37	177.763		
3,200.00	3,147.72	2,855.26	2,850.26	15.69	14.02	-53.90	-723.15	5,321.66	5,033.06	5,003.70	29.37	171.380		
3,300.00	3,245.72	2,954.72	2,949.28	16.19	14.75	-54.14	-729.53	5,323.53	5,022.62	4,992.05	30.57	164.295		
3,400.00	3,343.72	3,054.24	3,049.30	16.69	15.18	-54.32	-730.51	5,323.79	5,011.15	4,979.66	31.48	159.170		
3,500.00	3,441.73	3,153.72	3,148.57	17.18	15.65	-54.53	-731.23	5,324.08	4,999.71	4,967.27	32.44	154.106		
3,600.00	3,539.73	3,253.23	3,247.51	17.68	15.90	-54.63	-731.55	5,324.41	4,988.57	4,955.37	33.20	150.269		
3,700.00	3,637.73	3,352.73	3,346.39	18.18	16.23	-54.78	-731.87	5,325.25	4,978.00	4,943.98	34.02	146.322		
3,800.00	3,735.73	3,452.23	3,445.20	18.68	16.67	-54.98	-732.22	5,326.53	4,967.64	4,932.70	34.94	142.157		
3,900.00	3,833.74	3,551.72	3,544.32	19.18	17.04	-55.15	-732.20	5,327.56	4,957.22	4,921.41	35.81	138.416		
4,000.00	3,931.74	3,651.23	3,643.82	19.67	17.44	-55.34	-732.19	5,328.74	4,946.96	4,910.25	36.70	134.779		
4,100.00	4,029.74	3,750.73	3,743.32	20.17	17.93	-55.57	-732.14	5,329.91	4,936.51	4,898.82	37.68	131.001		
4,200.00	4,127.75	3,850.23	3,842.89	20.67	18.33	-55.74	-732.54	5,330.57	4,925.85	4,887.27	38.58	127.690		
4,300.00	4,225.75	3,949.73	3,942.48	21.18	18.92	-55.99	-734.60	5,331.52	4,915.36	4,875.72	39.65	123.980		
4,400.00	4,323.75	4,049.23	4,041.88	21.68	19.34	-56.18	-734.78	5,331.50	4,904.10	4,863.54	40.56	120.913		
4,500.00	4,421.76	4,148.73	4,141.32	22.18	19.73	-56.37	-734.84	5,331.49	4,892.90	4,851.45	41.45	118.050		
4,600.00	4,519.76	4,248.23	4,240.77	22.68	20.18	-56.59	-734.82	5,331.44	4,881.72	4,839.34	42.38	115.176		
4,700.00	4,617.76	4,347.73	4,340.23	23.18	20.66	-56.83	-734.57	5,330.66	4,870.00	4,826.64	43.36	112.319		
4,800.00	4,715.76	4,447.23	4,439.73	23.68	21.02	-57.02	-734.39	5,329.94	4,858.21	4,813.99	44.22	109.861		
4,900.00	4,813.77	4,546.73	4,539.23	24.18	21.32	-57.17	-734.19	5,329.58	4,846.77	4,801.74	45.03	107.639		
5,000.00	4,911.77	4,646.23	4,638.73	24.69	21.63	-57.33	-733.85	5,329.58	4,835.85	4,790.01	45.85	105.479		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	5,009.77	4,999.15	4,992.13	25.19	22.07	-57.56	-733.02	5,329.74	4,825.16	4,778.38	46.78	103.150			
5,200.00	5,107.78	5,116.79	5,109.77	25.69	22.53	-57.80	-732.50	5,329.34	4,814.04	4,766.31	47.73	100.856			
5,300.00	5,205.78	5,217.87	5,210.85	26.19	22.94	-58.01	-732.49	5,328.73	4,802.70	4,754.06	48.64	98.737			
5,400.00	5,303.78	5,304.21	5,297.18	26.70	23.30	-58.18	-732.91	5,328.37	4,791.61	4,742.10	49.51	96.782			
5,500.00	5,401.78	5,413.05	5,406.02	27.20	23.76	-58.39	-733.97	5,327.92	4,780.57	4,730.11	50.47	94.729			
5,600.00	5,499.79	5,520.39	5,513.36	27.70	24.21	-58.61	-733.88	5,327.17	4,769.32	4,717.91	51.40	92.780			
5,700.00	5,597.79	5,614.74	5,607.67	28.21	24.58	-58.83	-731.36	5,326.39	4,758.09	4,705.80	52.28	91.005			
5,800.00	5,695.79	5,717.62	5,710.53	28.71	24.99	-59.07	-729.30	5,325.60	4,746.96	4,693.77	53.19	89.244			
5,900.00	5,793.80	5,805.69	5,798.58	29.22	25.34	-59.26	-728.48	5,324.95	4,735.91	4,681.85	54.05	87.617			
6,000.00	5,891.80	5,921.89	5,914.79	29.72	25.82	-59.51	-728.56	5,324.04	4,724.84	4,669.82	55.02	85.873			
6,100.00	5,989.80	6,019.55	6,012.43	30.22	26.23	-59.70	-729.20	5,323.09	4,713.62	4,657.68	55.94	84.269			
6,200.00	6,087.80	6,121.32	6,114.20	30.73	26.66	-59.90	-730.33	5,322.21	4,702.55	4,645.68	56.87	82.691			
6,300.00	6,185.81	6,200.93	6,193.79	31.23	27.00	-60.06	-731.49	5,321.38	4,691.37	4,633.65	57.72	81.273			
6,400.00	6,283.81	6,260.00	6,252.86	31.74	27.25	-60.18	-731.75	5,321.40	4,681.22	4,622.72	58.50	80.019			
6,500.00	6,381.81	6,349.00	6,341.86	32.24	27.62	-60.37	-731.78	5,321.49	4,671.33	4,611.95	59.38	78.666			
6,520.79	6,402.19	6,372.77	6,365.63	32.35	27.72	-60.42	-731.81	5,321.47	4,669.22	4,609.64	59.58	78.363			
6,550.00	6,430.87	6,384.13	6,376.99	32.49	27.77	-72.82	-731.81	5,321.52	4,667.12	4,607.33	59.79	78.063			
6,577.72	6,458.17	6,394.95	6,387.81	32.62	27.81	-86.59	-731.80	5,321.61	4,666.47	4,606.49	59.97	77.810	CC, ES		
6,600.00	6,480.12	6,403.64	6,396.50	32.72	27.85	-98.19	-731.78	5,321.71	4,666.89	4,606.77	60.12	77.625			
6,650.00	6,529.30	6,438.00	6,430.85	32.93	27.99	-121.38	-731.67	5,322.34	4,670.97	4,610.48	60.49	77.220			
6,700.00	6,578.09	6,438.00	6,430.85	33.12	27.99	-137.33	-731.67	5,322.34	4,679.15	4,618.44	60.70	77.084			
6,750.00	6,626.21	6,438.00	6,430.85	33.30	27.99	-147.49	-731.67	5,322.34	4,691.67	4,630.79	60.89	77.056	SF		
6,800.00	6,673.34	6,438.00	6,430.85	33.46	27.99	-154.11	-731.67	5,322.34	4,708.44	4,647.39	61.05	77.129			
6,850.00	6,719.21	6,438.00	6,430.85	33.61	27.99	-158.66	-731.67	5,322.34	4,729.29	4,668.11	61.18	77.298			
6,900.00	6,763.53	6,476.93	6,469.75	33.75	28.15	-162.03	-731.39	5,323.91	4,753.25	4,691.78	61.47	77.330			
6,950.00	6,806.03	6,485.08	6,477.88	33.89	28.19	-164.52	-731.31	5,324.40	4,781.34	4,719.74	61.60	77.617			
7,000.00	6,846.44	6,492.69	6,485.48	34.02	28.22	-166.49	-731.23	5,324.90	4,812.84	4,751.13	61.72	77.983			
7,050.00	6,884.52	6,527.00	6,519.66	34.15	28.36	-168.16	-730.77	5,327.78	4,847.91	4,785.97	61.94	78.270			
7,100.00	6,920.03	6,527.00	6,519.66	34.27	28.36	-169.51	-730.77	5,327.78	4,885.33	4,823.34	61.99	78.808			
7,150.00	6,952.75	6,527.00	6,519.66	34.40	28.36	-170.72	-730.77	5,327.78	4,925.43	4,863.40	62.03	79.405			
7,200.00	6,982.48	6,527.00	6,519.66	34.54	28.36	-171.87	-730.77	5,327.78	4,967.89	4,905.83	62.06	80.055			
7,250.00	7,009.04	6,527.00	6,519.66	34.70	28.36	-173.06	-730.77	5,327.78	5,012.40	4,950.32	62.07	80.750			
7,300.00	7,032.26	6,527.00	6,519.66	34.87	28.36	-174.44	-730.77	5,327.78	5,058.63	4,996.55	62.08	81.482			
7,350.00	7,052.00	6,527.00	6,519.66	35.08	28.36	-176.29	-730.77	5,327.78	5,106.26	5,044.17	62.09	82.244			
7,400.00	7,068.14	6,527.00	6,519.66	35.34	28.36	-179.32	-730.77	5,327.78	5,154.95	5,092.86	62.09	83.027			
7,450.00	7,080.57	6,527.00	6,519.66	35.65	28.36	173.76	-730.77	5,327.78	5,204.39	5,142.30	62.09	83.824			
7,500.00	7,089.23	6,527.00	6,519.66	36.01	28.36	140.78	-730.77	5,327.78	5,254.24	5,192.15	62.09	84.626			
7,550.00	7,094.06	6,527.00	6,519.66	36.44	28.36	39.88	-730.77	5,327.78	5,304.20	5,242.11	62.09	85.427			
7,601.12	7,095.00	6,527.00	6,519.66	36.93	28.36	22.62	-730.77	5,327.78	5,355.07	5,292.97	62.10	86.236			
7,700.00	7,092.92	6,527.00	6,519.66	38.05	28.36	22.62	-730.77	5,327.78	5,453.07	5,390.95	62.12	87.784			
7,800.00	7,090.81	6,527.00	6,519.66	39.40	28.36	22.62	-730.77	5,327.78	5,552.21	5,490.07	62.14	89.346			
7,900.00	7,088.70	6,527.00	6,519.66	40.93	28.36	22.62	-730.77	5,327.78	5,651.38	5,589.21	62.17	90.907			
8,000.00	7,086.59	6,527.00	6,519.66	42.61	28.36	22.62	-730.77	5,327.78	5,750.58	5,688.39	62.19	92.465			
8,100.00	7,084.49	6,527.00	6,519.66	44.41	28.36	22.62	-730.77	5,327.78	5,849.81	5,787.59	62.22	94.021			
8,200.00	7,082.38	6,527.00	6,519.66	46.33	28.36	22.62	-730.77	5,327.78	5,949.06	5,886.82	62.24	95.576			
8,300.00	7,080.27	6,527.00	6,519.66	48.34	28.36	22.62	-730.77	5,327.78	6,048.34	5,986.07	62.27	97.128			
8,400.00	7,078.16	6,527.00	6,519.66	50.43	28.36	22.62	-730.77	5,327.78	6,147.64	6,085.34	62.30	98.678			
8,500.00	7,076.05	6,527.00	6,519.66	52.59	28.36	22.62	-730.77	5,327.78	6,246.96	6,184.63	62.33	100.226			
8,600.00	7,073.94	6,527.00	6,519.66	54.82	28.36	22.62	-730.77	5,327.78	6,346.31	6,283.95	62.36	101.771			
8,700.00	7,071.84	6,527.00	6,519.66	57.10	28.36	22.62	-730.77	5,327.78	6,445.67	6,383.28	62.39	103.314			
8,800.00	7,069.73	6,527.00	6,519.66	59.44	28.36	22.62	-730.77	5,327.78	6,545.06	6,482.64	62.42	104.855			
8,900.00	7,067.62	6,527.00	6,519.66	61.81	28.36	22.62	-730.77	5,327.78	6,644.46	6,582.01	62.45	106.393			

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWDD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	6,527.00	6,519.66	64.23	28.36	22.62	-730.77	5,327.78	6,743.88	6,681.39	62.48	107.929		
9,100.00	7,063.40	6,527.00	6,519.66	66.68	28.36	22.62	-730.77	5,327.78	6,843.32	6,780.80	62.52	109.461		
9,200.00	7,061.29	6,527.00	6,519.66	69.15	28.36	22.62	-730.77	5,327.78	6,942.77	6,880.22	62.55	110.992		
9,300.00	7,059.18	6,527.00	6,519.66	71.66	28.36	22.62	-730.77	5,327.78	7,042.24	6,979.65	62.59	112.519		
9,400.00	7,057.08	6,527.00	6,519.66	74.19	28.36	22.62	-730.77	5,327.78	7,141.72	7,079.10	62.62	114.044		
9,500.00	7,054.97	6,527.00	6,519.66	76.75	28.36	22.62	-730.77	5,327.78	7,241.22	7,178.56	62.66	115.566		
9,600.00	7,052.86	6,527.00	6,519.66	79.32	28.36	22.62	-730.77	5,327.78	7,340.73	7,278.04	62.70	117.084		
9,700.00	7,050.75	6,527.00	6,519.66	81.91	28.36	22.62	-730.77	5,327.78	7,440.26	7,377.52	62.73	118.600		
9,800.00	7,048.64	6,527.00	6,519.66	84.52	28.36	22.62	-730.77	5,327.78	7,539.79	7,477.02	62.77	120.113		
9,900.00	7,046.53	6,527.00	6,519.66	87.14	28.36	22.62	-730.77	5,327.78	7,639.34	7,576.53	62.81	121.623		
10,000.00	7,044.43	6,527.00	6,519.66	89.78	28.36	22.62	-730.77	5,327.78	7,738.90	7,676.05	62.85	123.129		
10,100.00	7,042.32	6,527.00	6,519.66	92.43	28.36	22.62	-730.77	5,327.78	7,838.48	7,775.58	62.89	124.633		
10,200.00	7,040.21	6,489.44	6,482.23	95.09	28.21	21.50	-731.26	5,324.68	7,937.38	7,874.59	62.79	126.409		
10,300.00	7,038.10	6,488.30	6,481.10	97.76	28.20	21.47	-731.27	5,324.60	8,036.93	7,974.10	62.83	127.915		
10,400.00	7,035.99	6,487.19	6,479.99	100.44	28.20	21.43	-731.29	5,324.53	8,136.49	8,073.62	62.87	129.418		
10,500.00	7,033.88	6,486.10	6,478.90	103.13	28.19	21.40	-731.30	5,324.46	8,236.06	8,173.15	62.91	130.917		
10,600.00	7,031.78	6,485.03	6,477.84	105.82	28.19	21.37	-731.31	5,324.39	8,335.64	8,272.69	62.95	132.412		
10,700.00	7,029.67	6,483.99	6,476.79	108.53	28.18	21.34	-731.32	5,324.33	8,435.23	8,372.24	62.99	133.903		
10,800.00	7,027.56	6,482.97	6,475.77	111.24	28.18	21.32	-731.33	5,324.26	8,534.83	8,471.79	63.04	135.391		
10,900.00	7,025.45	6,481.96	6,474.77	113.96	28.18	21.29	-731.34	5,324.20	8,634.44	8,571.36	63.08	136.875		
11,000.00	7,023.34	6,480.98	6,473.79	116.68	28.17	21.26	-731.35	5,324.14	8,734.05	8,670.93	63.13	138.356		
11,100.00	7,021.23	6,480.02	6,472.83	119.41	28.17	21.23	-731.36	5,324.09	8,833.68	8,770.50	63.17	139.832		
11,200.00	7,019.13	6,479.08	6,471.89	122.15	28.16	21.21	-731.37	5,324.03	8,933.31	8,870.09	63.22	141.305		
11,300.00	7,017.02	6,478.15	6,470.97	124.89	28.16	21.18	-731.38	5,323.98	9,032.94	8,969.68	63.27	142.774		
11,400.00	7,014.91	6,477.24	6,470.06	127.63	28.16	21.16	-731.39	5,323.93	9,132.59	9,069.27	63.32	144.238		
11,500.00	7,012.80	6,438.00	6,430.85	130.38	27.99	20.13	-731.67	5,322.34	9,232.94	9,169.71	63.23	146.019		
11,600.00	7,010.69	6,438.00	6,430.85	133.14	27.99	20.13	-731.67	5,322.34	9,332.56	9,269.28	63.29	147.469		
11,700.00	7,008.58	6,438.00	6,430.85	135.89	27.99	20.13	-731.67	5,322.34	9,432.20	9,368.86	63.34	148.915		
11,800.00	7,006.47	6,438.00	6,430.85	138.65	27.99	20.13	-731.67	5,322.34	9,531.84	9,468.44	63.39	150.357		
11,900.00	7,004.37	6,438.00	6,430.85	141.42	27.99	20.13	-731.67	5,322.34	9,631.49	9,568.04	63.45	151.795		
12,000.00	7,002.26	6,438.00	6,430.85	144.19	27.99	20.13	-731.67	5,322.34	9,731.14	9,667.64	63.51	153.229		
12,100.00	7,000.15	6,438.00	6,430.85	146.96	27.99	20.13	-731.67	5,322.34	9,830.81	9,767.24	63.56	154.658		
12,200.00	6,998.04	6,438.00	6,430.85	149.73	27.99	20.13	-731.67	5,322.34	9,930.48	9,866.86	63.62	156.084		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.72	-530.21	5,289.25	5,315.80					
100.00	100.00	87.21	87.21	3.28	3.29	95.72	-530.20	5,289.16	5,315.68	5,309.11	6.57	809.048		
200.00	200.00	186.82	186.82	3.34	3.34	95.72	-529.99	5,289.00	5,315.50	5,308.82	6.68	795.797		
300.00	299.98	286.77	286.77	3.44	3.45	-50.95	-529.45	5,288.86	5,314.21	5,307.31	6.89	770.978		
400.00	399.84	389.26	389.26	3.59	3.62	-51.05	-529.14	5,288.75	5,310.77	5,303.56	7.21	736.740		
500.00	499.45	506.49	506.49	3.79	3.86	-51.23	-529.34	5,288.14	5,304.77	5,297.12	7.65	693.625		
600.00	598.70	588.03	588.02	4.04	4.05	-51.43	-529.56	5,287.74	5,296.67	5,288.58	8.08	655.126		
700.00	697.47	648.00	647.99	4.32	4.21	-51.67	-529.08	5,287.79	5,286.92	5,278.40	8.52	620.262		
773.50	769.68	702.40	702.38	4.55	4.36	-51.90	-528.08	5,288.17	5,278.79	5,269.88	8.91	592.736		
800.00	795.65	718.80	718.78	4.64	4.40	-51.93	-527.66	5,288.36	5,275.74	5,266.70	9.04	583.551		
900.00	893.65	813.67	813.57	5.00	4.69	-52.13	-524.11	5,289.80	5,264.53	5,254.86	9.67	544.449		
1,000.00	991.65	903.33	903.02	5.38	4.97	-52.35	-518.36	5,291.28	5,253.32	5,243.00	10.33	508.697		
1,100.00	1,089.66	987.45	986.75	5.78	5.26	-52.58	-510.41	5,293.09	5,242.45	5,231.45	11.00	476.398		
1,200.00	1,187.66	1,078.40	1,077.04	6.20	5.59	-52.85	-499.80	5,295.37	5,231.89	5,220.15	11.74	445.647		
1,300.00	1,285.66	1,169.23	1,167.06	6.63	5.94	-53.14	-487.90	5,297.77	5,221.51	5,209.01	12.51	417.521		
1,400.00	1,383.67	1,342.62	1,338.92	7.07	6.64	-53.70	-465.22	5,301.21	5,210.69	5,197.06	13.63	382.180		
1,500.00	1,481.67	1,525.12	1,520.06	7.51	7.42	-54.26	-443.09	5,301.80	5,198.50	5,183.66	14.84	350.371		
1,600.00	1,579.67	1,607.88	1,602.31	7.97	7.77	-54.51	-433.87	5,301.36	5,185.66	5,170.02	15.64	331.555		
1,700.00	1,677.67	1,670.00	1,663.89	8.43	8.05	-54.71	-425.78	5,301.36	5,173.42	5,157.05	16.37	316.039		
1,800.00	1,775.68	1,717.03	1,710.46	8.90	8.26	-54.87	-419.20	5,301.75	5,162.09	5,145.05	17.04	302.853		
1,900.00	1,873.68	1,762.00	1,754.99	9.37	8.47	-55.02	-412.99	5,302.58	5,151.87	5,134.15	17.72	290.796		
2,000.00	1,971.68	1,812.59	1,805.04	9.84	8.70	-55.19	-405.75	5,303.99	5,142.69	5,124.27	18.42	279.168		
2,100.00	2,069.69	1,966.66	1,957.14	10.32	9.44	-55.74	-381.63	5,308.41	5,133.89	5,114.27	19.62	261.678		
2,200.00	2,167.69	2,012.98	2,002.91	10.80	9.66	-55.90	-374.65	5,309.58	5,124.84	5,104.52	20.32	252.230		
2,300.00	2,265.69	2,062.95	2,052.34	11.28	9.90	-56.07	-367.44	5,311.31	5,116.85	5,095.81	21.04	243.244		
2,400.00	2,363.69	2,130.00	2,118.65	11.77	10.23	-56.30	-357.98	5,314.24	5,109.85	5,088.01	21.84	234.014		
2,500.00	2,461.70	2,255.35	2,242.78	12.25	10.83	-56.72	-341.16	5,318.90	5,102.36	5,079.45	22.91	222.688		
2,600.00	2,559.70	2,315.00	2,301.83	12.74	11.11	-56.91	-333.26	5,321.72	5,095.92	5,072.23	23.68	215.190		
2,700.00	2,657.70	2,700.00	2,394.86	13.23	13.00	-57.23	-320.51	5,325.99	5,089.67	5,063.64	26.03	195.516		
2,800.00	2,755.71	2,462.33	2,447.59	13.72	11.84	-57.42	-312.94	5,328.34	5,083.72	5,058.35	25.37	200.420		
2,900.00	2,853.71	2,499.00	2,483.80	14.21	12.02	-57.54	-307.54	5,330.53	5,079.18	5,053.15	26.03	195.133		
3,000.00	2,951.71	2,716.87	2,699.15	14.70	13.11	-58.30	-276.30	5,341.36	5,073.52	5,045.93	27.59	183.857		
3,100.00	3,049.71	2,883.65	2,864.41	15.20	13.93	-58.86	-254.84	5,347.38	5,067.22	5,038.33	28.89	175.389		
3,200.00	3,147.72	3,087.32	3,067.47	15.69	14.83	-59.41	-240.17	5,351.71	5,059.54	5,029.28	30.26	167.211		
3,300.00	3,245.72	3,221.00	3,201.12	16.19	15.35	-59.68	-239.25	5,352.64	5,050.03	5,018.77	31.26	161.562		
3,400.00	3,343.72	3,378.67	3,358.77	16.69	15.91	-59.96	-242.17	5,352.38	5,039.57	5,007.28	32.29	156.062		
3,500.00	3,441.73	3,490.15	3,470.23	17.18	16.32	-60.17	-243.40	5,351.42	5,028.57	4,995.38	33.19	151.511		
3,600.00	3,539.73	3,607.03	3,587.10	17.68	16.78	-60.40	-243.24	5,349.67	5,017.02	4,982.90	34.13	147.018		
3,700.00	3,637.73	3,652.76	3,632.83	18.18	16.96	-60.49	-243.09	5,349.26	5,006.17	4,971.36	34.82	143.780		
3,800.00	3,735.73	3,748.24	3,728.30	18.68	17.34	-60.69	-242.61	5,349.15	4,996.16	4,960.46	35.69	139.973		
3,900.00	3,833.74	3,889.32	3,869.38	19.18	17.89	-60.98	-242.19	5,347.91	4,985.40	4,948.67	36.73	135.733		
4,000.00	3,931.74	3,981.55	3,961.60	19.67	18.26	-61.17	-241.88	5,346.84	4,974.50	4,936.91	37.59	132.329		
4,100.00	4,029.74	4,074.77	4,054.81	20.17	18.63	-61.36	-241.68	5,345.90	4,963.78	4,925.32	38.46	129.070		
4,200.00	4,127.75	4,160.02	4,140.07	20.67	18.96	-61.53	-242.05	5,345.15	4,953.22	4,913.93	39.29	126.063		
4,300.00	4,225.75	4,238.02	4,218.06	21.18	19.26	-61.68	-242.60	5,344.81	4,943.12	4,903.02	40.10	123.277		
4,400.00	4,323.75	4,320.14	4,300.18	21.68	19.58	-61.85	-242.86	5,344.70	4,933.40	4,892.49	40.92	120.565		
4,500.00	4,421.76	4,403.37	4,383.41	22.18	19.91	-62.02	-242.97	5,344.87	4,924.09	4,882.34	41.75	117.948		
4,600.00	4,519.76	4,501.74	4,481.78	22.68	20.29	-62.22	-243.12	5,345.18	4,914.95	4,872.31	42.63	115.283		
4,700.00	4,617.76	4,567.00	4,547.04	23.18	20.55	-62.35	-243.17	5,345.40	4,905.99	4,862.59	43.40	113.035		
4,800.00	4,715.76	4,634.94	4,614.98	23.68	20.83	-62.49	-242.84	5,346.03	4,897.72	4,853.53	44.19	110.841		
4,900.00	4,813.77	4,709.15	4,689.16	24.18	21.13	-62.66	-241.71	5,347.38	4,890.36	4,845.36	45.00	108.674		
5,000.00	4,911.77	4,844.14	4,824.09	24.69	21.71	-62.98	-237.97	5,349.40	4,882.96	4,836.90	46.06	106.010		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	4,916.79	4,896.71	25.19	22.01	-63.14	-236.85	5,350.44	4,875.41	4,828.54	46.87	104.016		
5,200.00	5,107.78	5,134.79	5,114.65	25.69	22.86	-63.55	-241.42	5,351.47	4,866.15	4,817.97	48.18	101.009		
5,300.00	5,205.78	5,246.53	5,226.37	26.19	23.30	-63.76	-243.59	5,350.85	4,856.40	4,807.29	49.11	98.896		
5,400.00	5,303.78	5,366.51	5,346.32	26.70	23.77	-63.99	-245.88	5,349.79	4,846.39	4,796.33	50.07	96.798		
5,500.00	5,401.78	5,461.86	5,441.66	27.20	24.15	-64.18	-247.08	5,348.66	4,836.21	4,785.26	50.95	94.920		
5,600.00	5,499.79	5,551.53	5,531.32	27.70	24.51	-64.36	-248.10	5,347.69	4,826.21	4,774.39	51.82	93.140		
5,700.00	5,597.79	5,604.88	5,584.66	28.21	24.72	-64.46	-249.02	5,347.46	4,816.82	4,764.26	52.56	91.652		
5,800.00	5,695.79	5,678.40	5,658.15	28.71	25.01	-64.60	-250.94	5,347.86	4,808.29	4,754.92	53.36	90.107		
5,900.00	5,793.80	5,814.22	5,793.91	29.22	25.55	-64.84	-254.95	5,348.46	4,799.74	4,745.36	54.38	88.257		
6,000.00	5,891.80	5,966.33	5,945.96	29.72	26.16	-65.12	-259.10	5,347.44	4,790.15	4,734.69	55.46	86.369		
6,100.00	5,989.80	6,081.07	6,060.67	30.22	26.63	-65.36	-260.81	5,345.53	4,779.80	4,723.38	56.42	84.721		
6,200.00	6,087.80	6,143.24	6,122.83	30.73	26.88	-65.48	-261.61	5,344.63	4,769.76	4,712.56	57.20	83.387		
6,300.00	6,185.81	6,300.00	6,228.67	31.23	27.52	-65.71	-262.48	5,343.39	4,760.11	4,701.77	58.34	81.589		
6,400.00	6,283.81	6,312.90	6,292.47	31.74	27.57	-65.84	-263.25	5,342.66	4,750.59	4,691.67	58.92	80.628		
6,500.00	6,381.81	6,351.00	6,330.56	32.24	27.73	-65.92	-263.60	5,342.64	4,742.23	4,682.62	59.61	79.551		
6,520.79	6,402.19	6,372.77	6,352.34	32.35	27.82	-65.97	-263.75	5,342.75	4,740.60	4,680.80	59.81	79.266		
6,550.00	6,430.87	6,390.45	6,370.01	32.49	27.89	-78.37	-263.86	5,342.89	4,739.07	4,679.04	60.03	78.947		
6,567.46	6,448.06	6,401.04	6,380.60	32.57	27.94	-86.89	-263.92	5,343.00	4,738.81	4,678.66	60.16	78.773 CC, ES		
6,600.00	6,480.12	6,420.77	6,400.33	32.72	28.02	-103.76	-264.01	5,343.23	4,739.68	4,679.29	60.40	78.475		
6,650.00	6,529.30	6,441.00	6,420.56	32.93	28.10	-126.96	-264.09	5,343.51	4,744.42	4,683.71	60.71	78.153		
6,700.00	6,578.09	6,441.00	6,420.56	33.12	28.10	-143.00	-264.09	5,343.51	4,753.45	4,692.54	60.91	78.038		
6,750.00	6,626.21	6,441.00	6,420.56	33.30	28.10	-153.28	-264.09	5,343.51	4,766.78	4,705.69	61.09	78.028		
6,800.00	6,673.34	6,480.38	6,459.93	33.46	28.26	-160.14	-264.08	5,344.60	4,783.62	4,722.21	61.41	77.897 SF		
6,850.00	6,719.21	6,491.45	6,470.98	33.61	28.31	-164.93	-264.03	5,345.07	4,804.72	4,743.13	61.59	78.007		
6,900.00	6,763.53	6,530.00	6,509.46	33.75	28.47	-168.56	-263.69	5,347.33	4,829.91	4,768.04	61.88	78.056		
6,950.00	6,806.03	6,530.00	6,509.46	33.89	28.47	-171.39	-263.69	5,347.33	4,858.14	4,796.16	61.98	78.381		
7,000.00	6,846.44	6,530.00	6,509.46	34.02	28.47	-173.79	-263.69	5,347.33	4,889.80	4,827.73	62.07	78.784		
7,050.00	6,884.52	6,530.00	6,509.46	34.15	28.47	-175.95	-263.69	5,347.33	4,924.63	4,862.49	62.14	79.257		
7,100.00	6,920.03	6,530.00	6,509.46	34.27	28.47	-178.04	-263.69	5,347.33	4,962.35	4,900.16	62.19	79.794		
7,150.00	6,952.75	6,530.00	6,509.46	34.40	28.47	179.79	-263.69	5,347.33	5,002.66	4,940.43	62.23	80.389		
7,200.00	6,982.48	6,530.00	6,509.46	34.54	28.47	177.35	-263.69	5,347.33	5,045.27	4,983.01	62.26	81.035		
7,250.00	7,009.04	6,530.00	6,509.46	34.70	28.47	174.38	-263.69	5,347.33	5,089.85	5,027.57	62.28	81.724		
7,300.00	7,032.26	6,530.00	6,509.46	34.87	28.47	170.41	-263.69	5,347.33	5,136.07	5,073.78	62.29	82.448		
7,350.00	7,052.00	6,530.00	6,509.46	35.08	28.47	164.59	-263.69	5,347.33	5,183.63	5,121.32	62.30	83.201		
7,400.00	7,068.14	6,530.00	6,509.46	35.34	28.47	154.98	-263.69	5,347.33	5,232.18	5,169.87	62.31	83.974		
7,450.00	7,080.57	6,530.00	6,509.46	35.65	28.47	137.15	-263.69	5,347.33	5,281.41	5,219.09	62.31	84.760		
7,500.00	7,089.23	6,530.00	6,509.46	36.01	28.47	104.91	-263.69	5,347.33	5,330.99	5,268.68	62.31	85.550		
7,550.00	7,094.06	6,530.00	6,509.46	36.44	28.47	69.35	-263.69	5,347.33	5,380.62	5,318.30	62.32	86.338		
7,601.12	7,095.00	6,530.00	6,509.46	36.93	28.47	47.75	-263.69	5,347.33	5,431.10	5,368.77	62.33	87.132		
7,700.00	7,092.92	6,530.00	6,509.46	38.05	28.47	47.75	-263.69	5,347.33	5,528.31	5,465.95	62.36	88.649		
7,800.00	7,090.81	6,530.00	6,509.46	39.40	28.47	47.75	-263.69	5,347.33	5,626.67	5,564.28	62.40	90.176		
7,900.00	7,088.70	6,530.00	6,509.46	40.93	28.47	47.75	-263.69	5,347.33	5,725.10	5,662.66	62.43	91.697		
8,000.00	7,086.59	6,530.00	6,509.46	42.61	28.47	47.75	-263.69	5,347.33	5,823.57	5,761.10	62.48	93.214		
8,100.00	7,084.49	6,530.00	6,509.46	44.41	28.47	47.75	-263.69	5,347.33	5,922.10	5,859.58	62.52	94.725		
8,200.00	7,082.38	6,530.00	6,509.46	46.33	28.47	47.75	-263.69	5,347.33	6,020.68	5,958.11	62.56	96.231		
8,300.00	7,080.27	6,530.00	6,509.46	48.34	28.47	47.75	-263.69	5,347.33	6,119.30	6,056.68	62.61	97.732		
8,400.00	7,078.16	6,530.00	6,509.46	50.43	28.47	47.75	-263.69	5,347.33	6,217.96	6,155.30	62.66	99.229		
8,500.00	7,076.05	6,530.00	6,509.46	52.59	28.47	47.75	-263.69	5,347.33	6,316.67	6,253.96	62.71	100.721		
8,600.00	7,073.94	6,530.00	6,509.46	54.82	28.47	47.75	-263.69	5,347.33	6,415.42	6,352.65	62.77	102.208		
8,700.00	7,071.84	6,530.00	6,509.46	57.10	28.47	47.75	-263.69	5,347.33	6,514.21	6,451.38	62.82	103.691		
8,800.00	7,069.73	6,530.00	6,509.46	59.44	28.47	47.75	-263.69	5,347.33	6,613.03	6,550.15	62.88	105.169		
8,900.00	7,067.62	6,530.00	6,509.46	61.81	28.47	47.75	-263.69	5,347.33	6,711.89	6,648.95	62.94	106.643		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	6,530.00	6,509.46	64.23	28.47	47.75	-263.69	5,347.33	6,810.78	6,747.78	63.00	108.113		
9,100.00	7,063.40	6,530.00	6,509.46	66.68	28.47	47.75	-263.69	5,347.33	6,909.70	6,846.64	63.06	109.579		
9,200.00	7,061.29	6,530.00	6,509.46	69.15	28.47	47.75	-263.69	5,347.33	7,008.65	6,945.53	63.12	111.040		
9,300.00	7,059.18	6,530.00	6,509.46	71.66	28.47	47.75	-263.69	5,347.33	7,107.64	7,044.45	63.18	112.497		
9,400.00	7,057.08	6,530.00	6,509.46	74.19	28.47	47.75	-263.69	5,347.33	7,206.65	7,143.40	63.24	113.950		
9,500.00	7,054.97	6,530.00	6,509.46	76.75	28.47	47.75	-263.69	5,347.33	7,305.68	7,242.38	63.31	115.399		
9,600.00	7,052.86	6,530.00	6,509.46	79.32	28.47	47.75	-263.69	5,347.33	7,404.75	7,341.37	63.37	116.844		
9,700.00	7,050.75	6,530.00	6,509.46	81.91	28.47	47.75	-263.69	5,347.33	7,503.84	7,440.40	63.44	118.284		
9,800.00	7,048.64	6,530.00	6,509.46	84.52	28.47	47.75	-263.69	5,347.33	7,602.95	7,539.44	63.51	119.721		
9,900.00	7,046.53	6,530.00	6,509.46	87.14	28.47	47.75	-263.69	5,347.33	7,702.08	7,638.51	63.57	121.154		
10,000.00	7,044.43	6,530.00	6,509.46	89.78	28.47	47.75	-263.69	5,347.33	7,801.24	7,737.60	63.64	122.583		
10,100.00	7,042.32	6,530.00	6,509.46	92.43	28.47	47.75	-263.69	5,347.33	7,900.42	7,836.71	63.71	124.008		
10,200.00	7,040.21	6,530.00	6,509.46	95.09	28.47	47.75	-263.69	5,347.33	7,999.62	7,935.84	63.78	125.429		
10,300.00	7,038.10	6,530.00	6,509.46	97.76	28.47	47.75	-263.69	5,347.33	8,098.84	8,034.99	63.85	126.846		
10,400.00	7,035.99	6,530.00	6,509.46	100.44	28.47	47.75	-263.69	5,347.33	8,198.08	8,134.16	63.92	128.259		
10,500.00	7,033.88	6,530.00	6,509.46	103.13	28.47	47.75	-263.69	5,347.33	8,297.33	8,233.34	63.99	129.668		
10,600.00	7,031.78	6,530.00	6,509.46	105.82	28.47	47.75	-263.69	5,347.33	8,396.61	8,332.54	64.06	131.073		
10,700.00	7,029.67	6,530.00	6,509.46	108.53	28.47	47.75	-263.69	5,347.33	8,495.90	8,431.76	64.13	132.475		
10,800.00	7,027.56	6,530.00	6,509.46	111.24	28.47	47.75	-263.69	5,347.33	8,595.20	8,531.00	64.20	133.872		
10,900.00	7,025.45	6,530.00	6,509.46	113.96	28.47	47.75	-263.69	5,347.33	8,694.53	8,630.25	64.28	135.265		
11,000.00	7,023.34	6,530.00	6,509.46	116.68	28.47	47.75	-263.69	5,347.33	8,793.86	8,729.51	64.35	136.655		
11,100.00	7,021.23	6,530.00	6,509.46	119.41	28.47	47.75	-263.69	5,347.33	8,893.22	8,828.79	64.42	138.040		
11,200.00	7,019.13	6,530.00	6,509.46	122.15	28.47	47.75	-263.69	5,347.33	8,992.59	8,928.09	64.50	139.422		
11,300.00	7,017.02	6,530.00	6,509.46	124.89	28.47	47.75	-263.69	5,347.33	9,091.97	9,027.39	64.57	140.800		
11,400.00	7,014.91	6,530.00	6,509.46	127.63	28.47	47.75	-263.69	5,347.33	9,191.36	9,126.71	64.65	142.173		
11,500.00	7,012.80	6,530.00	6,509.46	130.38	28.47	47.75	-263.69	5,347.33	9,290.77	9,226.04	64.72	143.543		
11,600.00	7,010.69	6,530.00	6,509.46	133.14	28.47	47.75	-263.69	5,347.33	9,390.19	9,325.39	64.80	144.909		
11,700.00	7,008.58	6,530.00	6,509.46	135.89	28.47	47.75	-263.69	5,347.33	9,489.62	9,424.75	64.88	146.271		
11,800.00	7,006.47	6,530.00	6,509.46	138.65	28.47	47.75	-263.69	5,347.33	9,589.07	9,524.11	64.95	147.629		
11,900.00	7,004.37	6,530.00	6,509.46	141.42	28.47	47.75	-263.69	5,347.33	9,688.52	9,623.49	65.03	148.982		
12,000.00	7,002.26	6,530.00	6,509.46	144.19	28.47	47.75	-263.69	5,347.33	9,787.99	9,722.88	65.11	150.332		
12,100.00	7,000.15	6,530.00	6,509.46	146.96	28.47	47.75	-263.69	5,347.33	9,887.47	9,822.28	65.19	151.678		
12,200.00	6,998.04	6,530.00	6,509.46	149.73	28.47	47.75	-263.69	5,347.33	9,986.96	9,921.69	65.27	153.020		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.85	-538.23	5,249.99	5,277.56					
100.00	100.00	131.48	131.48	3.28	3.29	95.86	-538.55	5,249.28	5,277.12	5,270.54	6.58	802.248		
200.00	200.00	228.62	228.61	3.34	3.34	95.86	-538.86	5,248.09	5,275.94	5,269.26	6.68	790.380		
300.00	299.98	296.08	296.07	3.44	3.40	-50.81	-538.20	5,247.68	5,274.14	5,267.29	6.84	770.680		
400.00	399.84	364.00	363.96	3.59	3.49	-50.91	-536.54	5,247.88	5,270.85	5,263.76	7.08	744.135		
500.00	499.45	429.58	429.48	3.79	3.60	-51.07	-533.74	5,248.61	5,265.99	5,258.60	7.39	712.532		
600.00	598.70	507.02	506.76	4.04	3.75	-51.30	-528.90	5,249.95	5,259.43	5,251.64	7.79	675.369		
700.00	697.47	603.46	602.90	4.32	3.98	-51.65	-521.70	5,252.02	5,251.05	5,242.75	8.30	632.750		
773.50	769.68	675.02	674.22	4.55	4.17	-51.94	-515.91	5,253.47	5,243.45	5,234.72	8.72	601.033		
800.00	795.65	694.96	694.07	4.64	4.23	-52.00	-514.21	5,253.91	5,240.54	5,231.67	8.87	590.836		
900.00	893.65	778.94	777.68	5.00	4.48	-52.23	-506.62	5,255.99	5,229.87	5,220.40	9.47	552.153		
1,000.00	991.65	883.90	882.05	5.38	4.84	-52.53	-495.87	5,258.71	5,219.35	5,209.16	10.19	512.091		
1,100.00	1,089.66	991.59	988.95	5.78	5.23	-52.85	-483.08	5,261.35	5,208.71	5,197.73	10.97	474.669		
1,200.00	1,187.66	1,117.00	1,113.40	6.20	5.72	-53.24	-467.86	5,264.03	5,197.91	5,186.05	11.87	438.076		
1,300.00	1,285.66	1,229.54	1,225.00	6.63	6.18	-53.60	-453.41	5,265.58	5,186.43	5,173.68	12.75	406.931		
1,400.00	1,383.67	1,301.00	1,295.85	7.07	6.48	-53.83	-444.19	5,266.86	5,175.54	5,162.06	13.48	383.976		
1,500.00	1,481.67	1,675.55	1,667.61	7.51	8.12	-54.99	-399.46	5,263.90	5,162.38	5,146.86	15.52	332.611		
1,600.00	1,579.67	1,768.94	1,760.47	7.97	8.53	-55.26	-390.15	5,260.59	5,146.85	5,130.48	16.37	314.414		
1,700.00	1,677.67	1,796.01	1,787.40	8.43	8.64	-55.34	-387.46	5,259.86	5,132.14	5,115.19	16.95	302.797		
1,800.00	1,775.68	1,853.00	1,844.13	8.90	8.89	-55.51	-382.10	5,259.21	5,118.90	5,101.24	17.66	289.838		
1,900.00	1,873.68	1,870.07	1,861.13	9.37	8.97	-55.56	-380.51	5,259.21	5,106.61	5,088.40	18.21	280.427		
2,000.00	1,971.68	1,938.07	1,928.76	9.84	9.28	-55.76	-373.44	5,259.45	5,095.33	5,076.34	18.98	268.401		
2,100.00	2,069.69	2,163.97	2,153.25	10.32	10.31	-56.46	-348.55	5,257.38	5,082.57	5,062.11	20.46	248.362		
2,200.00	2,167.69	2,222.00	2,210.88	10.80	10.58	-56.64	-341.73	5,256.96	5,070.21	5,049.00	21.21	239.003		
2,300.00	2,265.69	2,284.81	2,273.29	11.28	10.87	-56.84	-334.68	5,256.93	5,058.70	5,036.71	21.99	230.090		
2,400.00	2,363.69	2,422.42	2,410.07	11.77	11.51	-57.27	-319.71	5,255.40	5,046.51	5,023.41	23.09	218.522		
2,500.00	2,461.70	2,498.00	2,485.18	12.25	11.86	-57.51	-311.37	5,254.38	5,034.34	5,010.40	23.93	210.364		
2,600.00	2,559.70	2,557.87	2,544.69	12.74	12.14	-57.70	-304.84	5,253.90	5,022.87	4,998.16	24.70	203.342		
2,700.00	2,657.70	2,640.42	2,626.68	13.23	12.54	-57.97	-295.22	5,253.98	5,012.33	4,986.75	25.58	195.954		
2,800.00	2,755.71	2,778.06	2,763.33	13.72	13.19	-58.42	-278.74	5,253.37	5,001.45	4,974.74	26.71	187.221		
2,900.00	2,853.71	2,913.99	2,898.34	14.21	13.84	-58.86	-263.10	5,251.62	4,989.92	4,962.08	27.84	179.250		
3,000.00	2,951.71	2,995.01	2,978.88	14.70	14.23	-59.12	-254.40	5,250.25	4,978.18	4,949.46	28.71	173.368		
3,100.00	3,049.71	3,054.63	3,038.09	15.20	14.51	-59.32	-247.41	5,249.67	4,967.26	4,937.76	29.50	168.392		
3,200.00	3,147.72	3,137.00	3,119.92	15.69	14.90	-59.59	-238.01	5,249.01	4,956.70	4,926.31	30.39	163.119		
3,300.00	3,245.72	3,190.87	3,173.45	16.19	15.16	-59.76	-232.03	5,248.88	4,946.91	4,915.77	31.15	158.831		
3,400.00	3,343.72	3,251.55	3,233.71	16.69	15.45	-59.96	-224.92	5,249.51	4,938.32	4,906.39	31.94	154.636		
3,500.00	3,441.73	3,390.50	3,371.90	17.18	16.11	-60.41	-210.39	5,250.49	4,929.57	4,896.49	33.08	149.027		
3,600.00	3,539.73	3,458.10	3,439.18	17.68	16.43	-60.62	-203.90	5,250.88	4,920.84	4,886.95	33.89	145.181		
3,700.00	3,637.73	3,547.51	3,528.10	18.18	16.85	-60.90	-194.67	5,251.92	4,912.84	4,878.03	34.81	141.119		
3,800.00	3,735.73	3,640.00	3,626.28	18.68	18.05	-61.33	-180.86	5,252.55	4,904.29	4,867.79	36.50	134.366		
3,900.00	3,833.74	3,719.26	3,698.91	19.18	17.66	-61.46	-176.79	5,252.84	4,896.25	4,859.63	36.62	133.688		
4,000.00	3,931.74	3,762.00	3,741.38	19.67	17.87	-61.60	-172.04	5,253.76	4,889.61	4,852.27	37.33	130.982		
4,100.00	4,029.74	3,835.34	3,814.17	20.17	18.22	-61.85	-163.32	5,255.85	4,883.93	4,845.74	38.19	127.901		
4,200.00	4,127.75	3,967.71	3,945.47	20.67	18.87	-62.31	-146.82	5,259.10	4,878.16	4,838.83	39.33	124.031		
4,300.00	4,225.75	4,133.58	4,110.21	21.18	19.68	-62.87	-127.77	5,261.66	4,871.66	4,831.04	40.62	119.923		
4,400.00	4,323.75	4,235.55	4,211.66	21.68	20.16	-63.19	-117.61	5,262.39	4,864.30	4,822.70	41.60	116.928		
4,500.00	4,421.76	4,297.00	4,272.80	22.18	20.45	-63.39	-111.36	5,262.96	4,857.38	4,814.98	42.40	114.567		
4,600.00	4,519.76	4,356.58	4,332.04	22.68	20.74	-63.59	-105.08	5,263.92	4,851.31	4,808.12	43.19	112.334		
4,700.00	4,617.76	4,528.16	4,502.76	23.18	21.54	-64.14	-88.34	5,266.89	4,845.57	4,801.09	44.48	108.939		
4,800.00	4,715.76	4,684.00	4,658.10	23.68	22.26	-64.61	-76.00	5,267.17	4,837.99	4,792.32	45.68	105.922		
4,900.00	4,813.77	4,743.00	4,716.94	24.18	22.52	-64.79	-71.59	5,266.99	4,830.24	4,783.79	46.46	103.975		
5,000.00	4,911.77	4,807.49	4,781.23	24.69	22.82	-64.99	-66.51	5,267.22	4,823.30	4,776.04	47.26	102.058		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	5,009.77	4,892.16	4,865.52	25.19	23.22	-65.26	-58.59	5,268.30	4,817.41	4,769.25	48.16	100.032				
5,200.00	5,107.78	5,263.47	5,236.02	25.69	24.82	-66.30	-38.54	5,265.26	4,809.98	4,759.83	50.14	95.922				
5,300.00	5,205.78	5,345.65	5,318.16	26.19	25.14	-66.49	-38.07	5,262.71	4,798.86	4,747.89	50.97	94.142				
5,400.00	5,303.78	5,443.77	5,416.24	26.70	25.52	-66.71	-37.86	5,259.91	4,788.01	4,736.16	51.85	92.337				
5,500.00	5,401.78	5,513.73	5,486.18	27.20	25.78	-66.87	-37.78	5,258.05	4,777.43	4,724.78	52.64	90.753				
5,600.00	5,499.79	5,587.68	5,560.11	27.70	26.06	-67.03	-38.14	5,256.66	4,767.53	4,714.09	53.44	89.213				
5,700.00	5,597.79	5,676.79	5,649.21	28.21	26.40	-67.23	-38.52	5,255.26	4,758.02	4,703.74	54.28	87.649				
5,800.00	5,695.79	5,794.22	5,766.62	28.71	26.85	-67.49	-39.01	5,253.34	4,748.54	4,693.32	55.22	85.990				
5,900.00	5,793.80	5,917.52	5,889.89	29.22	27.31	-67.76	-39.91	5,250.63	4,738.51	4,682.33	56.18	84.351				
6,000.00	5,891.80	5,992.00	5,964.34	29.72	27.59	-67.92	-41.05	5,248.98	4,728.43	4,671.46	56.97	82.992				
6,100.00	5,989.80	6,036.62	6,008.96	30.22	27.77	-68.01	-41.58	5,248.33	4,719.27	4,661.59	57.68	81.811				
6,200.00	6,087.80	6,082.00	6,054.33	30.73	27.94	-68.11	-41.56	5,248.27	4,711.47	4,653.08	58.39	80.688				
6,300.00	6,185.81	6,117.60	6,089.93	31.23	28.08	-68.19	-41.41	5,248.64	4,704.92	4,645.86	59.06	79.666				
6,400.00	6,283.81	6,171.00	6,143.31	31.74	28.29	-68.31	-41.56	5,249.87	4,699.58	4,639.80	59.78	78.612				
6,500.00	6,381.81	6,500.00	6,240.41	32.24	29.56	-68.52	-41.97	5,252.46	4,694.70	4,633.15	61.55	76.274 SF				
6,520.79	6,402.19	6,260.00	6,232.28	32.35	28.63	-68.50	-41.94	5,252.25	4,693.78	4,633.04	60.74	77.280				
6,544.85	6,425.81	6,260.00	6,232.28	32.47	28.63	-78.51	-41.94	5,252.25	4,693.27	4,632.41	60.86	77.118 CC				
6,550.00	6,430.87	6,260.00	6,232.28	32.49	28.63	-80.88	-41.94	5,252.25	4,693.29	4,632.41	60.88	77.086 ES				
6,600.00	6,480.12	6,260.00	6,232.28	32.72	28.63	-106.24	-41.94	5,252.25	4,695.94	4,634.83	61.12	76.834				
6,650.00	6,529.30	6,260.00	6,232.28	32.93	28.63	-129.46	-41.94	5,252.25	4,702.97	4,641.65	61.32	76.691				
6,700.00	6,578.09	6,260.00	6,232.28	33.12	28.63	-145.57	-41.94	5,252.25	4,714.32	4,652.82	61.50	76.655				
6,750.00	6,626.21	6,260.00	6,232.28	33.30	28.63	-155.95	-41.94	5,252.25	4,729.87	4,668.22	61.65	76.721				
6,800.00	6,673.34	6,260.00	6,232.28	33.46	28.63	-162.87	-41.94	5,252.25	4,749.50	4,687.72	61.78	76.882				
6,850.00	6,719.21	6,260.00	6,232.28	33.61	28.63	-167.81	-41.94	5,252.25	4,773.04	4,711.15	61.88	77.130				
6,900.00	6,763.53	6,300.42	6,272.61	33.75	28.79	-171.61	-42.12	5,254.76	4,798.58	4,736.42	62.15	77.204				
6,950.00	6,806.03	6,304.37	6,276.54	33.89	28.80	-174.69	-42.16	5,255.17	4,828.94	4,766.70	62.25	77.576				
7,000.00	6,846.44	6,308.04	6,280.18	34.02	28.82	-177.39	-42.19	5,255.58	4,862.53	4,800.21	62.33	78.018				
7,050.00	6,884.52	6,349.00	6,320.63	34.15	28.97	-179.92	-42.67	5,261.97	4,900.54	4,837.98	62.57	78.326				
7,100.00	6,920.03	6,349.00	6,320.63	34.27	28.97	177.51	-42.67	5,261.97	4,939.53	4,876.92	62.60	78.901				
7,150.00	6,952.75	6,349.00	6,320.63	34.40	28.97	174.70	-42.67	5,261.97	4,980.93	4,918.30	62.63	79.527				
7,200.00	6,982.48	6,349.00	6,320.63	34.54	28.97	171.37	-42.67	5,261.97	5,024.44	4,961.79	62.65	80.197				
7,250.00	7,009.04	6,349.00	6,320.63	34.70	28.97	167.14	-42.67	5,261.97	5,069.73	5,007.07	62.66	80.904				
7,300.00	7,032.26	6,349.00	6,320.63	34.87	28.97	161.30	-42.67	5,261.97	5,116.49	5,053.82	62.67	81.640				
7,350.00	7,052.00	6,349.00	6,320.63	35.08	28.97	152.57	-42.67	5,261.97	5,164.40	5,101.72	62.68	82.397				
7,400.00	7,068.14	6,349.00	6,320.63	35.34	28.97	138.55	-42.67	5,261.97	5,213.11	5,150.43	62.68	83.168				
7,450.00	7,080.57	6,349.00	6,320.63	35.65	28.97	116.08	-42.67	5,261.97	5,262.33	5,199.64	62.69	83.945				
7,500.00	7,089.23	6,349.00	6,320.63	36.01	28.97	87.39	-42.67	5,261.97	5,311.73	5,249.04	62.70	84.721				
7,550.00	7,094.06	6,349.00	6,320.63	36.44	28.97	63.52	-42.67	5,261.97	5,361.02	5,298.31	62.71	85.487				
7,601.12	7,095.00	6,349.00	6,320.63	36.93	28.97	48.25	-42.67	5,261.97	5,410.97	5,348.24	62.73	86.255				
7,700.00	7,092.92	6,349.00	6,320.63	38.05	28.97	48.25	-42.67	5,261.97	5,507.03	5,444.24	62.79	87.710				
7,800.00	7,090.81	6,349.00	6,320.63	39.40	28.97	48.25	-42.67	5,261.97	5,604.27	5,541.42	62.85	89.172				
7,900.00	7,088.70	6,349.00	6,320.63	40.93	28.97	48.25	-42.67	5,261.97	5,701.61	5,638.70	62.91	90.627				
8,000.00	7,086.59	6,349.00	6,320.63	42.61	28.97	48.25	-42.67	5,261.97	5,799.04	5,736.06	62.98	92.074				
8,100.00	7,084.49	6,349.00	6,320.63	44.41	28.97	48.25	-42.67	5,261.97	5,896.56	5,833.50	63.06	93.514				
8,200.00	7,082.38	6,349.00	6,320.63	46.33	28.97	48.25	-42.67	5,261.97	5,994.16	5,931.03	63.13	94.947				
8,300.00	7,080.27	6,349.00	6,320.63	48.34	28.97	48.25	-42.67	5,261.97	6,091.83	6,028.62	63.21	96.374				
8,400.00	7,078.16	6,349.00	6,320.63	50.43	28.97	48.25	-42.67	5,261.97	6,189.58	6,126.29	63.29	97.794				
8,500.00	7,076.05	6,349.00	6,320.63	52.59	28.97	48.25	-42.67	5,261.97	6,287.40	6,224.03	63.38	99.209				
8,600.00	7,073.94	6,349.00	6,320.63	54.82	28.97	48.25	-42.67	5,261.97	6,385.29	6,321.83	63.46	100.617				
8,700.00	7,071.84	6,349.00	6,320.63	57.10	28.97	48.25	-42.67	5,261.97	6,483.25	6,419.70	63.55	102.020				
8,800.00	7,069.73	6,349.00	6,320.63	59.44	28.97	48.25	-42.67	5,261.97	6,581.26	6,517.62	63.64	103.418				
8,900.00	7,067.62	6,349.00	6,320.63	61.81	28.97	48.25	-42.67	5,261.97	6,679.33	6,615.61	63.73	104.810				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,065.51	6,307.70	6,279.85	64.23	28.81	46.96	-42.18	5,255.55	6,775.72	6,712.07	63.65	106.453		
9,100.00	7,063.40	6,306.73	6,278.89	66.68	28.81	46.93	-42.18	5,255.43	6,873.82	6,810.08	63.74	107.840		
9,200.00	7,061.29	6,305.79	6,277.95	69.15	28.81	46.90	-42.17	5,255.33	6,971.97	6,908.14	63.83	109.223		
9,300.00	7,059.18	6,304.88	6,277.04	71.66	28.80	46.87	-42.16	5,255.23	7,070.18	7,006.25	63.93	110.600		
9,400.00	7,057.08	6,303.98	6,276.16	74.19	28.80	46.85	-42.15	5,255.13	7,168.43	7,104.41	64.02	111.973		
9,500.00	7,054.97	6,303.11	6,275.29	76.75	28.80	46.82	-42.15	5,255.04	7,266.73	7,202.61	64.11	113.341		
9,600.00	7,052.86	6,302.27	6,274.45	79.32	28.79	46.79	-42.14	5,254.95	7,365.07	7,300.86	64.21	114.704		
9,700.00	7,050.75	6,301.44	6,273.63	81.91	28.79	46.77	-42.13	5,254.86	7,463.45	7,399.15	64.31	116.063		
9,800.00	7,048.64	6,260.00	6,232.28	84.52	28.63	45.50	-41.94	5,252.25	7,563.57	7,499.32	64.25	117.729		
9,900.00	7,046.53	6,260.00	6,232.28	87.14	28.63	45.50	-41.94	5,252.25	7,661.97	7,597.62	64.35	119.072		
10,000.00	7,044.43	6,260.00	6,232.28	89.78	28.63	45.50	-41.94	5,252.25	7,760.41	7,695.96	64.45	120.412		
10,100.00	7,042.32	6,260.00	6,232.28	92.43	28.63	45.50	-41.94	5,252.25	7,858.89	7,794.34	64.55	121.748		
10,200.00	7,040.21	6,260.00	6,232.28	95.09	28.63	45.50	-41.94	5,252.25	7,957.41	7,892.75	64.65	123.079		
10,300.00	7,038.10	6,260.00	6,232.28	97.76	28.63	45.50	-41.94	5,252.25	8,055.96	7,991.21	64.75	124.407		
10,400.00	7,035.99	6,260.00	6,232.28	100.44	28.63	45.50	-41.94	5,252.25	8,154.55	8,089.70	64.86	125.731		
10,500.00	7,033.88	6,260.00	6,232.28	103.13	28.63	45.50	-41.94	5,252.25	8,253.18	8,188.22	64.96	127.052		
10,600.00	7,031.78	6,260.00	6,232.28	105.82	28.63	45.50	-41.94	5,252.25	8,351.83	8,286.77	65.06	128.368		
10,700.00	7,029.67	6,260.00	6,232.28	108.53	28.63	45.50	-41.94	5,252.25	8,450.52	8,385.36	65.16	129.681		
10,800.00	7,027.56	6,260.00	6,232.28	111.24	28.63	45.50	-41.94	5,252.25	8,549.24	8,483.97	65.27	130.990		
10,900.00	7,025.45	6,260.00	6,232.28	113.96	28.63	45.50	-41.94	5,252.25	8,647.99	8,582.62	65.37	132.296		
11,000.00	7,023.34	6,260.00	6,232.28	116.68	28.63	45.50	-41.94	5,252.25	8,746.77	8,681.30	65.47	133.598		
11,100.00	7,021.23	6,260.00	6,232.28	119.41	28.63	45.50	-41.94	5,252.25	8,845.57	8,780.00	65.57	134.896		
11,200.00	7,019.13	6,260.00	6,232.28	122.15	28.63	45.50	-41.94	5,252.25	8,944.40	8,878.73	65.68	136.191		
11,300.00	7,017.02	6,260.00	6,232.28	124.89	28.63	45.50	-41.94	5,252.25	9,043.26	8,977.48	65.78	137.482		
11,400.00	7,014.91	6,260.00	6,232.28	127.63	28.63	45.50	-41.94	5,252.25	9,142.14	9,076.26	65.88	138.770		
11,500.00	7,012.80	6,260.00	6,232.28	130.38	28.63	45.50	-41.94	5,252.25	9,241.05	9,175.06	65.98	140.054		
11,600.00	7,010.69	6,260.00	6,232.28	133.14	28.63	45.50	-41.94	5,252.25	9,339.97	9,273.89	66.08	141.334		
11,700.00	7,008.58	6,260.00	6,232.28	135.89	28.63	45.50	-41.94	5,252.25	9,438.93	9,372.74	66.19	142.611		
11,800.00	7,006.47	6,260.00	6,232.28	138.65	28.63	45.50	-41.94	5,252.25	9,537.90	9,471.61	66.29	143.885		
11,900.00	7,004.37	6,260.00	6,232.28	141.42	28.63	45.50	-41.94	5,252.25	9,636.89	9,570.50	66.39	145.155		
12,000.00	7,002.26	6,260.00	6,232.28	144.19	28.63	45.50	-41.94	5,252.25	9,735.91	9,669.42	66.49	146.421		
12,100.00	7,000.15	6,260.00	6,232.28	146.96	28.63	45.50	-41.94	5,252.25	9,834.94	9,768.35	66.59	147.684		
12,200.00	6,998.04	6,260.00	6,232.28	149.73	28.63	45.50	-41.94	5,252.25	9,934.00	9,867.30	66.70	148.944		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-71.71	1,939.15	-5,866.58	6,178.76					
100.00	100.00	133.00	133.00	3.28	4.38	-71.71	1,939.15	-5,866.58	6,178.76	6,171.10	7.66	806.496		
200.00	200.00	233.00	233.00	3.34	7.18	-71.71	1,939.15	-5,866.58	6,178.76	6,168.24	10.52	587.425		
300.00	299.98	332.98	332.98	3.44	10.41	141.65	1,939.15	-5,866.58	6,180.13	6,166.28	13.85	446.241		
400.00	399.84	432.84	432.84	3.59	13.76	141.63	1,939.15	-5,866.58	6,184.23	6,166.88	17.35	356.368		
500.00	499.45	532.45	532.45	3.79	17.16	141.60	1,939.15	-5,866.58	6,191.07	6,170.12	20.95	295.501		
600.00	598.70	631.70	631.70	4.04	20.57	141.55	1,939.15	-5,866.58	6,200.65	6,176.04	24.61	251.994		
700.00	697.47	730.47	730.47	4.32	23.98	141.48	1,939.15	-5,866.58	6,212.95	6,184.65	28.30	219.551		
773.50	769.68	802.68	802.68	4.55	26.48	141.43	1,939.15	-5,866.58	6,223.73	6,192.70	31.03	200.582		
800.00	795.65	828.65	828.65	4.64	27.38	141.46	1,939.15	-5,866.58	6,227.89	6,195.87	32.02	194.526		
900.00	893.65	926.65	926.65	5.00	30.78	141.57	1,939.15	-5,866.58	6,243.57	6,207.82	35.75	174.634		
1,000.00	991.65	1,024.65	1,024.65	5.38	34.18	141.68	1,939.15	-5,866.58	6,259.28	6,219.76	39.52	158.399		
1,100.00	1,089.66	1,122.66	1,122.66	5.78	37.59	141.79	1,939.15	-5,866.58	6,275.01	6,231.71	43.30	144.917		
1,200.00	1,187.66	1,220.66	1,220.66	6.20	41.00	141.90	1,939.15	-5,866.58	6,290.77	6,243.67	47.10	133.555		
1,300.00	1,285.66	1,318.66	1,318.66	6.63	44.41	142.01	1,939.15	-5,866.58	6,306.55	6,255.63	50.92	123.856		
1,400.00	1,383.67	1,416.67	1,416.67	7.07	47.82	142.12	1,939.15	-5,866.58	6,322.35	6,267.61	54.75	115.487		
1,500.00	1,481.67	1,514.67	1,514.67	7.51	51.24	142.23	1,939.15	-5,866.58	6,338.18	6,279.60	58.58	108.194		
1,600.00	1,579.67	1,612.67	1,612.67	7.97	54.65	142.34	1,939.15	-5,866.58	6,354.03	6,291.60	62.43	101.785		
1,700.00	1,677.67	1,710.67	1,710.67	8.43	58.07	142.45	1,939.15	-5,866.58	6,369.90	6,303.62	66.28	96.111		
1,800.00	1,775.68	1,808.68	1,808.68	8.90	61.48	142.56	1,939.15	-5,866.58	6,385.80	6,315.66	70.13	91.053		
1,900.00	1,873.68	1,906.68	1,906.68	9.37	64.90	142.67	1,939.15	-5,866.58	6,401.71	6,327.72	73.99	86.518		
2,000.00	1,971.68	2,004.68	2,004.68	9.84	68.32	142.77	1,939.15	-5,866.58	6,417.65	6,339.79	77.86	82.428		
2,100.00	2,069.69	2,102.69	2,102.69	10.32	71.73	142.88	1,939.15	-5,866.58	6,433.61	6,351.89	81.73	78.722		
2,200.00	2,167.69	2,200.69	2,200.69	10.80	75.15	142.99	1,939.15	-5,866.58	6,449.59	6,364.00	85.60	75.348		
2,300.00	2,265.69	2,301.31	2,298.69	11.28	78.66	143.09	1,939.15	-5,866.58	6,465.60	6,376.04	89.56	72.192		
2,400.00	2,363.69	2,403.31	2,396.69	11.77	82.22	143.20	1,939.15	-5,866.58	6,481.62	6,388.05	93.58	69.265		
2,500.00	2,461.70	2,505.30	2,494.70	12.25	85.78	143.30	1,939.15	-5,866.58	6,497.67	6,400.08	97.59	66.579		
2,600.00	2,559.70	2,607.30	2,592.70	12.74	89.34	143.40	1,939.15	-5,866.58	6,513.74	6,412.13	101.61	64.104		
2,700.00	2,657.70	2,709.30	2,690.70	13.23	92.89	143.51	1,939.15	-5,866.58	6,529.83	6,424.19	105.63	61.816		
2,800.00	2,755.71	2,788.71	2,788.71	13.72	95.66	143.61	1,939.15	-5,866.58	6,545.94	6,437.07	108.87	60.128		
2,900.00	2,853.71	2,886.71	2,886.71	14.21	99.08	143.71	1,939.15	-5,866.58	6,562.07	6,449.32	112.75	58.200		
3,000.00	2,951.71	2,984.71	2,984.71	14.70	102.50	143.81	1,939.15	-5,866.58	6,578.22	6,461.58	116.63	56.400		
3,100.00	3,049.71	3,082.71	3,082.71	15.20	105.92	143.92	1,939.15	-5,866.58	6,594.39	6,473.87	120.52	54.716		
3,200.00	3,147.72	3,180.72	3,180.72	15.69	109.34	144.02	1,939.15	-5,866.58	6,610.58	6,486.18	124.41	53.137		
3,300.00	3,245.72	3,278.72	3,278.72	16.19	112.76	144.12	1,939.15	-5,866.58	6,626.79	6,498.50	128.29	51.653		
3,400.00	3,343.72	3,376.72	3,376.72	16.69	116.18	144.22	1,939.15	-5,866.58	6,643.03	6,510.85	132.18	50.257		
3,500.00	3,441.73	3,474.73	3,474.73	17.18	119.60	144.32	1,939.15	-5,866.58	6,659.28	6,523.21	136.07	48.940		
3,600.00	3,539.73	3,572.73	3,572.73	17.68	123.02	144.41	1,939.15	-5,866.58	6,675.55	6,535.59	139.96	47.697		
3,700.00	3,637.73	3,670.73	3,670.73	18.18	126.44	144.51	1,939.15	-5,866.58	6,691.84	6,547.99	143.85	46.520		
3,800.00	3,735.73	3,768.73	3,768.73	18.68	129.86	144.61	1,939.15	-5,866.58	6,708.15	6,560.41	147.74	45.406		
3,900.00	3,833.74	3,866.74	3,866.74	19.18	133.28	144.71	1,939.15	-5,866.58	6,724.48	6,572.85	151.63	44.349		
4,000.00	3,931.74	3,964.74	3,964.74	19.67	136.70	144.81	1,939.15	-5,866.58	6,740.83	6,585.31	155.52	43.344		
4,100.00	4,029.74	4,062.74	4,062.74	20.17	140.12	144.90	1,939.15	-5,866.58	6,757.20	6,597.79	159.41	42.389		
4,200.00	4,127.75	4,160.75	4,160.75	20.67	143.54	145.00	1,939.15	-5,866.58	6,773.58	6,610.28	163.30	41.479		
4,300.00	4,225.75	4,258.75	4,258.75	21.18	146.96	145.09	1,939.15	-5,866.58	6,789.99	6,622.80	167.19	40.612		
4,400.00	4,323.75	4,356.75	4,356.75	21.68	150.38	145.19	1,939.15	-5,866.58	6,806.41	6,635.33	171.08	39.784		
4,500.00	4,421.76	4,454.76	4,454.76	22.18	153.81	145.28	1,939.15	-5,866.58	6,822.85	6,647.88	174.98	38.993		
4,600.00	4,519.76	4,552.76	4,552.76	22.68	157.23	145.38	1,939.15	-5,866.58	6,839.31	6,660.45	178.87	38.237		
4,700.00	4,617.76	4,650.76	4,650.76	23.18	160.65	145.47	1,939.15	-5,866.58	6,855.79	6,673.03	182.76	37.513		
4,800.00	4,715.76	4,748.76	4,748.76	23.68	164.07	145.57	1,939.15	-5,866.58	6,872.29	6,685.64	186.65	36.819		
4,900.00	4,813.77	4,846.77	4,846.77	24.18	167.49	145.66	1,939.15	-5,866.58	6,888.80	6,698.26	190.54	36.153		
5,000.00	4,911.77	4,944.77	4,944.77	24.69	170.91	145.75	1,939.15	-5,866.58	6,905.34	6,710.90	194.44	35.514		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,042.77	5,042.77	25.19	174.33	145.84	1,939.15	-5,866.58	6,921.89	6,723.56	198.33	34.901		
5,200.00	5,107.78	5,140.78	5,140.78	25.69	177.75	145.93	1,939.15	-5,866.58	6,938.45	6,736.23	202.22	34.311		
5,300.00	5,205.78	5,238.78	5,238.78	26.19	181.17	146.03	1,939.15	-5,866.58	6,955.04	6,748.92	206.12	33.743		
5,400.00	5,303.78	5,336.78	5,336.78	26.70	184.59	146.12	1,939.15	-5,866.58	6,971.64	6,761.63	210.01	33.197		
5,500.00	5,401.78	5,434.78	5,434.78	27.20	188.01	146.21	1,939.15	-5,866.58	6,988.26	6,774.36	213.90	32.670		
5,600.00	5,499.79	5,532.79	5,532.79	27.70	191.43	146.30	1,939.15	-5,866.58	7,004.90	6,787.10	217.80	32.163		
5,700.00	5,597.79	5,630.79	5,630.79	28.21	194.85	146.39	1,939.15	-5,866.58	7,021.55	6,799.86	221.69	31.673		
5,800.00	5,695.79	5,728.79	5,728.79	28.71	198.27	146.47	1,939.15	-5,866.58	7,038.22	6,812.64	225.58	31.200		
5,900.00	5,793.80	5,826.80	5,826.80	29.22	201.70	146.56	1,939.15	-5,866.58	7,054.91	6,825.43	229.48	30.743		
6,000.00	5,891.80	5,924.80	5,924.80	29.72	205.12	146.65	1,939.15	-5,866.58	7,071.61	6,838.24	233.37	30.302		
6,100.00	5,989.80	6,022.80	6,022.80	30.22	208.54	146.74	1,939.15	-5,866.58	7,088.33	6,851.07	237.26	29.875		
6,200.00	6,087.80	6,120.80	6,120.80	30.73	211.96	146.83	1,939.15	-5,866.58	7,105.07	6,863.91	241.16	29.462		
6,300.00	6,185.81	6,218.81	6,218.81	31.23	215.38	146.91	1,939.15	-5,866.58	7,121.82	6,876.77	245.05	29.063		
6,400.00	6,283.81	6,316.81	6,316.81	31.74	218.80	147.00	1,939.15	-5,866.58	7,138.59	6,889.64	248.94	28.675		
6,500.00	6,381.81	6,414.81	6,414.81	32.24	222.22	147.09	1,939.15	-5,866.58	7,155.37	6,902.53	252.84	28.300		
6,520.79	6,402.19	6,435.19	6,435.19	32.35	222.93	147.10	1,939.15	-5,866.58	7,158.86	6,905.21	253.65	28.224		
6,550.00	6,430.87	6,463.87	6,463.87	32.49	223.93	134.58	1,939.15	-5,866.58	7,163.17	6,908.39	254.79	28.115		
6,600.00	6,480.12	6,513.12	6,513.12	32.72	225.65	109.13	1,939.15	-5,866.58	7,167.77	6,911.04	256.73	27.919		
6,650.00	6,529.30	6,562.30	6,562.30	32.93	227.37	86.05	1,939.15	-5,866.58	7,168.85	6,910.19	258.66	27.715		
6,700.00	6,578.09	6,611.09	6,611.09	33.12	229.07	70.30	1,939.15	-5,866.58	7,166.40	6,905.85	260.56	27.504		
6,750.00	6,626.21	6,659.21	6,659.21	33.30	230.75	60.51	1,939.15	-5,866.58	7,160.46	6,898.04	262.41	27.287		
6,800.00	6,673.34	6,706.34	6,706.34	33.46	232.40	54.43	1,939.15	-5,866.58	7,151.05	6,886.84	264.21	27.065		
6,850.00	6,719.21	6,752.21	6,752.21	33.61	234.00	50.61	1,939.15	-5,866.58	7,138.25	6,872.30	265.95	26.840		
6,900.00	6,763.53	6,803.47	6,796.53	33.75	235.79	48.26	1,939.15	-5,866.58	7,122.15	6,854.29	267.86	26.589		
6,950.00	6,806.03	6,839.03	6,839.03	33.89	237.03	46.95	1,939.15	-5,866.58	7,102.86	6,833.65	269.21	26.384		
7,000.00	6,846.44	6,879.44	6,879.44	34.02	238.44	46.44	1,939.15	-5,866.58	7,080.50	6,809.79	270.71	26.155		
7,050.00	6,884.52	6,917.52	6,917.52	34.15	239.77	46.58	1,939.15	-5,866.58	7,055.22	6,783.10	272.12	25.927		
7,100.00	6,920.03	6,953.03	6,953.03	34.27	241.01	47.32	1,939.15	-5,866.58	7,027.19	6,753.75	273.43	25.700		
7,150.00	6,952.75	6,985.75	6,985.75	34.40	242.15	48.62	1,939.15	-5,866.58	6,996.58	6,721.94	274.65	25.475		
7,200.00	6,982.48	7,015.48	7,015.48	34.54	243.19	50.51	1,939.15	-5,866.58	6,963.61	6,687.85	275.75	25.253		
7,250.00	7,009.04	7,042.04	7,042.04	34.70	244.11	53.02	1,939.15	-5,866.58	6,928.46	6,651.71	276.75	25.035		
7,300.00	7,032.26	7,065.26	7,065.26	34.87	244.93	56.20	1,939.15	-5,866.58	6,891.38	6,613.74	277.64	24.821		
7,350.00	7,052.00	7,085.00	7,085.00	35.08	245.61	60.13	1,939.15	-5,866.58	6,852.58	6,574.17	278.42	24.613		
7,400.00	7,068.14	7,101.14	7,101.14	35.34	246.18	64.86	1,939.15	-5,866.58	6,812.33	6,533.24	279.08	24.410		
7,450.00	7,080.57	7,113.57	7,113.57	35.65	246.61	70.47	1,939.15	-5,866.58	6,770.85	6,491.22	279.63	24.213		
7,500.00	7,089.23	7,122.23	7,122.23	36.01	246.91	76.93	1,939.15	-5,866.58	6,728.42	6,448.36	280.07	24.024		
7,550.00	7,094.06	7,127.06	7,127.06	36.44	247.08	84.18	1,939.15	-5,866.58	6,685.29	6,404.91	280.39	23.843		
7,601.12	7,095.00	7,128.00	7,128.00	36.93	247.12	92.17	1,939.15	-5,866.58	6,640.75	6,360.16	280.59	23.667		
7,700.00	7,092.92	7,125.92	7,125.92	38.05	247.04	92.14	1,939.15	-5,866.58	6,554.51	6,273.60	280.91	23.333		
7,800.00	7,090.81	7,123.81	7,123.81	39.40	246.97	92.10	1,939.15	-5,866.58	6,467.66	6,186.36	281.30	22.992		
7,900.00	7,088.70	7,121.70	7,121.70	40.93	246.90	92.06	1,939.15	-5,866.58	6,381.20	6,099.43	281.77	22.647		
8,000.00	7,086.59	7,119.59	7,119.59	42.61	246.82	92.02	1,939.15	-5,866.58	6,295.13	6,012.81	282.32	22.298		
8,100.00	7,084.49	7,117.49	7,117.49	44.41	246.75	91.99	1,939.15	-5,866.58	6,209.48	5,926.54	282.95	21.946		
8,200.00	7,082.38	7,115.38	7,115.38	46.33	246.67	91.95	1,939.15	-5,866.58	6,124.27	5,840.61	283.66	21.590		
8,300.00	7,080.27	7,113.27	7,113.27	48.34	246.60	91.91	1,939.15	-5,866.58	6,039.51	5,755.05	284.46	21.232		
8,400.00	7,078.16	7,111.16	7,111.16	50.43	246.53	91.87	1,939.15	-5,866.58	5,955.22	5,669.88	285.35	20.870		
8,500.00	7,076.05	7,109.05	7,109.05	52.59	246.45	91.84	1,939.15	-5,866.58	5,871.43	5,585.11	286.32	20.507		
8,600.00	7,073.94	7,106.94	7,106.94	54.82	246.38	91.80	1,939.15	-5,866.58	5,788.14	5,500.76	287.38	20.141		
8,700.00	7,071.84	7,104.84	7,104.84	57.10	246.31	91.76	1,939.15	-5,866.58	5,705.40	5,416.86	288.53	19.774		
8,800.00	7,069.73	7,102.73	7,102.73	59.44	246.23	91.72	1,939.15	-5,866.58	5,623.21	5,333.44	289.77	19.405		
8,900.00	7,067.62	7,100.62	7,100.62	61.81	246.16	91.69	1,939.15	-5,866.58	5,541.61	5,250.50	291.11	19.036		
9,000.00	7,065.51	7,101.49	7,098.51	64.23	246.19	91.65	1,939.15	-5,866.58	5,460.62	5,167.99	292.63	18.660		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	7,103.60	7,096.40	66.68	246.26	91.61	1,939.15	-5,866.58	5,380.27	5,085.97	294.30	18.282		
9,200.00	7,061.29	7,105.71	7,094.29	69.15	246.34	91.58	1,939.15	-5,866.58	5,300.59	5,004.53	296.05	17.904		
9,300.00	7,059.18	7,107.82	7,092.18	71.66	246.41	91.54	1,939.15	-5,866.58	5,221.60	4,923.70	297.90	17.528		
9,400.00	7,057.08	7,109.92	7,090.08	74.19	246.48	91.50	1,939.15	-5,866.58	5,143.35	4,843.51	299.84	17.154		
9,500.00	7,054.97	7,087.97	7,087.97	76.75	245.72	91.46	1,939.15	-5,866.58	5,065.85	4,764.82	301.03	16.828		
9,600.00	7,052.86	7,085.86	7,085.86	79.32	245.64	91.43	1,939.15	-5,866.58	4,989.16	4,686.15	303.01	16.465		
9,700.00	7,050.75	7,083.75	7,083.75	81.91	245.57	91.39	1,939.15	-5,866.58	4,913.31	4,608.23	305.08	16.105		
9,800.00	7,048.64	7,081.64	7,081.64	84.52	245.50	91.35	1,939.15	-5,866.58	4,838.33	4,531.08	307.25	15.747		
9,900.00	7,046.53	7,079.53	7,079.53	87.14	245.42	91.31	1,939.15	-5,866.58	4,764.28	4,454.77	309.51	15.393		
10,000.00	7,044.43	7,077.43	7,077.43	89.78	245.35	91.28	1,939.15	-5,866.58	4,691.18	4,379.31	311.87	15.042		
10,100.00	7,042.32	7,075.32	7,075.32	92.43	245.28	91.24	1,939.15	-5,866.58	4,619.09	4,304.78	314.32	14.696		
10,200.00	7,040.21	7,073.21	7,073.21	95.09	245.20	91.20	1,939.15	-5,866.58	4,548.06	4,231.20	316.86	14.354		
10,300.00	7,038.10	7,071.10	7,071.10	97.76	245.13	91.16	1,939.15	-5,866.58	4,478.13	4,158.63	319.50	14.016		
10,400.00	7,035.99	7,068.99	7,068.99	100.44	245.06	91.13	1,939.15	-5,866.58	4,409.36	4,087.13	322.23	13.684		
10,500.00	7,033.88	7,066.88	7,066.88	103.13	244.98	91.09	1,939.15	-5,866.58	4,341.80	4,016.75	325.05	13.357		
10,600.00	7,031.78	7,064.78	7,064.78	105.82	244.91	91.05	1,939.15	-5,866.58	4,275.52	3,947.54	327.97	13.036		
10,700.00	7,029.67	7,062.67	7,062.67	108.53	244.83	91.01	1,939.15	-5,866.58	4,210.56	3,879.58	330.98	12.722		
10,800.00	7,027.56	7,060.56	7,060.56	111.24	244.76	90.98	1,939.15	-5,866.58	4,147.00	3,812.92	334.08	12.413		
10,900.00	7,025.45	7,058.45	7,058.45	113.96	244.69	90.94	1,939.15	-5,866.58	4,084.89	3,747.63	337.26	12.112		
11,000.00	7,023.34	7,056.34	7,056.34	116.68	244.61	90.90	1,939.15	-5,866.58	4,024.31	3,683.78	340.53	11.818		
11,100.00	7,021.23	7,054.23	7,054.23	119.41	244.54	90.86	1,939.15	-5,866.58	3,965.33	3,621.44	343.89	11.531		
11,200.00	7,019.13	7,052.13	7,052.13	122.15	244.47	90.83	1,939.15	-5,866.58	3,908.01	3,560.69	347.32	11.252		
11,300.00	7,017.02	7,050.02	7,050.02	124.89	244.39	90.79	1,939.15	-5,866.58	3,852.44	3,501.61	350.83	10.981		
11,400.00	7,014.91	7,047.91	7,047.91	127.63	244.32	90.75	1,939.15	-5,866.58	3,798.68	3,444.28	354.40	10.719		
11,500.00	7,012.80	7,045.80	7,045.80	130.38	244.25	90.71	1,939.15	-5,866.58	3,746.83	3,388.79	358.04	10.465		
11,600.00	7,010.69	7,043.69	7,043.69	133.14	244.17	90.68	1,939.15	-5,866.58	3,696.95	3,335.21	361.74	10.220		
11,700.00	7,008.58	7,041.58	7,041.58	135.89	244.10	90.64	1,939.15	-5,866.58	3,649.12	3,283.64	365.49	9.984		
11,800.00	7,006.47	7,039.47	7,039.47	138.65	244.03	90.60	1,939.15	-5,866.58	3,603.44	3,234.16	369.28	9.758		
11,900.00	7,004.37	7,037.37	7,037.37	141.42	243.95	90.56	1,939.15	-5,866.58	3,559.98	3,186.88	373.10	9.542		
12,000.00	7,002.26	7,035.26	7,035.26	144.19	243.88	90.53	1,939.15	-5,866.58	3,518.82	3,141.88	376.94	9.335		
12,100.00	7,000.15	7,033.15	7,033.15	146.96	243.80	90.49	1,939.15	-5,866.58	3,480.05	3,099.25	380.80	9.139		
12,200.00	6,998.04	7,031.04	7,031.04	149.73	243.73	90.45	1,939.15	-5,866.58	3,443.75	3,059.09	384.66	8.953		
12,300.00	6,995.93	7,028.93	7,028.93	152.51	243.66	90.41	1,939.15	-5,866.58	3,409.99	3,021.49	388.50	8.777		
12,400.00	6,993.82	7,026.82	7,026.82	155.28	243.58	90.38	1,939.15	-5,866.58	3,378.86	2,986.54	392.32	8.612		
12,500.00	6,991.72	7,024.72	7,024.72	158.06	243.51	90.34	1,939.15	-5,866.58	3,350.42	2,954.32	396.10	8.458		
12,600.00	6,989.61	7,022.61	7,022.61	160.85	243.44	90.30	1,939.15	-5,866.58	3,324.74	2,924.91	399.83	8.315		
12,700.00	6,987.50	7,020.50	7,020.50	163.63	243.36	90.26	1,939.15	-5,866.58	3,301.89	2,898.41	403.49	8.183		
12,800.00	6,985.39	7,018.39	7,018.39	166.42	243.29	90.23	1,939.15	-5,866.58	3,281.93	2,874.87	407.06	8.062		
12,900.00	6,983.28	7,016.28	7,016.28	169.21	243.22	90.19	1,939.15	-5,866.58	3,264.92	2,854.37	410.54	7.953		
13,000.00	6,981.17	7,014.17	7,014.17	172.00	243.14	90.15	1,939.15	-5,866.58	3,250.88	2,836.97	413.91	7.854		
13,100.00	6,979.07	7,012.07	7,012.07	174.79	243.07	90.12	1,939.15	-5,866.58	3,239.88	2,822.72	417.16	7.767		
13,200.00	6,976.96	7,009.96	7,009.96	177.59	242.99	90.08	1,939.15	-5,866.58	3,231.93	2,811.66	420.27	7.690		
13,300.00	6,974.85	7,007.85	7,007.85	180.38	242.92	90.04	1,939.15	-5,866.58	3,227.06	2,803.83	423.23	7.625		
13,400.00	6,972.74	7,005.74	7,005.74	183.18	242.85	90.00	1,939.15	-5,866.58	3,225.28	2,799.25	426.03	7.571		
13,407.34	6,972.59	7,005.59	7,005.59	183.39	242.84	90.00	1,939.15	-5,866.58	3,225.28	2,799.05	426.23	7.567 CC		
13,500.00	6,970.63	7,003.63	7,003.63	185.98	242.77	89.97	1,939.15	-5,866.58	3,226.61	2,797.94	428.66	7.527 ES		
13,600.00	6,968.52	7,001.52	7,001.52	188.78	242.70	89.93	1,939.15	-5,866.58	3,231.02	2,799.90	431.12	7.494		
13,700.00	6,966.41	7,000.59	6,999.41	191.58	242.67	89.89	1,939.15	-5,866.58	3,238.52	2,805.08	433.44	7.472		
13,800.00	6,964.31	7,002.69	6,997.31	194.39	242.74	89.85	1,939.15	-5,866.58	3,249.08	2,813.40	435.68	7.458		
13,900.00	6,962.20	7,004.80	6,995.20	197.19	242.81	89.82	1,939.15	-5,866.58	3,262.67	2,824.94	437.73	7.454 SF		
14,000.00	6,960.09	7,006.91	6,993.09	200.00	242.89	89.78	1,939.15	-5,866.58	3,279.25	2,839.67	439.59	7.460		
14,100.00	6,957.98	7,009.02	6,990.98	202.80	242.96	89.74	1,939.15	-5,866.58	3,298.78	2,857.53	441.26	7.476		

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

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,955.87	6,988.87	6,988.87	205.61	242.26	89.70	1,939.15	-5,866.58	3,321.21	2,879.25	441.96	7.515	
14,300.00	6,953.76	6,986.76	6,986.76	208.42	242.19	89.67	1,939.15	-5,866.58	3,346.48	2,903.36	443.12	7.552	
14,400.00	6,951.66	6,984.66	6,984.66	211.23	242.11	89.63	1,939.15	-5,866.58	3,374.51	2,930.42	444.09	7.599	
14,500.00	6,949.55	6,982.55	6,982.55	214.04	242.04	89.59	1,939.15	-5,866.58	3,405.26	2,960.37	444.89	7.654	
14,600.00	6,947.44	6,980.44	6,980.44	216.85	241.96	89.55	1,939.15	-5,866.58	3,438.64	2,993.11	445.52	7.718	
14,700.00	6,945.33	6,978.33	6,978.33	219.66	241.89	89.52	1,939.15	-5,866.58	3,474.57	3,028.57	446.00	7.791	
14,800.00	6,943.22	6,976.22	6,976.22	222.48	241.82	89.48	1,939.15	-5,866.58	3,512.98	3,066.66	446.32	7.871	
14,900.00	6,941.11	6,974.11	6,974.11	225.29	241.74	89.44	1,939.15	-5,866.58	3,553.80	3,107.29	446.50	7.959	
15,000.00	6,939.01	6,972.01	6,972.01	228.11	241.67	89.40	1,939.15	-5,866.58	3,596.92	3,150.37	446.55	8.055	
15,100.00	6,936.90	6,969.90	6,969.90	230.92	241.60	89.37	1,939.15	-5,866.58	3,642.29	3,195.81	446.48	8.158	
15,200.00	6,934.79	6,967.79	6,967.79	233.74	241.52	89.33	1,939.15	-5,866.58	3,689.80	3,243.51	446.29	8.268	
15,300.00	6,932.68	6,965.68	6,965.68	236.56	241.45	89.29	1,939.15	-5,866.58	3,739.38	3,293.40	445.99	8.384	
15,400.00	6,930.57	6,963.57	6,963.57	239.37	241.38	89.25	1,939.15	-5,866.58	3,790.96	3,345.36	445.59	8.508	
15,500.00	6,928.46	6,961.46	6,961.46	242.19	241.30	89.22	1,939.15	-5,866.58	3,844.44	3,399.33	445.11	8.637	
15,521.99	6,928.00	6,961.00	6,961.00	242.81	241.29	89.21	1,939.15	-5,866.58	3,856.45	3,411.45	444.99	8.666	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	15,751.28	7,060.92	3.28	285.25	-1.27	1,631.59	-36.23	7,291.89					
100.00	100.00	15,751.24	7,060.92	3.28	285.25	-1.27	1,631.59	-36.27	7,194.46	7,076.11	118.35	60.791		
200.00	200.00	15,751.20	7,060.92	3.34	285.25	-1.27	1,631.59	-36.31	7,097.10	6,978.37	118.73	59.773		
300.00	299.98	15,751.87	7,060.92	3.44	285.27	-151.84	1,631.60	-35.64	7,000.19	6,881.01	119.18	58.737		
400.00	399.84	15,753.97	7,060.91	3.59	285.34	-154.86	1,631.65	-33.54	6,904.17	6,784.45	119.73	57.666		
500.00	499.45	15,757.49	7,060.91	3.79	285.45	-157.22	1,631.74	-30.02	6,809.23	6,688.84	120.39	56.561		
600.00	598.70	15,762.41	7,060.91	4.04	285.62	-159.11	1,631.87	-25.10	6,715.50	6,594.34	121.16	55.424		
700.00	697.47	15,768.72	7,060.91	4.32	285.82	-160.63	1,632.04	-18.80	6,623.16	6,501.09	122.07	54.257		
773.50	769.68	15,774.22	7,060.90	4.55	286.00	-161.56	1,632.20	-13.29	6,556.28	6,433.46	122.82	53.383		
800.00	795.65	15,776.34	7,060.90	4.64	286.07	-161.52	1,632.26	-11.18	6,532.33	6,409.23	123.10	53.065		
900.00	893.65	15,784.30	7,060.90	5.00	286.33	-161.36	1,632.49	-3.22	6,442.14	6,317.91	124.23	51.857		
1,000.00	991.65	15,792.22	7,060.89	5.38	286.59	-161.20	1,632.74	4.70	6,352.23	6,226.82	125.41	50.651		
1,100.00	1,089.66	15,800.11	7,060.89	5.78	286.85	-161.05	1,633.00	12.58	6,262.61	6,135.96	126.66	49.445		
1,200.00	1,187.66	15,807.96	7,060.89	6.20	287.11	-160.89	1,633.26	20.42	6,173.30	6,045.34	127.96	48.242		
1,300.00	1,285.66	15,816.57	7,060.88	6.63	287.39	-160.72	1,633.57	29.03	6,084.31	5,954.96	129.35	47.037		
1,400.00	1,383.67	15,827.96	7,060.88	7.07	287.77	-160.49	1,633.97	40.41	5,995.64	5,864.80	130.85	45.821		
1,500.00	1,481.67	15,839.44	7,060.88	7.51	288.15	-160.26	1,634.35	51.89	5,907.32	5,774.90	132.42	44.609		
1,600.00	1,579.67	15,851.01	7,060.88	7.97	288.53	-160.03	1,634.73	63.45	5,819.36	5,685.28	134.08	43.403		
1,700.00	1,677.67	15,862.66	7,060.88	8.43	288.91	-159.79	1,635.09	75.10	5,731.77	5,595.96	135.81	42.205		
1,800.00	1,775.68	15,874.41	7,060.88	8.90	289.29	-159.56	1,635.44	86.84	5,644.57	5,506.94	137.63	41.014		
1,900.00	1,873.68	15,886.25	7,060.89	9.37	289.68	-159.32	1,635.78	98.67	5,557.78	5,418.25	139.53	39.832		
2,000.00	1,971.68	15,898.18	7,060.90	9.84	290.07	-159.08	1,636.11	110.60	5,471.42	5,329.89	141.53	38.660		
2,100.00	2,069.69	15,910.21	7,060.91	10.32	290.47	-158.84	1,636.42	122.62	5,385.50	5,241.89	143.61	37.500		
2,200.00	2,167.69	15,922.33	7,060.92	10.80	290.87	-158.59	1,636.72	134.74	5,300.06	5,154.26	145.80	36.352		
2,300.00	2,265.69	15,934.54	7,060.94	11.28	291.27	-158.34	1,637.01	146.95	5,215.11	5,067.03	148.08	35.218		
2,400.00	2,363.69	15,946.85	7,060.96	11.77	291.67	-158.10	1,637.28	159.26	5,130.67	4,980.21	150.47	34.098		
2,500.00	2,461.70	15,959.27	7,060.98	12.25	292.08	-157.84	1,637.54	171.67	5,046.78	4,893.83	152.96	32.995		
2,600.00	2,559.70	15,963.14	7,060.98	12.74	292.21	-157.76	1,637.68	175.54	4,963.48	4,808.09	155.40	31.941		
2,700.00	2,657.70	15,972.21	7,060.99	13.23	292.51	-157.58	1,637.91	184.60	4,880.78	4,722.75	158.04	30.884		
2,800.00	2,755.71	15,981.23	7,061.01	13.72	292.80	-157.40	1,638.15	193.62	4,798.72	4,637.94	160.79	29.845		
2,900.00	2,853.71	15,990.21	7,061.01	14.21	293.10	-157.21	1,638.40	202.60	4,717.34	4,553.69	163.65	28.826		
3,000.00	2,951.71	15,999.14	7,061.02	14.70	293.39	-157.03	1,638.65	211.53	4,636.65	4,470.03	166.63	27.827		
3,100.00	3,049.71	16,008.03	7,061.03	15.20	293.68	-156.85	1,638.92	220.41	4,556.72	4,387.00	169.72	26.849		
3,200.00	3,147.72	16,016.87	7,061.04	15.69	293.97	-156.67	1,639.19	229.25	4,477.57	4,304.64	172.93	25.892		
3,300.00	3,245.72	16,025.67	7,061.04	16.19	294.26	-156.49	1,639.46	238.04	4,399.25	4,222.99	176.26	24.958		
3,400.00	3,343.72	16,035.01	7,061.05	16.69	294.57	-156.30	1,639.77	247.38	4,321.80	4,142.07	179.73	24.046		
3,500.00	3,441.73	16,047.34	7,061.05	17.18	294.98	-156.04	1,640.17	257.71	4,245.27	4,061.87	183.40	23.148		
3,600.00	3,539.73	16,059.70	7,061.06	17.68	295.38	-155.79	1,640.55	272.06	4,169.70	3,982.50	187.19	22.275		
3,700.00	3,637.73	16,072.07	7,061.06	18.18	295.79	-155.54	1,640.93	284.43	4,095.14	3,904.02	191.12	21.427		
3,800.00	3,735.73	16,084.47	7,061.07	18.68	296.20	-155.28	1,641.30	296.82	4,021.66	3,826.47	195.19	20.604		
3,900.00	3,833.74	16,096.88	7,061.07	19.18	296.60	-155.03	1,641.67	309.22	3,949.31	3,749.93	199.38	19.808		
4,000.00	3,931.74	16,109.31	7,061.07	19.67	297.01	-154.77	1,642.02	321.65	3,878.16	3,674.44	203.71	19.037		
4,100.00	4,029.74	16,121.77	7,061.08	20.17	297.42	-154.51	1,642.36	334.10	3,808.26	3,600.08	208.18	18.293		
4,200.00	4,127.75	16,134.24	7,061.08	20.67	297.83	-154.26	1,642.69	346.56	3,739.70	3,526.93	212.78	17.575		
4,300.00	4,225.75	16,146.72	7,061.08	21.18	298.24	-154.00	1,643.02	359.05	3,672.55	3,455.04	217.51	16.885		
4,400.00	4,323.75	16,159.23	7,061.08	21.68	298.65	-153.74	1,643.33	371.55	3,606.89	3,384.52	222.36	16.221		
4,500.00	4,421.76	16,171.76	7,061.08	22.18	299.06	-153.48	1,643.64	384.08	3,542.79	3,315.45	227.34	15.584		
4,600.00	4,519.76	16,175.00	7,061.08	22.68	299.17	-153.41	1,643.73	387.31	3,480.37	3,248.20	232.17	14.991		
4,700.00	4,617.76	16,175.00	7,061.08	23.18	299.17	-153.41	1,643.73	387.31	3,419.73	3,182.73	237.00	14.429		
4,800.00	4,715.76	16,175.00	7,061.08	23.68	299.17	-153.41	1,643.73	387.31	3,360.96	3,119.05	241.91	13.894		
4,900.00	4,813.77	16,175.00	7,061.08	24.18	299.17	-153.41	1,643.73	387.31	3,304.18	3,057.29	246.89	13.383		
5,000.00	4,911.77	16,175.00	7,061.08	24.69	299.17	-153.41	1,643.73	387.31	3,249.48	2,997.57	251.92	12.899		

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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	16,175.00	7,061.08	25.19	299.17	-153.41	1,643.73	387.31	3,196.98	2,939.99	256.98	12.440		
5,200.00	5,107.78	16,175.00	7,061.08	25.69	299.17	-153.41	1,643.73	387.31	3,146.78	2,884.70	262.07	12.007		
5,300.00	5,205.78	16,175.00	7,061.08	26.19	299.17	-153.41	1,643.73	387.31	3,098.99	2,831.83	267.16	11.600		
5,400.00	5,303.78	16,175.00	7,061.08	26.70	299.17	-153.41	1,643.73	387.31	3,053.73	2,781.51	272.22	11.218		
5,500.00	5,401.78	16,175.00	7,061.08	27.20	299.17	-153.41	1,643.73	387.31	3,011.11	2,733.88	277.23	10.861		
5,600.00	5,499.79	16,175.00	7,061.08	27.70	299.17	-153.41	1,643.73	387.31	2,971.25	2,689.08	282.17	10.530		
5,700.00	5,597.79	16,175.00	7,061.08	28.21	299.17	-153.41	1,643.73	387.31	2,934.25	2,647.25	287.01	10.224		
5,800.00	5,695.79	16,175.00	7,061.08	28.71	299.17	-153.41	1,643.73	387.31	2,900.24	2,608.53	291.71	9.942		
5,900.00	5,793.80	16,175.00	7,061.08	29.22	299.17	-153.41	1,643.73	387.31	2,869.30	2,573.06	296.24	9.686		
6,000.00	5,891.80	16,175.00	7,061.08	29.72	299.17	-153.41	1,643.73	387.31	2,841.56	2,540.97	300.58	9.453		
6,100.00	5,989.80	16,175.00	7,061.08	30.22	299.17	-153.41	1,643.73	387.31	2,817.09	2,512.39	304.70	9.246		
6,200.00	6,087.80	16,175.00	7,061.08	30.73	299.17	-153.41	1,643.73	387.31	2,795.98	2,487.43	308.55	9.062		
6,300.00	6,185.81	16,175.00	7,061.08	31.23	299.17	-153.41	1,643.73	387.31	2,778.31	2,466.19	312.12	8.901		
6,400.00	6,283.81	16,175.00	7,061.08	31.74	299.17	-153.41	1,643.73	387.31	2,764.16	2,448.77	315.38	8.764		
6,500.00	6,381.81	16,175.00	7,061.08	32.24	299.17	-153.41	1,643.73	387.31	2,753.56	2,435.26	318.30	8.651		
6,520.79	6,402.19	16,175.00	7,061.08	32.35	299.17	-153.41	1,643.73	387.31	2,751.81	2,432.94	318.87	8.630		
6,550.00	6,430.87	16,175.00	7,061.08	32.49	299.17	-165.59	1,643.73	387.31	2,749.56	2,429.92	319.64	8.602		
6,600.00	6,480.12	16,175.00	7,061.08	32.72	299.17	169.38	1,643.73	387.31	2,746.18	2,425.25	320.94	8.557		
6,650.00	6,529.30	16,175.00	7,061.08	32.93	299.17	146.53	1,643.73	387.31	2,743.44	2,421.24	322.19	8.515		
6,700.00	6,578.09	16,175.00	7,061.08	33.12	299.17	130.78	1,643.73	387.31	2,741.33	2,417.93	323.40	8.477		
6,750.00	6,626.21	16,175.00	7,061.08	33.30	299.17	120.79	1,643.73	387.31	2,739.88	2,415.33	324.55	8.442		
6,800.00	6,673.34	16,175.00	7,061.08	33.46	299.17	114.29	1,643.73	387.31	2,739.10	2,413.46	325.65	8.411		
6,832.83	6,703.62	16,175.00	7,061.08	33.56	299.17	111.19	1,643.73	387.31	2,738.96	2,412.63	326.33	8.393		
6,850.00	6,719.21	16,175.00	7,061.08	33.61	299.17	109.82	1,643.73	387.31	2,739.00	2,412.32	326.68	8.384		
6,900.00	6,763.53	16,175.00	7,061.08	33.75	299.17	106.58	1,643.73	387.31	2,739.57	2,411.91	327.65	8.361		
6,950.00	6,806.03	16,175.00	7,061.08	33.89	299.17	104.11	1,643.73	387.31	2,740.81	2,412.24	328.56	8.342		
7,000.00	6,846.44	16,175.00	7,061.08	34.02	299.17	102.15	1,643.73	387.31	2,742.71	2,413.30	329.40	8.326		
7,050.00	6,884.52	16,175.00	7,061.08	34.15	299.17	100.52	1,643.73	387.31	2,745.25	2,415.08	330.18	8.314		
7,100.00	6,920.03	16,175.00	7,061.08	34.27	299.17	99.14	1,643.73	387.31	2,748.43	2,417.54	330.89	8.306		
7,150.00	6,952.75	16,152.18	7,061.08	34.40	298.42	97.62	1,643.16	364.50	2,752.13	2,421.53	330.60	8.325		
7,200.00	6,982.48	16,103.76	7,061.07	34.54	296.83	95.97	1,641.86	316.10	2,755.82	2,426.58	329.24	8.370		
7,250.00	7,009.04	16,052.60	7,061.06	34.70	295.15	94.52	1,640.33	264.96	2,759.27	2,431.50	327.77	8.418		
7,300.00	7,032.26	16,011.60	7,061.03	34.87	293.80	93.39	1,639.02	223.98	2,762.41	2,435.65	326.76	8.454		
7,350.00	7,052.00	15,976.57	7,061.00	35.08	292.65	92.48	1,638.03	188.97	2,765.35	2,439.31	326.04	8.482		
7,400.00	7,068.14	15,941.76	7,060.95	35.34	291.51	91.72	1,637.17	154.17	2,768.06	2,442.68	325.37	8.507		
7,450.00	7,080.57	15,872.97	7,060.88	35.65	289.25	90.97	1,635.40	85.40	2,770.19	2,446.85	323.34	8.567		
7,500.00	7,089.23	15,814.00	7,060.88	36.01	287.31	90.51	1,633.48	26.46	2,771.41	2,449.63	321.77	8.613		
7,550.00	7,094.06	15,775.62	7,060.90	36.44	286.05	90.30	1,632.24	-11.89	2,772.04	2,450.92	321.13	8.632		
7,601.12	7,095.00	15,741.55	7,060.92	36.93	284.93	90.24	1,631.36	-45.96	2,772.35	2,451.62	320.73	8.644		
7,700.00	7,092.92	15,641.35	7,060.97	38.05	281.64	90.29	1,629.25	-146.14	2,772.74	2,454.07	318.67	8.701		
7,800.00	7,090.81	15,539.54	7,061.03	39.40	278.29	90.33	1,626.80	-247.92	2,772.85	2,456.11	316.74	8.754		
7,900.00	7,088.70	15,417.23	7,060.95	40.93	274.28	90.39	1,623.36	-370.17	2,772.54	2,458.44	314.10	8.827		
8,000.00	7,086.59	15,325.01	7,060.92	42.61	271.26	90.43	1,620.30	-462.34	2,771.75	2,458.90	312.85	8.860		
8,026.13	7,086.04	15,309.99	7,060.88	43.08	270.77	90.43	1,619.89	-477.36	2,771.70	2,458.76	312.93	8.857		
8,100.00	7,084.49	15,254.00	7,060.53	44.41	268.93	90.45	1,618.91	-533.34	2,772.17	2,459.59	312.59	8.868		
8,200.00	7,082.38	15,219.03	7,060.28	46.33	267.77	90.46	1,618.81	-568.31	2,774.14	2,460.35	313.79	8.841		
8,300.00	7,080.27	14,930.01	7,053.62	48.34	258.32	90.45	1,611.26	-856.96	2,774.57	2,469.92	304.65	9.107		
8,400.00	7,078.16	14,838.24	7,050.39	50.43	255.33	90.42	1,605.44	-948.49	2,770.73	2,466.89	303.84	9.119		
8,500.00	7,076.05	14,762.48	7,047.79	52.59	252.87	90.40	1,601.24	-1,024.08	2,767.66	2,463.86	303.80	9.110		
8,600.00	7,073.94	14,682.85	7,045.79	54.82	250.27	90.39	1,597.46	-1,103.60	2,765.39	2,461.75	303.64	9.108		
8,700.00	7,071.84	14,596.40	7,043.97	57.10	247.45	90.39	1,593.86	-1,189.96	2,763.72	2,460.50	303.22	9.115		
8,800.00	7,069.73	14,508.61	7,043.15	59.44	244.59	90.41	1,590.58	-1,277.68	2,762.49	2,459.70	302.79	9.123		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,067.62	14,339.59	7,043.82	61.81	239.09	90.50	1,582.27	-1,446.49	2,759.97	2,461.05	298.92	9.233		
9,000.00	7,065.51	14,176.10	7,044.18	64.23	233.81	90.58	1,570.65	-1,609.56	2,755.40	2,460.22	295.19	9.334		
9,100.00	7,063.40	14,060.85	7,044.36	66.68	230.10	90.64	1,560.54	-1,724.37	2,749.11	2,455.44	293.67	9.361		
9,200.00	7,061.29	13,967.08	7,044.52	69.15	227.09	90.69	1,552.32	-1,817.77	2,742.86	2,449.68	293.18	9.355		
9,300.00	7,059.18	13,895.40	7,044.68	71.66	224.78	90.72	1,546.41	-1,889.21	2,737.17	2,443.41	293.76	9.318		
9,400.00	7,057.08	13,825.47	7,044.86	74.19	222.53	90.76	1,541.52	-1,958.97	2,732.67	2,438.27	294.40	9.282		
9,500.00	7,054.97	13,759.00	7,045.08	76.75	220.38	90.79	1,537.41	-2,025.31	2,729.10	2,433.91	295.19	9.245		
9,600.00	7,052.86	13,690.81	7,045.33	79.32	218.18	90.83	1,534.00	-2,093.41	2,726.72	2,430.83	295.89	9.215		
9,700.00	7,050.75	13,617.27	7,045.60	81.91	215.79	90.87	1,531.43	-2,166.91	2,725.71	2,429.38	296.34	9.198		
9,778.98	7,049.09	13,558.09	7,045.94	83.97	213.86	90.90	1,529.70	-2,226.06	2,725.43	2,428.79	296.64	9.188		
9,800.00	7,048.64	13,546.15	7,046.01	84.52	213.47	90.91	1,529.42	-2,238.00	2,725.48	2,428.61	296.87	9.181		
9,900.00	7,046.53	9,900.00	7,046.18	87.14	96.84	90.94	1,528.57	-2,310.10	2,726.72	2,546.45	180.27	15.126		
10,000.00	7,044.43	13,368.21	7,046.24	89.78	207.67	90.99	1,527.34	-2,415.93	2,728.09	2,431.60	296.48	9.201		
10,100.00	7,042.32	13,316.37	7,046.33	92.43	205.98	91.01	1,527.12	-2,467.76	2,730.21	2,432.46	297.75	9.170		
10,200.00	7,040.21	13,246.61	7,046.53	95.09	203.70	91.05	1,527.98	-2,537.52	2,733.91	2,435.64	298.27	9.166		
10,300.00	7,038.10	12,986.82	7,047.24	97.76	195.25	91.18	1,526.83	-2,797.25	2,737.47	2,446.17	291.29	9.398		
10,400.00	7,035.99	12,860.35	7,047.43	100.44	191.18	91.24	1,520.15	-2,923.54	2,734.59	2,445.01	289.58	9.443		
10,500.00	7,033.88	12,768.54	7,047.45	103.13	188.23	91.28	1,515.60	-3,015.24	2,732.16	2,442.78	289.38	9.441		
10,600.00	7,031.78	12,603.86	7,047.58	105.82	182.96	91.36	1,505.51	-3,179.61	2,728.58	2,442.61	285.97	9.542		
10,700.00	7,029.67	12,466.44	7,047.76	108.53	178.60	91.43	1,494.97	-3,316.62	2,723.58	2,439.87	283.71	9.600		
10,800.00	7,027.56	12,358.00	7,048.01	111.24	175.17	91.48	1,485.00	-3,424.60	2,716.90	2,434.10	282.80	9.607		
10,900.00	7,025.45	12,318.23	7,047.96	113.96	173.91	91.50	1,481.76	-3,464.23	2,711.45	2,426.38	285.06	9.512		
11,000.00	7,023.34	12,265.00	7,047.41	116.68	172.22	91.51	1,479.13	-3,517.39	2,708.58	2,421.95	286.63	9.450		
11,088.01	7,021.49	12,245.32	7,047.08	119.09	171.59	91.52	1,478.58	-3,537.06	2,707.66	2,418.59	289.07	9.367		
11,100.00	7,021.23	12,238.64	7,046.96	119.41	171.37	91.52	1,478.42	-3,543.74	2,707.67	2,418.45	289.23	9.362		
11,200.00	7,019.13	11,200.00	7,044.62	122.15	138.20	91.51	1,476.83	-3,642.97	2,708.55	2,450.28	258.27	10.487		
11,300.00	7,017.02	11,912.28	7,039.09	124.89	160.97	91.50	1,465.19	-3,869.65	2,705.25	2,422.47	282.78	9.567		
11,400.00	7,014.91	11,846.16	7,037.83	127.63	158.88	91.50	1,460.87	-3,935.61	2,701.28	2,417.47	283.81	9.518		
11,500.00	7,012.80	11,797.00	7,037.44	130.38	157.32	91.52	1,458.37	-3,984.70	2,698.87	2,413.33	285.53	9.452		
11,586.65	7,010.97	11,746.47	7,037.23	132.77	155.71	91.53	1,456.61	-4,035.20	2,698.15	2,411.52	286.63	9.413		
11,600.00	7,010.69	11,739.79	7,037.20	133.14	155.50	91.54	1,456.45	-4,041.88	2,698.17	2,411.33	286.84	9.407		
11,700.00	7,008.58	11,679.26	7,036.84	135.89	153.57	91.56	1,455.65	-4,102.40	2,699.29	2,411.34	287.95	9.374		
11,800.00	7,006.47	11,590.56	7,036.55	138.65	150.74	91.59	1,455.08	-4,191.10	2,701.20	2,413.27	287.92	9.382		
11,900.00	7,004.37	11,491.22	7,036.52	141.42	147.57	91.63	1,454.91	-4,290.44	2,703.57	2,416.09	287.49	9.404		
12,000.00	7,002.26	11,357.34	7,036.62	144.19	143.32	91.69	1,453.05	-4,424.30	2,704.62	2,418.92	285.70	9.467		
12,100.00	7,000.15	11,270.87	7,036.68	146.96	140.58	91.73	1,451.78	-4,510.77	2,705.72	2,419.92	285.80	9.467		
12,200.00	6,998.04	11,188.98	7,035.88	149.73	137.99	91.75	1,451.12	-4,592.65	2,707.45	2,421.38	286.06	9.464		
12,300.00	6,995.93	11,041.40	7,033.51	152.51	133.34	91.76	1,449.85	-4,740.21	2,709.32	2,425.56	283.76	9.548		
12,400.00	6,993.82	10,929.04	7,031.70	155.28	129.82	91.78	1,447.06	-4,852.51	2,709.34	2,426.49	282.85	9.579		
12,480.24	6,992.13	10,852.67	7,030.54	157.52	127.44	91.79	1,445.05	-4,928.85	2,709.24	2,426.57	282.68	9.584		
12,500.00	6,991.72	10,838.36	7,030.33	158.06	127.00	91.79	1,444.70	-4,943.15	2,709.26	2,426.45	282.82	9.580		
12,600.00	6,989.61	10,426.80	7,021.96	160.85	114.65	91.81	1,408.94	-5,352.46	2,700.98	2,432.49	268.49	10.060		
12,700.00	6,987.50	10,366.81	7,021.47	163.63	112.92	91.83	1,401.23	-5,411.95	2,690.57	2,420.44	270.13	9.960		
12,800.00	6,985.39	10,304.00	7,021.01	166.42	111.10	91.85	1,393.63	-5,474.30	2,681.15	2,409.56	271.59	9.872		
12,900.00	6,983.28	10,252.96	7,020.92	169.21	109.60	91.88	1,388.25	-5,525.05	2,673.37	2,399.82	273.56	9.773		
13,000.00	6,981.17	10,211.00	7,021.27	172.00	108.38	91.91	1,384.84	-5,566.87	2,667.82	2,391.96	275.86	9.671		
13,100.00	6,979.07	10,145.54	7,022.19	174.79	106.45	91.96	1,380.63	-5,632.18	2,663.99	2,386.94	277.05	9.616		
13,200.00	6,976.96	10,063.30	7,023.59	177.59	104.04	92.03	1,376.25	-5,714.30	2,661.26	2,383.76	277.51	9.590		
13,300.00	6,974.85	9,992.17	7,024.98	180.38	101.95	92.09	1,372.79	-5,785.33	2,659.11	2,380.69	278.42	9.551		
13,378.27	6,973.20	9,948.90	7,025.83	182.57	100.68	92.13	1,371.31	-5,828.57	2,658.50	2,378.89	279.61	9.508		
13,400.00	6,972.74	9,932.00	7,026.16	183.18	100.19	92.14	1,370.89	-5,845.46	2,658.52	2,378.78	279.74	9.504		
13,500.00	6,970.63	9,887.39	7,027.02	185.98	98.87	92.18	1,370.27	-5,890.05	2,659.70	2,378.11	281.60	9.445		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 +N/-S	Centre +E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)					
13,600.00	6,968.52	9,839.00	7,027.96	188.78	97.45	92.22	1,370.49	-5,938.43	2,662.81	2,379.60	283.21	9.402				
13,700.00	6,966.41	9,782.97	7,029.03	191.58	95.79	92.27	1,371.74	-5,994.44	2,667.71	2,383.25	284.46	9.378				
13,800.00	6,964.31	9,721.32	7,030.12	194.39	93.97	92.32	1,374.16	-6,056.03	2,674.23	2,388.77	285.46	9.368				
13,900.00	6,962.20	9,651.00	7,030.69	197.19	91.90	92.36	1,377.66	-6,126.26	2,681.85	2,395.72	286.13	9.373				
14,000.00	6,960.09	9,584.82	7,030.80	200.00	89.95	92.38	1,381.75	-6,192.31	2,690.64	2,403.73	286.91	9.378				
14,100.00	6,957.98	9,438.04	7,030.93	202.80	85.70	92.44	1,391.41	-6,338.77	2,700.05	2,414.80	285.25	9.466				
14,200.00	6,955.87	9,273.00	7,030.48	205.61	81.07	92.49	1,397.15	-6,503.70	2,705.77	2,422.77	283.00	9.561				
14,300.00	6,953.76	9,201.63	7,029.75	208.42	79.12	92.51	1,399.35	-6,575.03	2,711.46	2,427.69	283.77	9.555				
14,400.00	6,951.66	14,400.00	7,026.57	211.23	221.16	92.59	1,399.24	-6,926.01	2,715.85	2,288.33	427.52	6.353 SF				
14,500.00	6,949.55	8,695.33	7,025.56	214.04	66.96	92.64	1,388.65	-7,080.78	2,711.37	2,438.15	273.22	9.924				
14,600.00	6,947.44	8,595.68	7,026.01	216.85	65.04	92.70	1,381.50	-7,180.17	2,706.81	2,433.36	273.45	9.899				
14,700.00	6,945.33	8,398.57	7,027.83	219.66	61.86	92.84	1,362.34	-7,376.33	2,699.32	2,429.05	270.27	9.987				
14,800.00	6,943.22	8,295.48	7,028.76	222.48	60.53	92.92	1,350.74	-7,478.76	2,690.71	2,420.03	270.68	9.941				
14,900.00	6,941.11	8,209.70	7,029.48	225.29	59.59	92.98	1,341.25	-7,564.01	2,682.31	2,410.51	271.80	9.869				
15,000.00	6,939.01	8,133.96	7,030.11	228.11	58.86	93.03	1,333.45	-7,639.35	2,674.65	2,401.35	273.31	9.786				
15,100.00	6,936.90	15,100.00	7,030.81	230.92	201.12	93.10	1,324.31	-7,737.17	2,667.99	2,263.34	404.65	6.593 ES				
15,200.00	6,934.79	7,881.78	7,030.82	233.74	57.14	93.19	1,308.05	-7,890.23	2,660.13	2,386.37	273.77	9.717				
15,300.00	6,932.68	7,774.00	7,026.59	236.56	56.72	93.16	1,295.04	-7,997.11	2,650.42	2,375.51	274.91	9.641				
15,400.00	6,930.57	7,740.49	7,023.67	239.37	56.59	93.11	1,291.45	-8,030.30	2,642.08	2,364.12	277.95	9.505				
15,500.00	6,928.46	7,712.56	7,020.52	242.19	56.49	93.06	1,289.34	-8,057.96	2,636.48	2,355.50	280.97	9.383				
15,521.99	6,928.00	7,681.00	7,016.18	242.81	56.39	92.98	1,287.91	-8,089.19	2,636.05	2,354.95	281.10	9.378 CC				

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2,239.00	2,159.58	3.28	14.67	-70.95	2,791.02	-8,082.27	8,829.24					
100.00	100.00	2,291.75	2,209.02	3.28	15.11	-71.04	2,774.33	-8,074.54	8,804.41	8,787.50	16.91	520.573		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-71.10	2,762.65	-8,069.65	8,780.35	8,763.16	17.19	510.815		
300.00	299.98	2,369.08	2,281.47	3.44	15.75	142.47	2,749.27	-8,064.45	8,758.30	8,740.75	17.55	499.123		
400.00	399.84	2,418.00	2,327.31	3.59	16.16	142.63	2,733.21	-8,058.60	8,739.57	8,721.56	18.01	485.351		
500.00	499.45	2,478.56	2,384.05	3.79	16.66	142.73	2,713.19	-8,051.71	8,724.09	8,705.48	18.61	468.843		
600.00	598.70	2,686.00	2,578.52	4.04	18.39	142.62	2,645.32	-8,027.09	8,711.25	8,690.93	20.32	428.713		
700.00	697.47	2,731.22	2,620.94	4.32	18.77	142.69	2,630.74	-8,021.37	8,700.54	8,679.64	20.90	416.285		
773.50	769.68	2,775.00	2,662.03	4.55	19.14	142.72	2,616.56	-8,016.22	8,694.94	8,673.51	21.43	405.737		
800.00	795.65	2,775.00	2,662.03	4.64	19.14	142.72	2,616.56	-8,016.22	8,693.23	8,671.72	21.51	404.107		
900.00	893.65	2,813.02	2,697.73	5.00	19.46	142.68	2,604.15	-8,012.06	8,687.35	8,665.23	22.12	392.668		
1,000.00	991.65	2,865.00	2,746.50	5.38	19.89	142.62	2,586.96	-8,006.79	8,682.11	8,659.25	22.86	379.733		
1,100.00	1,089.66	2,951.55	2,827.67	5.78	20.61	142.53	2,558.13	-7,998.41	8,677.27	8,653.38	23.88	363.297		
1,200.00	1,187.66	3,056.54	2,926.15	6.20	21.49	142.41	2,523.17	-7,988.16	8,672.39	8,647.33	25.06	346.043		
1,300.00	1,285.66	3,149.22	3,013.08	6.63	22.26	142.31	2,492.32	-7,979.17	8,667.61	8,641.45	26.16	331.290		
1,400.00	1,383.67	1,400.00	3,163.30	7.07	8.01	142.14	2,439.23	-7,962.72	8,662.31	8,648.27	14.04	617.088		
1,500.00	1,481.67	3,375.40	3,225.22	7.51	24.17	142.07	2,417.46	-7,955.75	8,656.95	8,628.25	28.70	301.604		
1,600.00	1,579.67	4,004.03	3,814.71	7.97	29.52	141.51	2,219.58	-7,866.32	8,647.18	8,613.59	33.59	257.433		
1,700.00	1,677.67	4,028.00	3,837.19	8.43	29.73	141.49	2,212.43	-7,862.11	8,636.47	8,602.26	34.22	252.391		
1,800.00	1,775.68	4,068.63	3,875.33	8.90	30.08	141.46	2,200.17	-7,855.33	8,626.50	8,591.53	34.97	246.680		
1,900.00	1,873.68	4,117.00	3,920.77	9.37	30.49	141.42	2,185.28	-7,848.06	8,617.49	8,581.71	35.78	240.841		
2,000.00	1,971.68	4,117.00	3,920.77	9.84	30.49	141.42	2,185.28	-7,848.06	8,609.14	8,572.88	36.26	237.413		
2,100.00	2,069.69	4,180.96	3,980.83	10.32	31.03	141.36	2,165.09	-7,839.33	8,601.49	8,564.29	37.20	231.203		
2,200.00	2,167.69	4,259.70	4,054.65	10.80	31.71	141.29	2,139.63	-7,829.27	8,594.35	8,556.09	38.26	224.629		
2,300.00	2,265.69	4,385.94	4,173.00	11.28	32.79	141.16	2,098.82	-7,812.97	8,587.14	8,547.47	39.67	216.472		
2,400.00	2,363.69	4,740.34	4,505.28	11.77	35.85	140.85	1,987.65	-7,760.02	8,578.49	8,535.83	42.66	201.109		
2,500.00	2,461.70	4,795.52	4,557.00	12.25	36.33	140.80	1,970.72	-7,750.89	8,568.42	8,524.88	43.54	196.774		
2,600.00	2,559.70	4,854.57	4,612.33	12.74	36.84	140.75	1,952.34	-7,741.55	8,558.90	8,514.43	44.46	192.486		
2,700.00	2,657.70	4,929.86	4,682.86	13.23	37.49	140.69	1,928.65	-7,729.99	8,549.73	8,504.23	45.51	187.883		
2,800.00	2,755.71	5,012.00	4,759.80	13.72	38.21	140.61	1,902.70	-7,717.57	8,540.77	8,494.17	46.60	183.280		
2,900.00	2,853.71	5,070.18	4,814.31	14.21	38.71	140.56	1,884.29	-7,708.98	8,532.17	8,484.65	47.53	179.519		
3,000.00	2,951.71	5,127.62	4,868.17	14.70	39.21	140.50	1,866.04	-7,700.85	8,524.12	8,475.66	48.45	175.924		
3,100.00	3,049.71	5,191.00	4,927.63	15.20	39.75	140.44	1,845.89	-7,692.17	8,516.51	8,467.09	49.42	172.316		
3,200.00	3,147.72	5,255.73	4,988.41	15.69	40.31	140.38	1,825.37	-7,683.55	8,509.33	8,458.93	50.40	168.821		
3,300.00	3,245.72	5,325.59	5,054.07	16.19	40.90	140.32	1,803.26	-7,674.51	8,502.55	8,451.12	51.43	165.339		
3,400.00	3,343.72	5,394.34	5,118.61	16.69	41.49	140.25	1,781.19	-7,665.95	8,496.11	8,443.67	52.44	162.010		
3,500.00	3,441.73	5,460.00	5,180.27	17.18	42.05	140.18	1,760.05	-7,658.08	8,490.10	8,436.66	53.44	158.872		
3,600.00	3,539.73	5,538.42	5,254.01	17.68	42.71	140.10	1,734.99	-7,648.88	8,484.43	8,429.89	54.53	155.591		
3,700.00	3,637.73	5,639.00	5,348.59	18.18	43.57	140.00	1,702.97	-7,636.85	8,478.62	8,422.83	55.78	151.991		
3,800.00	3,735.73	5,693.60	5,399.90	18.68	44.03	139.95	1,685.40	-7,630.51	8,473.17	8,416.47	56.70	149.426		
3,900.00	3,833.74	5,740.15	5,443.65	19.18	44.43	139.90	1,670.27	-7,625.62	8,468.52	8,410.95	57.57	147.107		
4,000.00	3,931.74	6,028.65	5,714.44	19.67	46.89	139.60	1,577.06	-7,590.98	8,461.72	8,401.49	60.23	140.490		
4,100.00	4,029.74	6,086.00	5,768.33	20.17	47.38	139.55	1,558.75	-7,583.93	8,455.56	8,394.39	61.18	138.219		
4,200.00	4,127.75	6,307.01	5,975.75	20.67	49.28	139.33	1,488.21	-7,554.98	8,448.71	8,385.40	63.31	133.441		
4,300.00	4,225.75	6,355.00	6,020.78	21.18	49.70	139.28	1,472.87	-7,548.66	8,441.70	8,377.51	64.20	131.499		
4,400.00	4,323.75	6,355.00	6,020.78	21.68	49.70	139.28	1,472.87	-7,548.66	8,435.44	8,370.72	64.73	130.323		
4,500.00	4,421.76	6,398.71	6,061.80	22.18	50.07	139.24	1,458.66	-7,543.53	8,429.99	8,364.41	65.58	128.541		
4,600.00	4,519.76	6,445.00	6,105.23	22.68	50.47	139.18	1,443.38	-7,538.76	8,425.46	8,359.01	66.46	126.783		
4,700.00	4,617.76	6,445.00	6,105.23	23.18	50.47	139.18	1,443.38	-7,538.76	8,421.70	8,354.73	66.97	125.751		
4,800.00	4,715.76	6,500.80	6,157.68	23.68	50.93	139.12	1,425.01	-7,533.66	8,418.65	8,350.73	67.91	123.961		
4,900.00	4,813.77	6,534.00	6,188.96	24.18	51.21	139.08	1,414.27	-7,530.84	8,416.38	8,347.70	68.68	122.548		
5,000.00	4,911.77	6,534.00	6,188.96	24.69	51.21	139.08	1,414.27	-7,530.84	8,415.14	8,345.96	69.18	121.648		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,054.78	4,965.45	6,534.00	6,188.96	24.96	51.21	139.08	1,414.27	-7,530.84	8,414.96	8,345.51	69.44	121.175		
5,100.00	5,009.77	6,534.00	6,188.96	25.19	51.21	139.08	1,414.27	-7,530.84	8,415.08	8,345.42	69.66	120.794		
5,200.00	5,107.78	6,573.66	6,226.41	25.69	51.52	139.04	1,401.46	-7,528.26	8,415.48	8,345.02	70.46	119.430		
5,300.00	5,205.78	6,624.00	6,273.97	26.19	51.92	138.98	1,385.05	-7,526.93	8,417.93	8,346.58	71.35	117.984		
5,400.00	5,303.78	6,624.00	6,273.97	26.70	51.92	138.98	1,385.05	-7,526.93	8,420.38	8,348.56	71.82	117.248		
5,500.00	5,401.78	6,624.00	6,273.97	27.20	51.92	138.98	1,385.05	-7,526.93	8,424.02	8,351.74	72.28	116.554		
5,600.00	5,499.79	6,624.00	6,273.97	27.70	51.92	138.98	1,385.05	-7,526.93	8,428.85	8,356.12	72.72	115.901		
5,700.00	5,597.79	6,624.00	6,273.97	28.21	51.92	138.98	1,385.05	-7,526.93	8,434.85	8,361.69	73.16	115.289		
5,800.00	5,695.79	6,624.00	6,273.97	28.71	51.92	138.98	1,385.05	-7,526.93	8,442.04	8,368.45	73.59	114.717		
5,900.00	5,793.80	6,624.00	6,273.97	29.22	51.92	138.98	1,385.05	-7,526.93	8,450.41	8,376.40	74.01	114.183		
6,000.00	5,891.80	6,624.00	6,273.97	29.72	51.92	138.98	1,385.05	-7,526.93	8,459.95	8,385.54	74.41	113.688		
6,100.00	5,989.80	6,624.00	6,273.97	30.22	51.92	138.98	1,385.05	-7,526.93	8,470.66	8,395.85	74.81	113.230		
6,200.00	6,087.80	6,670.43	6,317.83	30.73	52.24	138.92	1,369.88	-7,528.24	8,480.93	8,405.32	75.61	112.166		
6,300.00	6,185.81	6,714.00	6,358.83	31.23	52.54	138.85	1,355.74	-7,532.26	8,494.35	8,417.97	76.38	111.207		
6,400.00	6,283.81	6,714.00	6,358.83	31.74	52.54	138.85	1,355.74	-7,532.26	8,507.51	8,430.76	76.76	110.839		
6,500.00	6,381.81	6,714.00	6,358.83	32.24	52.54	138.85	1,355.74	-7,532.26	8,521.83	8,444.72	77.12	110.506		
6,520.79	6,402.19	6,714.00	6,358.83	32.35	52.54	138.85	1,355.74	-7,532.26	8,524.95	8,447.76	77.19	110.442		
6,550.00	6,430.87	6,714.00	6,358.83	32.49	52.54	126.37	1,355.74	-7,532.26	8,528.79	8,451.50	77.29	110.347		
6,600.00	6,480.12	6,714.00	6,358.83	32.72	52.54	100.93	1,355.74	-7,532.26	8,532.64	8,455.19	77.45	110.169		
6,650.00	6,529.30	6,714.00	6,358.83	32.93	52.54	77.82	1,355.74	-7,532.26	8,533.03	8,455.44	77.59	109.976		
6,700.00	6,578.09	6,714.00	6,358.83	33.12	52.54	61.97	1,355.74	-7,532.26	8,529.98	8,452.28	77.70	109.775		
6,750.00	6,626.21	6,714.00	6,358.83	33.30	52.54	52.03	1,355.74	-7,532.26	8,523.49	8,445.69	77.79	109.564		
6,800.00	6,673.34	6,714.00	6,358.83	33.46	52.54	45.73	1,355.74	-7,532.26	8,513.59	8,435.73	77.86	109.343		
6,850.00	6,719.21	6,714.00	6,358.83	33.61	52.54	41.64	1,355.74	-7,532.26	8,500.35	8,422.44	77.91	109.109		
6,900.00	6,763.53	6,714.00	6,358.83	33.75	52.54	38.95	1,355.74	-7,532.26	8,483.81	8,405.87	77.93	108.860		
6,950.00	6,806.03	6,714.00	6,358.83	33.89	52.54	37.23	1,355.74	-7,532.26	8,464.06	8,386.12	77.94	108.595		
7,000.00	6,846.44	6,714.00	6,358.83	34.02	52.54	36.22	1,355.74	-7,532.26	8,441.21	8,363.28	77.93	108.312		
7,050.00	6,884.52	6,714.00	6,358.83	34.15	52.54	35.79	1,355.74	-7,532.26	8,415.37	8,337.46	77.91	108.008		
7,100.00	6,920.03	6,714.00	6,358.83	34.27	52.54	35.86	1,355.74	-7,532.26	8,386.68	8,308.79	77.88	107.681		
7,150.00	6,952.75	6,714.00	6,358.83	34.40	52.54	36.41	1,355.74	-7,532.26	8,355.27	8,277.42	77.85	107.329		
7,200.00	6,982.48	6,714.00	6,358.83	34.54	52.54	37.45	1,355.74	-7,532.26	8,321.32	8,243.52	77.81	106.949		
7,250.00	7,009.04	6,714.00	6,358.83	34.70	52.54	39.01	1,355.74	-7,532.26	8,285.01	8,207.24	77.76	106.539		
7,300.00	7,032.26	6,714.00	6,358.83	34.87	52.54	41.19	1,355.74	-7,532.26	8,246.52	8,168.79	77.73	106.098		
7,350.00	7,052.00	6,714.00	6,358.83	35.08	52.54	44.12	1,355.74	-7,532.26	8,206.07	8,128.38	77.69	105.624		
7,400.00	7,068.14	6,754.50	6,396.75	35.34	52.77	48.21	1,342.84	-7,538.31	8,162.70	8,084.64	78.06	104.576		
7,450.00	7,080.57	6,756.31	6,398.43	35.65	52.78	53.34	1,342.28	-7,538.63	8,118.89	8,040.83	78.06	104.011		
7,500.00	7,089.23	6,757.83	6,399.85	36.01	52.79	60.03	1,341.80	-7,538.91	8,073.84	7,995.77	78.07	103.416		
7,550.00	7,094.06	6,759.05	6,400.99	36.44	52.80	68.60	1,341.42	-7,539.13	8,027.81	7,949.72	78.10	102.794		
7,601.12	7,095.00	6,759.98	6,401.85	36.93	52.80	79.51	1,341.13	-7,539.30	7,980.02	7,901.88	78.14	102.131		
7,700.00	7,092.92	6,761.46	6,403.23	38.05	52.81	79.54	1,340.67	-7,539.57	7,887.10	7,808.86	78.24	100.807		
7,800.00	7,090.81	6,762.99	6,404.66	39.40	52.82	79.57	1,340.19	-7,539.85	7,793.28	7,714.90	78.38	99.432		
7,900.00	7,088.70	6,803.00	6,441.77	40.93	53.04	80.30	1,327.93	-7,548.37	7,700.68	7,621.76	78.93	97.568		
8,000.00	7,086.59	6,803.00	6,441.77	42.61	53.04	80.30	1,327.93	-7,548.37	7,607.09	7,527.96	79.12	96.142		
8,100.00	7,084.49	6,803.00	6,441.77	44.41	53.04	80.30	1,327.93	-7,548.37	7,513.66	7,434.30	79.36	94.679		
8,200.00	7,082.38	6,803.00	6,441.77	46.33	53.04	80.30	1,327.93	-7,548.37	7,420.39	7,340.76	79.64	93.179		
8,300.00	7,080.27	6,803.00	6,441.77	48.34	53.04	80.30	1,327.93	-7,548.37	7,327.31	7,247.36	79.95	91.643		
8,400.00	7,078.16	6,803.00	6,441.77	50.43	53.04	80.30	1,327.93	-7,548.37	7,234.41	7,154.10	80.32	90.073		
8,500.00	7,076.05	6,803.00	6,441.77	52.59	53.04	80.30	1,327.93	-7,548.37	7,141.71	7,060.98	80.72	88.470		
8,600.00	7,073.94	6,803.00	6,441.77	54.82	53.04	80.30	1,327.93	-7,548.37	7,049.20	6,968.02	81.18	86.835		
8,700.00	7,071.84	6,803.00	6,441.77	57.10	53.04	80.30	1,327.93	-7,548.37	6,956.90	6,875.22	81.68	85.171		
8,800.00	7,069.73	6,803.00	6,441.77	59.44	53.04	80.30	1,327.93	-7,548.37	6,864.82	6,782.58	82.23	83.480		
8,900.00	7,067.62	6,803.00	6,441.77	61.81	53.04	80.30	1,327.93	-7,548.37	6,772.96	6,690.12	82.84	81.764		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	6,803.00	6,441.77	64.23	53.04	80.30	1,327.93	-7,548.37	6,681.33	6,597.84	83.49	80.025		
9,100.00	7,063.40	6,803.00	6,441.77	66.68	53.04	80.30	1,327.93	-7,548.37	6,589.95	6,505.75	84.20	78.267		
9,200.00	7,061.29	6,803.00	6,441.77	69.15	53.04	80.30	1,327.93	-7,548.37	6,498.82	6,413.86	84.96	76.492		
9,300.00	7,059.18	6,803.00	6,441.77	71.66	53.04	80.30	1,327.93	-7,548.37	6,407.95	6,322.18	85.78	74.703		
9,400.00	7,057.08	6,803.00	6,441.77	74.19	53.04	80.30	1,327.93	-7,548.37	6,317.37	6,230.71	86.65	72.904		
9,500.00	7,054.97	6,803.00	6,441.77	76.75	53.04	80.30	1,327.93	-7,548.37	6,227.07	6,139.48	87.59	71.096		
9,600.00	7,052.86	6,803.00	6,441.77	79.32	53.04	80.30	1,327.93	-7,548.37	6,137.07	6,048.49	88.58	69.283		
9,700.00	7,050.75	6,803.00	6,441.77	81.91	53.04	80.30	1,327.93	-7,548.37	6,047.38	5,957.75	89.63	67.469		
9,800.00	7,048.64	6,803.00	6,441.77	84.52	53.04	80.30	1,327.93	-7,548.37	5,958.03	5,867.28	90.75	65.655		
9,900.00	7,046.53	6,803.00	6,441.77	87.14	53.04	80.30	1,327.93	-7,548.37	5,869.01	5,777.09	91.92	63.846		
10,000.00	7,044.43	6,803.00	6,441.77	89.78	53.04	80.30	1,327.93	-7,548.37	5,780.36	5,687.19	93.17	62.043		
10,100.00	7,042.32	6,803.00	6,441.77	92.43	53.04	80.30	1,327.93	-7,548.37	5,692.08	5,597.61	94.47	60.250		
10,200.00	7,040.21	6,803.00	6,441.77	95.09	53.04	80.30	1,327.93	-7,548.37	5,604.20	5,508.35	95.85	58.469		
10,300.00	7,038.10	6,803.00	6,441.77	97.76	53.04	80.30	1,327.93	-7,548.37	5,516.73	5,419.43	97.29	56.703		
10,400.00	7,035.99	6,803.00	6,441.77	100.44	53.04	80.30	1,327.93	-7,548.37	5,429.69	5,330.88	98.81	54.953		
10,500.00	7,033.88	6,803.00	6,441.77	103.13	53.04	80.30	1,327.93	-7,548.37	5,343.10	5,242.71	100.39	53.223		
10,600.00	7,031.78	6,803.00	6,441.77	105.82	53.04	80.30	1,327.93	-7,548.37	5,256.99	5,154.95	102.05	51.515		
10,700.00	7,029.67	6,803.00	6,441.77	108.53	53.04	80.30	1,327.93	-7,548.37	5,171.39	5,067.60	103.78	49.830		
10,800.00	7,027.56	6,803.00	6,441.77	111.24	53.04	80.30	1,327.93	-7,548.37	5,086.30	4,980.71	105.59	48.170		
10,900.00	7,025.45	6,843.32	6,478.76	113.96	53.22	81.04	1,315.84	-7,558.91	5,000.76	4,893.03	107.73	46.420		
11,000.00	7,023.34	6,847.78	6,482.82	116.68	53.24	81.13	1,314.52	-7,560.19	4,916.57	4,806.86	109.72	44.811		
11,100.00	7,021.23	6,852.41	6,487.03	119.41	53.26	81.21	1,313.14	-7,561.54	4,832.96	4,721.18	111.79	43.233		
11,200.00	7,019.13	6,892.00	6,522.72	122.15	53.44	81.94	1,301.46	-7,574.09	4,750.71	4,636.59	114.12	41.629		
11,300.00	7,017.02	6,892.00	6,522.72	124.89	53.44	81.94	1,301.46	-7,574.09	4,668.14	4,551.81	116.33	40.129		
11,400.00	7,014.91	6,892.00	6,522.72	127.63	53.44	81.94	1,301.46	-7,574.09	4,586.27	4,467.64	118.63	38.662		
11,500.00	7,012.80	6,892.00	6,522.72	130.38	53.44	81.94	1,301.46	-7,574.09	4,505.13	4,384.11	121.01	37.228		
11,600.00	7,010.69	6,892.00	6,522.72	133.14	53.44	81.94	1,301.46	-7,574.09	4,424.76	4,301.26	123.50	35.829		
11,700.00	7,008.58	6,892.00	6,522.72	135.89	53.44	81.94	1,301.46	-7,574.09	4,345.20	4,219.13	126.07	34.466		
11,800.00	7,006.47	6,892.00	6,522.72	138.65	53.44	81.94	1,301.46	-7,574.09	4,266.51	4,137.76	128.75	33.138		
11,900.00	7,004.37	6,892.00	6,522.72	141.42	53.44	81.94	1,301.46	-7,574.09	4,188.72	4,057.20	131.53	31.847		
12,000.00	7,002.26	6,892.00	6,522.72	144.19	53.44	81.94	1,301.46	-7,574.09	4,111.90	3,977.49	134.41	30.593		
12,100.00	7,000.15	6,892.00	6,522.72	146.96	53.44	81.94	1,301.46	-7,574.09	4,036.09	3,898.70	137.39	29.376		
12,200.00	6,998.04	6,892.00	6,522.72	149.73	53.44	81.94	1,301.46	-7,574.09	3,961.35	3,820.87	140.48	28.198		
12,300.00	6,995.93	6,892.00	6,522.72	152.51	53.44	81.94	1,301.46	-7,574.09	3,887.75	3,744.07	143.68	27.058		
12,400.00	6,993.82	6,927.23	6,553.90	155.28	53.56	82.59	1,291.20	-7,586.88	3,814.49	3,667.40	147.09	25.934		
12,500.00	6,991.72	6,934.47	6,560.21	158.06	53.59	82.72	1,289.11	-7,589.72	3,742.98	3,592.46	150.52	24.867		
12,600.00	6,989.61	6,942.09	6,566.84	160.85	53.61	82.86	1,286.92	-7,592.79	3,672.72	3,518.66	154.06	23.839		
12,700.00	6,987.50	6,982.00	6,600.94	163.63	53.76	83.57	1,275.55	-7,610.11	3,604.47	3,446.74	157.73	22.852		
12,800.00	6,985.39	6,982.00	6,600.94	166.42	53.76	83.57	1,275.55	-7,610.11	3,536.60	3,375.12	161.48	21.901		
12,900.00	6,983.28	6,982.00	6,600.94	169.21	53.76	83.57	1,275.55	-7,610.11	3,470.28	3,304.93	165.35	20.988		
13,000.00	6,981.17	6,982.00	6,600.94	172.00	53.76	83.57	1,275.55	-7,610.11	3,405.60	3,236.27	169.33	20.112		
13,100.00	6,979.07	6,982.00	6,600.94	174.79	53.76	83.57	1,275.55	-7,610.11	3,342.67	3,169.25	173.42	19.275		
13,200.00	6,976.96	6,982.00	6,600.94	177.59	53.76	83.57	1,275.55	-7,610.11	3,281.58	3,103.95	177.62	18.475		
13,300.00	6,974.85	6,982.00	6,600.94	180.38	53.76	83.57	1,275.55	-7,610.11	3,222.43	3,040.50	181.93	17.713		
13,400.00	6,972.74	6,982.00	6,600.94	183.18	53.76	83.57	1,275.55	-7,610.11	3,165.34	2,979.01	186.33	16.987		
13,500.00	6,970.63	7,022.03	6,633.98	185.98	53.85	84.28	1,264.56	-7,629.84	3,109.11	2,918.32	190.79	16.296		
13,600.00	6,968.52	7,032.51	6,642.40	188.78	53.88	84.46	1,261.78	-7,635.43	3,055.73	2,860.38	195.35	15.642		
13,700.00	6,966.41	7,071.00	6,672.42	191.58	53.98	85.11	1,252.00	-7,657.42	3,005.13	2,805.24	199.89	15.034		
13,800.00	6,964.31	7,071.00	6,672.42	194.39	53.98	85.11	1,252.00	-7,657.42	2,955.81	2,751.18	204.63	14.445		
13,900.00	6,962.20	7,071.00	6,672.42	197.19	53.98	85.11	1,252.00	-7,657.42	2,909.10	2,699.67	209.43	13.891		
14,000.00	6,960.09	7,071.00	6,672.42	200.00	53.98	85.11	1,252.00	-7,657.42	2,865.11	2,650.85	214.27	13.372		
14,100.00	6,957.98	7,071.00	6,672.42	202.80	53.98	85.11	1,252.00	-7,657.42	2,823.99	2,604.85	219.14	12.887		

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

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 20-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,955.87	7,109.63	6,701.13	205.61	54.03	85.74	1,242.96	-7,681.62	2,784.70	2,560.83	223.87	12.439	
14,300.00	6,953.76	7,125.09	6,712.22	208.42	54.05	85.99	1,239.61	-7,691.86	2,748.61	2,519.92	228.68	12.019	
14,400.00	6,951.66	7,161.00	6,737.02	211.23	54.09	86.54	1,232.44	-7,716.81	2,715.61	2,482.25	233.35	11.637	
14,500.00	6,949.55	7,161.00	6,737.02	214.04	54.09	86.54	1,232.44	-7,716.81	2,684.93	2,446.75	238.18	11.273	
14,600.00	6,947.44	7,161.00	6,737.02	216.85	54.09	86.54	1,232.44	-7,716.81	2,657.67	2,414.74	242.93	10.940	
14,700.00	6,945.33	7,200.08	6,762.51	219.66	54.10	87.11	1,225.57	-7,745.62	2,632.93	2,385.49	247.44	10.641	
14,800.00	6,943.22	7,250.00	6,792.75	222.48	54.12	87.80	1,218.20	-7,784.64	2,611.85	2,360.09	251.77	10.374	
14,900.00	6,941.11	7,250.00	6,792.75	225.29	54.12	87.80	1,218.20	-7,784.64	2,592.82	2,336.60	256.22	10.120	
15,000.00	6,939.01	7,250.00	6,792.75	228.11	54.12	87.80	1,218.20	-7,784.64	2,577.53	2,317.04	260.49	9.895	
15,100.00	6,936.90	7,292.91	6,816.53	230.92	54.09	88.35	1,213.29	-7,820.00	2,564.81	2,300.29	264.52	9.696	
15,200.00	6,934.79	7,340.00	6,840.15	233.74	54.06	88.90	1,209.63	-7,860.56	2,555.74	2,287.36	268.38	9.523	
15,300.00	6,932.68	7,340.00	6,840.15	236.56	54.06	88.90	1,209.63	-7,860.56	2,549.07	2,276.96	272.11	9.368	
15,400.00	6,930.57	7,379.03	6,857.59	239.37	54.00	89.31	1,207.78	-7,895.42	2,545.55	2,269.85	275.70	9.233	
15,500.00	6,928.46	7,429.00	6,876.89	242.19	53.94	89.76	1,206.64	-7,941.49	2,544.81	2,265.67	279.14	9.117	
15,500.57	6,928.45	7,429.00	6,876.89	242.21	53.94	89.76	1,206.64	-7,941.49	2,544.81	2,265.65	279.16	9.116 CC	
15,521.99	6,928.00	7,429.00	6,876.89	242.81	53.94	89.76	1,206.64	-7,941.49	2,544.90	2,265.06	279.83	9.094 ES, SF	

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-85.85	538.47	-7,429.95	7,449.45					
100.00	100.00	87.00	87.00	3.28	3.61	-85.85	538.47	-7,429.95	7,449.44	7,442.54	6.90	1,079.756		
200.00	200.00	187.00	187.00	3.34	5.80	-85.85	538.47	-7,429.95	7,449.44	7,440.30	9.14	815.361		
300.00	299.98	286.98	286.98	3.44	8.90	127.51	538.47	-7,429.95	7,450.50	7,438.16	12.34	603.793		
400.00	399.84	386.84	386.84	3.59	12.21	127.49	538.47	-7,429.95	7,453.69	7,437.89	15.80	471.781		
500.00	499.45	486.45	486.45	3.79	15.59	127.46	538.47	-7,429.95	7,459.01	7,439.63	19.38	384.951		
600.00	598.70	585.70	585.70	4.04	18.99	127.41	538.47	-7,429.95	7,466.45	7,443.43	23.02	324.324		
700.00	697.47	684.47	684.47	4.32	22.39	127.36	538.47	-7,429.95	7,476.02	7,449.32	26.71	279.901		
773.50	769.68	756.68	756.68	4.55	24.89	127.30	538.47	-7,429.95	7,484.42	7,454.98	29.44	254.239		
800.00	795.65	782.65	782.65	4.64	25.79	127.34	538.47	-7,429.95	7,487.65	7,457.23	30.43	246.094		
900.00	893.65	880.65	880.65	5.00	29.18	127.45	538.47	-7,429.95	7,499.89	7,465.72	34.17	219.497		
1,000.00	991.65	978.65	978.65	5.38	32.58	127.57	538.47	-7,429.95	7,512.15	7,474.21	37.94	198.004		
1,100.00	1,089.66	1,076.66	1,076.66	5.78	35.99	127.69	538.47	-7,429.95	7,524.44	7,482.71	41.73	180.302		
1,200.00	1,187.66	1,174.66	1,174.66	6.20	39.40	127.81	538.47	-7,429.95	7,536.77	7,491.23	45.54	165.485		
1,300.00	1,285.66	1,272.66	1,272.66	6.63	42.81	127.93	538.47	-7,429.95	7,549.13	7,499.76	49.37	152.913		
1,400.00	1,383.67	1,370.67	1,370.67	7.07	46.22	128.05	538.47	-7,429.95	7,561.52	7,508.32	53.21	142.118		
1,500.00	1,481.67	1,468.67	1,468.67	7.51	49.63	128.16	538.47	-7,429.95	7,573.95	7,516.90	57.05	132.754		
1,600.00	1,579.67	1,566.67	1,566.67	7.97	53.05	128.28	538.47	-7,429.95	7,586.40	7,525.50	60.91	124.557		
1,700.00	1,677.67	1,664.67	1,664.67	8.43	56.46	128.40	538.47	-7,429.95	7,598.89	7,534.12	64.77	117.325		
1,800.00	1,775.68	1,762.68	1,762.68	8.90	59.88	128.51	538.47	-7,429.95	7,611.41	7,542.78	68.63	110.897		
1,900.00	1,873.68	1,860.68	1,860.68	9.37	63.30	128.63	538.47	-7,429.95	7,623.96	7,551.46	72.51	105.149		
2,000.00	1,971.68	1,958.68	1,958.68	9.84	66.71	128.74	538.47	-7,429.95	7,636.54	7,560.16	76.38	99.979		
2,100.00	2,069.69	2,056.69	2,056.69	10.32	70.13	128.86	538.47	-7,429.95	7,649.16	7,568.90	80.26	95.304		
2,200.00	2,167.69	2,154.69	2,154.69	10.80	73.55	128.97	538.47	-7,429.95	7,661.80	7,577.66	84.14	91.058		
2,300.00	2,265.69	2,252.69	2,252.69	11.28	76.97	129.09	538.47	-7,429.95	7,674.47	7,586.45	88.03	87.184		
2,400.00	2,363.69	2,350.69	2,350.69	11.77	80.38	129.20	538.47	-7,429.95	7,687.18	7,595.26	91.91	83.635		
2,500.00	2,461.70	2,448.70	2,448.70	12.25	83.80	129.31	538.47	-7,429.95	7,699.91	7,604.11	95.80	80.374		
2,600.00	2,559.70	2,546.70	2,546.70	12.74	87.22	129.43	538.47	-7,429.95	7,712.68	7,612.99	99.69	77.365		
2,700.00	2,657.70	2,644.70	2,644.70	13.23	90.64	129.54	538.47	-7,429.95	7,725.47	7,621.89	103.58	74.582		
2,800.00	2,755.71	2,742.71	2,742.71	13.72	94.06	129.65	538.47	-7,429.95	7,738.30	7,630.82	107.48	72.000		
2,900.00	2,853.71	2,840.71	2,840.71	14.21	97.48	129.76	538.47	-7,429.95	7,751.15	7,639.78	111.37	69.598		
3,000.00	2,951.71	2,938.71	2,938.71	14.70	100.90	129.87	538.47	-7,429.95	7,764.04	7,648.77	115.27	67.358		
3,100.00	3,049.71	3,036.71	3,036.71	15.20	104.32	129.98	538.47	-7,429.95	7,776.95	7,657.79	119.16	65.264		
3,200.00	3,147.72	3,134.72	3,134.72	15.69	107.74	130.10	538.47	-7,429.95	7,789.90	7,666.84	123.06	63.302		
3,300.00	3,245.72	3,232.72	3,232.72	16.19	111.16	130.21	538.47	-7,429.95	7,802.87	7,675.91	126.96	61.461		
3,400.00	3,343.72	3,330.72	3,330.72	16.69	114.58	130.32	538.47	-7,429.95	7,815.87	7,685.02	130.86	59.729		
3,500.00	3,441.73	3,428.73	3,428.73	17.18	118.00	130.43	538.47	-7,429.95	7,828.90	7,694.15	134.75	58.098		
3,600.00	3,539.73	3,526.73	3,526.73	17.68	121.42	130.53	538.47	-7,429.95	7,841.96	7,703.31	138.65	56.558		
3,700.00	3,637.73	3,624.73	3,624.73	18.18	124.84	130.64	538.47	-7,429.95	7,855.05	7,712.50	142.55	55.102		
3,800.00	3,735.73	3,722.73	3,722.73	18.68	128.26	130.75	538.47	-7,429.95	7,868.17	7,721.71	146.45	53.724		
3,900.00	3,833.74	3,820.74	3,820.74	19.18	131.68	130.86	538.47	-7,429.95	7,881.31	7,730.96	150.35	52.418		
4,000.00	3,931.74	3,918.74	3,918.74	19.67	135.10	130.97	538.47	-7,429.95	7,894.48	7,740.23	154.26	51.178		
4,100.00	4,029.74	4,016.74	4,016.74	20.17	138.52	131.08	538.47	-7,429.95	7,907.69	7,749.53	158.16	49.999		
4,200.00	4,127.75	4,114.75	4,114.75	20.67	141.94	131.18	538.47	-7,429.95	7,920.91	7,758.86	162.06	48.877		
4,300.00	4,225.75	4,212.75	4,212.75	21.18	145.36	131.29	538.47	-7,429.95	7,934.17	7,768.21	165.96	47.807		
4,400.00	4,323.75	4,310.75	4,310.75	21.68	148.78	131.40	538.47	-7,429.95	7,947.46	7,777.59	169.86	46.787		
4,500.00	4,421.76	4,408.76	4,408.76	22.18	152.20	131.50	538.47	-7,429.95	7,960.77	7,787.00	173.77	45.813		
4,600.00	4,519.76	4,506.76	4,506.76	22.68	155.62	131.61	538.47	-7,429.95	7,974.11	7,796.44	177.67	44.882		
4,700.00	4,617.76	4,604.76	4,604.76	23.18	159.04	131.71	538.47	-7,429.95	7,987.47	7,805.90	181.57	43.991		
4,800.00	4,715.76	4,702.76	4,702.76	23.68	162.46	131.82	538.47	-7,429.95	8,000.87	7,815.39	185.47	43.138		
4,900.00	4,813.77	4,800.77	4,800.77	24.18	165.88	131.92	538.47	-7,429.95	8,014.29	7,824.91	189.38	42.319		
5,000.00	4,911.77	4,901.23	4,898.77	24.69	169.39	132.03	538.47	-7,429.95	8,027.74	7,834.37	193.37	41.516		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,003.23	4,996.77	25.19	172.95	132.13	538.47	-7,429.95	8,041.21	7,843.80	197.41	40.734		
5,200.00	5,107.78	5,105.22	5,094.78	25.69	176.51	132.24	538.47	-7,429.95	8,054.71	7,853.26	201.45	39.984		
5,300.00	5,205.78	5,207.22	5,192.78	26.19	180.07	132.34	538.47	-7,429.95	8,068.24	7,862.75	205.49	39.263		
5,400.00	5,303.78	5,309.22	5,290.78	26.70	183.63	132.44	538.47	-7,429.95	8,081.79	7,872.26	209.54	38.570		
5,500.00	5,401.78	5,388.78	5,388.78	27.20	186.41	132.55	538.47	-7,429.95	8,095.37	7,882.58	212.80	38.043		
5,600.00	5,499.79	5,486.79	5,486.79	27.70	189.83	132.65	538.47	-7,429.95	8,108.98	7,892.28	216.70	37.420		
5,700.00	5,597.79	5,584.79	5,584.79	28.21	193.25	132.75	538.47	-7,429.95	8,122.61	7,902.01	220.60	36.820		
5,800.00	5,695.79	5,682.79	5,682.79	28.71	196.67	132.85	538.47	-7,429.95	8,136.27	7,911.76	224.51	36.241		
5,900.00	5,793.80	5,780.80	5,780.80	29.22	200.09	132.95	538.47	-7,429.95	8,149.95	7,921.54	228.41	35.681		
6,000.00	5,891.80	5,878.80	5,878.80	29.72	203.51	133.05	538.47	-7,429.95	8,163.66	7,931.35	232.31	35.141		
6,100.00	5,989.80	5,976.80	5,976.80	30.22	206.93	133.15	538.47	-7,429.95	8,177.39	7,941.18	236.22	34.618		
6,200.00	6,087.80	6,074.80	6,074.80	30.73	210.35	133.26	538.47	-7,429.95	8,191.15	7,951.03	240.12	34.113		
6,300.00	6,185.81	6,172.81	6,172.81	31.23	213.77	133.36	538.47	-7,429.95	8,204.94	7,960.91	244.02	33.624		
6,400.00	6,283.81	6,270.81	6,270.81	31.74	217.19	133.46	538.47	-7,429.95	8,218.75	7,970.82	247.93	33.150		
6,500.00	6,381.81	6,368.81	6,368.81	32.24	220.61	133.55	538.47	-7,429.95	8,232.58	7,980.75	251.83	32.691		
6,520.79	6,402.19	6,389.19	6,389.19	32.35	221.33	133.58	538.47	-7,429.95	8,235.46	7,982.82	252.64	32.597		
6,550.00	6,430.87	6,417.87	6,417.87	32.49	222.33	121.16	538.47	-7,429.95	8,238.86	7,985.07	253.78	32.464		
6,600.00	6,480.12	6,467.12	6,467.12	32.72	224.05	95.83	538.47	-7,429.95	8,241.65	7,985.92	255.73	32.228		
6,650.00	6,529.30	6,516.30	6,516.30	32.93	225.76	72.81	538.47	-7,429.95	8,240.62	7,982.96	257.66	31.982		
6,700.00	6,578.09	6,565.09	6,565.09	33.12	227.47	57.04	538.47	-7,429.95	8,235.77	7,976.22	259.56	31.730		
6,750.00	6,626.21	6,613.21	6,613.21	33.30	229.15	47.16	538.47	-7,429.95	8,227.14	7,965.73	261.41	31.472		
6,800.00	6,673.34	6,660.34	6,660.34	33.46	230.79	40.93	538.47	-7,429.95	8,214.78	7,951.58	263.21	31.210		
6,850.00	6,719.21	6,706.21	6,706.21	33.61	232.39	36.88	538.47	-7,429.95	8,198.78	7,933.84	264.94	30.946		
6,900.00	6,763.53	6,750.53	6,750.53	33.75	233.94	34.24	538.47	-7,429.95	8,179.22	7,912.62	266.61	30.679		
6,950.00	6,806.03	6,806.97	6,793.03	33.89	235.91	32.56	538.47	-7,429.95	8,156.24	7,887.57	268.68	30.357		
7,000.00	6,846.44	6,833.44	6,833.44	34.02	236.83	31.60	538.47	-7,429.95	8,129.99	7,860.30	269.69	30.146		
7,050.00	6,884.52	6,871.52	6,871.52	34.15	238.16	31.23	538.47	-7,429.95	8,100.61	7,829.52	271.09	29.882		
7,100.00	6,920.03	6,907.03	6,907.03	34.27	239.40	31.39	538.47	-7,429.95	8,068.30	7,795.91	272.39	29.620		
7,150.00	6,952.75	6,939.75	6,939.75	34.40	240.54	32.06	538.47	-7,429.95	8,033.25	7,759.67	273.58	29.363		
7,200.00	6,982.48	6,969.48	6,969.48	34.54	241.58	33.28	538.47	-7,429.95	7,995.69	7,721.03	274.66	29.111		
7,250.00	7,009.04	7,003.96	6,996.04	34.70	242.79	35.15	538.47	-7,429.95	7,955.85	7,679.94	275.91	28.835		
7,300.00	7,032.26	7,019.26	7,019.26	34.87	243.32	37.82	538.47	-7,429.95	7,913.97	7,637.49	276.47	28.625		
7,350.00	7,052.00	7,039.00	7,039.00	35.08	244.01	41.55	538.47	-7,429.95	7,870.30	7,593.11	277.19	28.393		
7,400.00	7,068.14	7,055.14	7,055.14	35.34	244.57	46.73	538.47	-7,429.95	7,825.12	7,547.34	277.79	28.169		
7,450.00	7,080.57	7,067.57	7,067.57	35.65	245.01	53.96	538.47	-7,429.95	7,778.71	7,500.46	278.26	27.955		
7,500.00	7,089.23	7,076.23	7,076.23	36.01	245.31	64.04	538.47	-7,429.95	7,731.35	7,452.76	278.59	27.751		
7,550.00	7,094.06	7,081.06	7,081.06	36.44	245.48	77.64	538.47	-7,429.95	7,683.33	7,404.52	278.80	27.558		
7,601.12	7,095.00	7,082.00	7,082.00	36.93	245.51	94.79	538.47	-7,429.95	7,633.86	7,354.97	278.89	27.373		
7,700.00	7,092.92	7,079.92	7,079.92	38.05	245.44	94.72	538.47	-7,429.95	7,538.03	7,259.10	278.92	27.025		
7,800.00	7,090.81	7,077.81	7,077.81	39.40	245.36	94.66	538.47	-7,429.95	7,441.19	7,162.21	278.98	26.673		
7,900.00	7,088.70	7,075.70	7,075.70	40.93	245.29	94.59	538.47	-7,429.95	7,344.45	7,065.38	279.06	26.318		
8,000.00	7,086.59	7,073.59	7,073.59	42.61	245.22	94.53	538.47	-7,429.95	7,247.79	6,968.62	279.17	25.962		
8,100.00	7,084.49	7,071.49	7,071.49	44.41	245.14	94.47	538.47	-7,429.95	7,151.22	6,871.92	279.30	25.604		
8,200.00	7,082.38	7,069.38	7,069.38	46.33	245.07	94.40	538.47	-7,429.95	7,054.75	6,775.29	279.45	25.245		
8,300.00	7,080.27	7,067.27	7,067.27	48.34	245.00	94.34	538.47	-7,429.95	6,958.37	6,678.74	279.63	24.884		
8,400.00	7,078.16	7,065.16	7,065.16	50.43	244.92	94.27	538.47	-7,429.95	6,862.10	6,582.26	279.84	24.521		
8,500.00	7,076.05	7,063.05	7,063.05	52.59	244.85	94.21	538.47	-7,429.95	6,765.94	6,485.85	280.08	24.157		
8,600.00	7,073.94	7,060.94	7,060.94	54.82	244.77	94.14	538.47	-7,429.95	6,669.88	6,389.53	280.36	23.791		
8,700.00	7,071.84	7,058.84	7,058.84	57.10	244.70	94.08	538.47	-7,429.95	6,573.95	6,293.28	280.66	23.423		
8,800.00	7,069.73	7,056.73	7,056.73	59.44	244.63	94.01	538.47	-7,429.95	6,478.14	6,197.13	281.01	23.053		
8,900.00	7,067.62	7,054.62	7,054.62	61.81	244.55	93.95	538.47	-7,429.95	6,382.45	6,101.07	281.39	22.682		
9,000.00	7,065.51	7,052.51	7,052.51	64.23	244.48	93.89	538.47	-7,429.95	6,286.90	6,005.10	281.80	22.310		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	7,050.40	7,050.40	66.68	244.41	93.82	538.47	-7,429.95	6,191.49	5,909.23	282.26	21.935		
9,200.00	7,061.29	7,048.29	7,048.29	69.15	244.33	93.76	538.47	-7,429.95	6,096.23	5,813.46	282.76	21.560		
9,300.00	7,059.18	7,046.18	7,046.18	71.66	244.26	93.69	538.47	-7,429.95	6,001.11	5,717.81	283.31	21.182		
9,400.00	7,057.08	7,044.08	7,044.08	74.19	244.19	93.63	538.47	-7,429.95	5,906.16	5,622.27	283.90	20.804		
9,500.00	7,054.97	7,041.97	7,041.97	76.75	244.11	93.56	538.47	-7,429.95	5,811.38	5,526.84	284.54	20.424		
9,600.00	7,052.86	7,039.86	7,039.86	79.32	244.04	93.50	538.47	-7,429.95	5,716.78	5,431.55	285.23	20.043		
9,700.00	7,050.75	7,037.75	7,037.75	81.91	243.96	93.43	538.47	-7,429.95	5,622.36	5,336.39	285.97	19.661		
9,800.00	7,048.64	7,035.64	7,035.64	84.52	243.89	93.37	538.47	-7,429.95	5,528.13	5,241.37	286.76	19.278		
9,900.00	7,046.53	7,033.53	7,033.53	87.14	243.82	93.30	538.47	-7,429.95	5,434.11	5,146.50	287.62	18.893		
10,000.00	7,044.43	7,031.43	7,031.43	89.78	243.74	93.24	538.47	-7,429.95	5,340.31	5,051.78	288.53	18.509		
10,100.00	7,042.32	7,029.32	7,029.32	92.43	243.67	93.18	538.47	-7,429.95	5,246.74	4,957.23	289.51	18.123		
10,200.00	7,040.21	7,027.21	7,027.21	95.09	243.60	93.11	538.47	-7,429.95	5,153.41	4,862.86	290.55	17.737		
10,300.00	7,038.10	7,025.10	7,025.10	97.76	243.52	93.05	538.47	-7,429.95	5,060.33	4,768.67	291.65	17.350		
10,400.00	7,035.99	7,022.99	7,022.99	100.44	243.45	92.98	538.47	-7,429.95	4,967.52	4,674.69	292.83	16.964		
10,500.00	7,033.88	7,020.88	7,020.88	103.13	243.38	92.92	538.47	-7,429.95	4,874.99	4,580.91	294.08	16.577		
10,600.00	7,031.78	7,018.78	7,018.78	105.82	243.30	92.85	538.47	-7,429.95	4,782.76	4,487.36	295.41	16.190		
10,700.00	7,029.67	7,016.67	7,016.67	108.53	243.23	92.79	538.47	-7,429.95	4,690.85	4,394.04	296.81	15.804		
10,800.00	7,027.56	7,014.56	7,014.56	111.24	243.16	92.72	538.47	-7,429.95	4,599.28	4,300.98	298.30	15.418		
10,900.00	7,025.45	7,012.45	7,012.45	113.96	243.08	92.66	538.47	-7,429.95	4,508.06	4,208.18	299.88	15.033		
11,000.00	7,023.34	7,010.34	7,010.34	116.68	243.01	92.59	538.47	-7,429.95	4,417.23	4,115.68	301.54	14.649		
11,100.00	7,021.23	7,008.23	7,008.23	119.41	242.93	92.53	538.47	-7,429.95	4,326.79	4,023.49	303.31	14.265		
11,200.00	7,019.13	7,006.13	7,006.13	122.15	242.86	92.46	538.47	-7,429.95	4,236.79	3,931.62	305.17	13.884		
11,300.00	7,017.02	7,004.02	7,004.02	124.89	242.79	92.40	538.47	-7,429.95	4,147.24	3,840.11	307.13	13.503		
11,400.00	7,014.91	7,001.91	7,001.91	127.63	242.71	92.33	538.47	-7,429.95	4,058.18	3,748.98	309.20	13.125		
11,500.00	7,012.80	7,000.20	6,999.80	130.38	242.65	92.27	538.47	-7,429.95	3,969.64	3,658.23	311.40	12.748		
11,600.00	7,010.69	7,002.31	6,997.69	133.14	242.73	92.21	538.47	-7,429.95	3,881.65	3,567.80	313.85	12.368		
11,700.00	7,008.58	7,004.42	6,995.58	135.89	242.80	92.14	538.47	-7,429.95	3,794.26	3,477.83	316.43	11.991		
11,800.00	7,006.47	7,006.53	6,993.47	138.65	242.87	92.08	538.47	-7,429.95	3,707.50	3,388.37	319.14	11.617		
11,900.00	7,004.37	7,008.63	6,991.37	141.42	242.95	92.01	538.47	-7,429.95	3,621.43	3,299.45	321.98	11.247		
12,000.00	7,002.26	6,989.26	6,989.26	144.19	242.27	91.95	538.47	-7,429.95	3,536.09	3,211.87	324.22	10.907		
12,100.00	7,000.15	6,987.15	6,987.15	146.96	242.20	91.88	538.47	-7,429.95	3,451.53	3,124.33	327.20	10.549		
12,200.00	6,998.04	6,985.04	6,985.04	149.73	242.12	91.82	538.47	-7,429.95	3,367.82	3,037.47	330.35	10.195		
12,300.00	6,995.93	6,982.93	6,982.93	152.51	242.05	91.75	538.47	-7,429.95	3,285.02	2,951.37	333.65	9.846		
12,400.00	6,993.82	6,980.82	6,980.82	155.28	241.98	91.69	538.47	-7,429.95	3,203.20	2,866.07	337.13	9.501		
12,500.00	6,991.72	6,978.72	6,978.72	158.06	241.90	91.62	538.47	-7,429.95	3,122.44	2,781.66	340.78	9.163		
12,600.00	6,989.61	6,976.61	6,976.61	160.85	241.83	91.56	538.47	-7,429.95	3,042.81	2,698.20	344.61	8.830		
12,700.00	6,987.50	6,974.50	6,974.50	163.63	241.76	91.49	538.47	-7,429.95	2,964.43	2,615.79	348.64	8.503		
12,800.00	6,985.39	6,972.39	6,972.39	166.42	241.68	91.43	538.47	-7,429.95	2,887.37	2,534.52	352.85	8.183		
12,900.00	6,983.28	6,970.28	6,970.28	169.21	241.61	91.36	538.47	-7,429.95	2,811.76	2,454.49	357.27	7.870		
13,000.00	6,981.17	6,968.17	6,968.17	172.00	241.54	91.30	538.47	-7,429.95	2,737.71	2,375.83	361.88	7.565		
13,100.00	6,979.07	6,966.07	6,966.07	174.79	241.46	91.23	538.47	-7,429.95	2,665.36	2,298.65	366.70	7.268		
13,200.00	6,976.96	6,963.96	6,963.96	177.59	241.39	91.17	538.47	-7,429.95	2,594.84	2,223.11	371.73	6.980		
13,300.00	6,974.85	6,961.85	6,961.85	180.38	241.32	91.10	538.47	-7,429.95	2,526.31	2,149.36	376.95	6.702		
13,400.00	6,972.74	6,959.74	6,959.74	183.18	241.24	91.04	538.47	-7,429.95	2,459.94	2,077.57	382.37	6.433		
13,500.00	6,970.63	6,957.63	6,957.63	185.98	241.17	90.98	538.47	-7,429.95	2,395.90	2,007.93	387.96	6.176		
13,600.00	6,968.52	6,955.52	6,955.52	188.78	241.09	90.91	538.47	-7,429.95	2,334.38	1,940.65	393.73	5.929		
13,700.00	6,966.41	6,953.41	6,953.41	191.58	241.02	90.85	538.47	-7,429.95	2,275.60	1,875.96	399.64	5.694		
13,800.00	6,964.31	6,951.31	6,951.31	194.39	240.95	90.78	538.47	-7,429.95	2,219.77	1,814.09	405.68	5.472		
13,900.00	6,962.20	6,949.20	6,949.20	197.19	240.87	90.72	538.47	-7,429.95	2,167.11	1,755.31	411.79	5.263		
14,000.00	6,960.09	6,947.09	6,947.09	200.00	240.80	90.65	538.47	-7,429.95	2,117.86	1,699.91	417.96	5.067		
14,100.00	6,957.98	6,944.98	6,944.98	202.80	240.73	90.59	538.47	-7,429.95	2,072.27	1,648.16	424.11	4.886		
14,200.00	6,955.87	6,942.87	6,942.87	205.61	240.65	90.52	538.47	-7,429.95	2,030.59	1,600.39	430.20	4.720		

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

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - PEANUT #1 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,300.00	6,953.76	6,940.76	6,940.76	208.42	240.58	90.46	538.47	-7,429.95	1,993.05	1,556.89	436.16	4.570	
14,400.00	6,951.66	6,938.66	6,938.66	211.23	240.51	90.39	538.47	-7,429.95	1,959.90	1,517.98	441.92	4.435	
14,500.00	6,949.55	6,936.55	6,936.55	214.04	240.43	90.33	538.47	-7,429.95	1,931.36	1,483.95	447.40	4.317	
14,600.00	6,947.44	6,934.44	6,934.44	216.85	240.36	90.26	538.47	-7,429.95	1,907.64	1,455.10	452.54	4.215	
14,700.00	6,945.33	6,932.33	6,932.33	219.66	240.29	90.20	538.47	-7,429.95	1,888.91	1,431.67	457.25	4.131	
14,800.00	6,943.22	6,930.22	6,930.22	222.48	240.21	90.13	538.47	-7,429.95	1,875.34	1,413.88	461.46	4.064	
14,900.00	6,941.11	6,928.11	6,928.11	225.29	240.14	90.07	538.47	-7,429.95	1,867.03	1,401.92	465.12	4.014	
15,000.00	6,939.01	6,926.01	6,926.01	228.11	240.06	90.00	538.47	-7,429.95	1,864.06	1,395.89	468.17	3.982	
15,005.54	6,938.89	6,925.89	6,925.89	228.26	240.06	90.00	538.47	-7,429.95	1,864.05	1,395.73	468.32	3.980 CC, ES	
15,100.00	6,936.90	6,923.90	6,923.90	230.92	239.99	89.94	538.47	-7,429.95	1,866.44	1,395.85	470.59	3.966 SF	
15,200.00	6,934.79	6,921.79	6,921.79	233.74	239.92	89.87	538.47	-7,429.95	1,874.16	1,401.81	472.35	3.968	
15,300.00	6,932.68	6,919.68	6,919.68	236.56	239.84	89.81	538.47	-7,429.95	1,887.16	1,413.69	473.47	3.986	
15,400.00	6,930.57	6,917.57	6,917.57	239.37	239.77	89.74	538.47	-7,429.95	1,905.31	1,431.37	473.94	4.020	
15,500.00	6,928.46	6,915.46	6,915.46	242.19	239.70	89.68	538.47	-7,429.95	1,928.49	1,454.68	473.81	4.070	
15,521.99	6,928.00	6,915.00	6,915.00	242.81	239.68	89.67	538.47	-7,429.95	1,934.24	1,460.54	473.70	4.083	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-84.55	569.39	-5,964.33	5,991.45					
100.00	100.00	135.00	135.00	3.28	4.42	-84.55	569.39	-5,964.33	5,991.45	5,983.74	7.71	777.326		
200.00	200.00	235.00	235.00	3.34	7.24	-84.55	569.39	-5,964.33	5,991.45	5,980.87	10.58	566.269		
300.00	299.98	334.98	334.98	3.44	10.48	128.82	569.39	-5,964.33	5,992.54	5,978.63	13.92	430.639		
400.00	399.84	434.84	434.84	3.59	13.83	128.81	569.39	-5,964.33	5,995.83	5,978.41	17.42	344.181		
500.00	499.45	534.45	534.45	3.79	17.23	128.79	569.39	-5,964.33	6,001.30	5,980.28	21.02	285.526		
600.00	598.70	633.70	633.70	4.04	20.64	128.76	569.39	-5,964.33	6,008.97	5,984.29	24.67	243.532		
700.00	697.47	732.47	732.47	4.32	24.05	128.72	569.39	-5,964.33	6,018.83	5,990.46	28.37	212.168		
773.50	769.68	804.68	804.68	4.55	26.55	128.68	569.39	-5,964.33	6,027.48	5,996.38	31.10	193.808		
800.00	795.65	830.65	830.65	4.64	27.45	128.72	569.39	-5,964.33	6,030.82	5,998.73	32.09	187.943		
900.00	893.65	928.65	928.65	5.00	30.85	128.87	569.39	-5,964.33	6,043.43	6,007.60	35.83	168.656		
1,000.00	991.65	1,026.65	1,026.65	5.38	34.25	129.01	569.39	-5,964.33	6,056.08	6,016.47	39.60	152.913		
1,100.00	1,089.66	1,124.66	1,124.66	5.78	37.66	129.15	569.39	-5,964.33	6,068.77	6,025.37	43.40	139.839		
1,200.00	1,187.66	1,222.66	1,222.66	6.20	41.07	129.30	569.39	-5,964.33	6,081.49	6,034.29	47.21	128.820		
1,300.00	1,285.66	1,320.66	1,320.66	6.63	44.48	129.44	569.39	-5,964.33	6,094.26	6,043.23	51.03	119.415		
1,400.00	1,383.67	1,418.67	1,418.67	7.07	47.89	129.58	569.39	-5,964.33	6,107.06	6,052.19	54.87	111.299		
1,500.00	1,481.67	1,516.67	1,516.67	7.51	51.31	129.73	569.39	-5,964.33	6,119.91	6,061.19	58.72	104.228		
1,600.00	1,579.67	1,614.67	1,614.67	7.97	54.72	129.87	569.39	-5,964.33	6,132.78	6,070.21	62.57	98.014		
1,700.00	1,677.67	1,712.67	1,712.67	8.43	58.14	130.01	569.39	-5,964.33	6,145.70	6,079.27	66.43	92.513		
1,800.00	1,775.68	1,810.68	1,810.68	8.90	61.55	130.15	569.39	-5,964.33	6,158.65	6,088.36	70.30	87.610		
1,900.00	1,873.68	1,908.68	1,908.68	9.37	64.97	130.29	569.39	-5,964.33	6,171.64	6,097.48	74.17	83.214		
2,000.00	1,971.68	2,006.68	2,006.68	9.84	68.39	130.43	569.39	-5,964.33	6,184.67	6,106.63	78.04	79.250		
2,100.00	2,069.69	2,104.69	2,104.69	10.32	71.80	130.56	569.39	-5,964.33	6,197.73	6,115.82	81.92	75.658		
2,200.00	2,167.69	2,202.69	2,202.69	10.80	75.22	130.70	569.39	-5,964.33	6,210.83	6,125.04	85.80	72.389		
2,300.00	2,265.69	2,300.69	2,300.69	11.28	78.64	130.84	569.39	-5,964.33	6,223.97	6,134.29	89.68	69.401		
2,400.00	2,363.69	2,401.31	2,398.69	11.77	82.15	130.98	569.39	-5,964.33	6,237.14	6,143.48	93.66	66.595		
2,500.00	2,461.70	2,503.30	2,496.70	12.25	85.71	131.11	569.39	-5,964.33	6,250.35	6,152.66	97.68	63.986		
2,600.00	2,559.70	2,605.30	2,594.70	12.74	89.27	131.25	569.39	-5,964.33	6,263.59	6,161.88	101.71	61.582		
2,700.00	2,657.70	2,707.30	2,692.70	13.23	92.82	131.38	569.39	-5,964.33	6,276.87	6,171.13	105.74	59.361		
2,800.00	2,755.71	2,809.29	2,790.71	13.72	96.38	131.52	569.39	-5,964.33	6,290.18	6,180.41	109.77	57.302		
2,900.00	2,853.71	2,888.71	2,888.71	14.21	99.15	131.65	569.39	-5,964.33	6,303.53	6,190.51	113.02	55.776		
3,000.00	2,951.71	2,986.71	2,986.71	14.70	102.57	131.78	569.39	-5,964.33	6,316.91	6,200.00	116.91	54.033		
3,100.00	3,049.71	3,084.71	3,084.71	15.20	105.99	131.92	569.39	-5,964.33	6,330.32	6,209.52	120.80	52.402		
3,200.00	3,147.72	3,182.72	3,182.72	15.69	109.41	132.05	569.39	-5,964.33	6,343.77	6,219.07	124.70	50.873		
3,300.00	3,245.72	3,280.72	3,280.72	16.19	112.83	132.18	569.39	-5,964.33	6,357.25	6,228.66	128.59	49.436		
3,400.00	3,343.72	3,378.72	3,378.72	16.69	116.25	132.31	569.39	-5,964.33	6,370.77	6,238.28	132.49	48.084		
3,500.00	3,441.73	3,476.73	3,476.73	17.18	119.67	132.44	569.39	-5,964.33	6,384.32	6,247.93	136.39	46.810		
3,600.00	3,539.73	3,574.73	3,574.73	17.68	123.09	132.57	569.39	-5,964.33	6,397.90	6,257.62	140.29	45.606		
3,700.00	3,637.73	3,672.73	3,672.73	18.18	126.51	132.70	569.39	-5,964.33	6,411.52	6,267.34	144.18	44.468		
3,800.00	3,735.73	3,770.73	3,770.73	18.68	129.93	132.83	569.39	-5,964.33	6,425.17	6,277.09	148.08	43.389		
3,900.00	3,833.74	3,868.74	3,868.74	19.18	133.35	132.96	569.39	-5,964.33	6,438.85	6,286.87	151.98	42.366		
4,000.00	3,931.74	3,966.74	3,966.74	19.67	136.77	133.09	569.39	-5,964.33	6,452.56	6,296.68	155.88	41.394		
4,100.00	4,029.74	4,064.74	4,064.74	20.17	140.19	133.21	569.39	-5,964.33	6,466.31	6,306.53	159.78	40.470		
4,200.00	4,127.75	4,162.75	4,162.75	20.67	143.61	133.34	569.39	-5,964.33	6,480.09	6,316.41	163.68	39.590		
4,300.00	4,225.75	4,260.75	4,260.75	21.18	147.03	133.47	569.39	-5,964.33	6,493.89	6,326.32	167.58	38.751		
4,400.00	4,323.75	4,358.75	4,358.75	21.68	150.45	133.59	569.39	-5,964.33	6,507.73	6,336.26	171.48	37.951		
4,500.00	4,421.76	4,456.76	4,456.76	22.18	153.88	133.72	569.39	-5,964.33	6,521.61	6,346.23	175.38	37.186		
4,600.00	4,519.76	4,554.76	4,554.76	22.68	157.30	133.84	569.39	-5,964.33	6,535.51	6,356.23	179.28	36.454		
4,700.00	4,617.76	4,652.76	4,652.76	23.18	160.72	133.97	569.39	-5,964.33	6,549.44	6,366.26	183.18	35.754		
4,800.00	4,715.76	4,750.76	4,750.76	23.68	164.14	134.09	569.39	-5,964.33	6,563.41	6,376.33	187.08	35.084		
4,900.00	4,813.77	4,848.77	4,848.77	24.18	167.56	134.21	569.39	-5,964.33	6,577.40	6,386.42	190.98	34.440		
5,000.00	4,911.77	4,946.77	4,946.77	24.69	170.98	134.34	569.39	-5,964.33	6,591.43	6,396.55	194.88	33.823		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,044.77	5,044.77	25.19	174.40	134.46	569.39	-5,964.33	6,605.48	6,406.70	198.78	33.230		
5,200.00	5,107.78	5,142.78	5,142.78	25.69	177.82	134.58	569.39	-5,964.33	6,619.57	6,416.88	202.68	32.660		
5,300.00	5,205.78	5,240.78	5,240.78	26.19	181.24	134.70	569.39	-5,964.33	6,633.68	6,427.10	206.58	32.111		
5,400.00	5,303.78	5,338.78	5,338.78	26.70	184.66	134.82	569.39	-5,964.33	6,647.82	6,437.34	210.48	31.584		
5,500.00	5,401.78	5,436.78	5,436.78	27.20	188.08	134.94	569.39	-5,964.33	6,662.00	6,447.61	214.38	31.075		
5,600.00	5,499.79	5,534.79	5,534.79	27.70	191.50	135.06	569.39	-5,964.33	6,676.20	6,457.92	218.29	30.585		
5,700.00	5,597.79	5,632.79	5,632.79	28.21	194.92	135.18	569.39	-5,964.33	6,690.43	6,468.25	222.19	30.112		
5,800.00	5,695.79	5,730.79	5,730.79	28.71	198.34	135.30	569.39	-5,964.33	6,704.69	6,478.61	226.09	29.655		
5,900.00	5,793.80	5,828.80	5,828.80	29.22	201.76	135.42	569.39	-5,964.33	6,718.98	6,488.99	229.99	29.214		
6,000.00	5,891.80	5,926.80	5,926.80	29.72	205.19	135.53	569.39	-5,964.33	6,733.30	6,499.41	233.89	28.788		
6,100.00	5,989.80	6,024.80	6,024.80	30.22	208.61	135.65	569.39	-5,964.33	6,747.64	6,509.85	237.79	28.377		
6,200.00	6,087.80	6,122.80	6,122.80	30.73	212.03	135.77	569.39	-5,964.33	6,762.02	6,520.33	241.69	27.978		
6,300.00	6,185.81	6,220.81	6,220.81	31.23	215.45	135.88	569.39	-5,964.33	6,776.42	6,530.83	245.59	27.592		
6,400.00	6,283.81	6,318.81	6,318.81	31.74	218.87	136.00	569.39	-5,964.33	6,790.85	6,541.36	249.49	27.219		
6,500.00	6,381.81	6,416.81	6,416.81	32.24	222.29	136.12	569.39	-5,964.33	6,805.31	6,551.91	253.39	26.857		
6,520.79	6,402.19	6,437.19	6,437.19	32.35	223.00	136.14	569.39	-5,964.33	6,808.31	6,554.11	254.20	26.783		
6,550.00	6,430.87	6,465.87	6,465.87	32.49	224.00	123.71	569.39	-5,964.33	6,811.90	6,556.56	255.34	26.677		
6,600.00	6,480.12	6,515.12	6,515.12	32.72	225.72	98.37	569.39	-5,964.33	6,815.06	6,557.77	257.29	26.488		
6,650.00	6,529.30	6,564.30	6,564.30	32.93	227.44	75.36	569.39	-5,964.33	6,814.43	6,555.21	259.22	26.288		
6,700.00	6,578.09	6,613.09	6,613.09	33.12	229.14	59.61	569.39	-5,964.33	6,810.03	6,548.91	261.12	26.080		
6,750.00	6,626.21	6,661.21	6,661.21	33.30	230.82	49.78	569.39	-5,964.33	6,801.89	6,538.92	262.97	25.866		
6,800.00	6,673.34	6,708.34	6,708.34	33.46	232.47	43.60	569.39	-5,964.33	6,790.05	6,525.29	264.77	25.646		
6,850.00	6,719.21	6,754.21	6,754.21	33.61	234.07	39.63	569.39	-5,964.33	6,774.61	6,508.11	266.50	25.421		
6,900.00	6,763.53	6,801.47	6,798.53	33.75	235.72	37.09	569.39	-5,964.33	6,755.65	6,487.39	268.27	25.183		
6,950.00	6,806.03	6,841.03	6,841.03	33.89	237.10	35.53	569.39	-5,964.33	6,733.31	6,463.56	269.75	24.962		
7,000.00	6,846.44	6,881.44	6,881.44	34.02	238.51	34.71	569.39	-5,964.33	6,707.71	6,436.47	271.24	24.729		
7,050.00	6,884.52	6,919.52	6,919.52	34.15	239.84	34.51	569.39	-5,964.33	6,679.03	6,406.38	272.65	24.497		
7,100.00	6,920.03	6,955.03	6,955.03	34.27	241.08	34.86	569.39	-5,964.33	6,647.44	6,373.49	273.95	24.266		
7,150.00	6,952.75	6,987.75	6,987.75	34.40	242.22	35.76	569.39	-5,964.33	6,613.14	6,338.00	275.14	24.036		
7,200.00	6,982.48	7,017.48	7,017.48	34.54	243.26	37.25	569.39	-5,964.33	6,576.34	6,300.12	276.22	23.808		
7,250.00	7,009.04	7,044.04	7,044.04	34.70	244.18	39.41	569.39	-5,964.33	6,537.28	6,260.09	277.19	23.584		
7,300.00	7,032.26	7,067.26	7,067.26	34.87	244.99	42.40	569.39	-5,964.33	6,496.19	6,218.15	278.04	23.364		
7,350.00	7,052.00	7,087.00	7,087.00	35.08	245.68	46.42	569.39	-5,964.33	6,453.33	6,174.56	278.77	23.149		
7,400.00	7,068.14	7,103.14	7,103.14	35.34	246.25	51.79	569.39	-5,964.33	6,408.97	6,129.59	279.37	22.940		
7,450.00	7,080.57	7,115.57	7,115.57	35.65	246.68	58.90	569.39	-5,964.33	6,363.36	6,083.51	279.86	22.738		
7,500.00	7,089.23	7,124.23	7,124.23	36.01	246.98	68.20	569.39	-5,964.33	6,316.81	6,036.60	280.21	22.543		
7,550.00	7,094.06	7,129.06	7,129.06	36.44	247.15	79.89	569.39	-5,964.33	6,269.58	5,989.14	280.44	22.356		
7,601.12	7,095.00	7,130.00	7,130.00	36.93	247.19	93.85	569.39	-5,964.33	6,220.90	5,940.36	280.54	22.175		
7,700.00	7,092.92	7,127.92	7,127.92	38.05	247.11	93.79	569.39	-5,964.33	6,126.63	5,846.00	280.63	21.832		
7,800.00	7,090.81	7,125.81	7,125.81	39.40	247.04	93.72	569.39	-5,964.33	6,031.44	5,750.69	280.75	21.484		
7,900.00	7,088.70	7,123.70	7,123.70	40.93	246.97	93.66	569.39	-5,964.33	5,936.40	5,655.50	280.90	21.134		
8,000.00	7,086.59	7,121.59	7,121.59	42.61	246.89	93.60	569.39	-5,964.33	5,841.53	5,560.45	281.09	20.782		
8,100.00	7,084.49	7,119.49	7,119.49	44.41	246.82	93.53	569.39	-5,964.33	5,746.84	5,465.52	281.32	20.428		
8,200.00	7,082.38	7,117.38	7,117.38	46.33	246.74	93.47	569.39	-5,964.33	5,652.32	5,370.74	281.59	20.073		
8,300.00	7,080.27	7,115.27	7,115.27	48.34	246.67	93.40	569.39	-5,964.33	5,558.00	5,276.10	281.90	19.716		
8,400.00	7,078.16	7,113.16	7,113.16	50.43	246.60	93.34	569.39	-5,964.33	5,463.88	5,181.62	282.27	19.357		
8,500.00	7,076.05	7,111.05	7,111.05	52.59	246.52	93.27	569.39	-5,964.33	5,369.97	5,087.30	282.68	18.997		
8,600.00	7,073.94	7,108.94	7,108.94	54.82	246.45	93.21	569.39	-5,964.33	5,276.29	4,993.14	283.14	18.635		
8,700.00	7,071.84	7,106.84	7,106.84	57.10	246.38	93.14	569.39	-5,964.33	5,182.83	4,899.17	283.66	18.271		
8,800.00	7,069.73	7,104.73	7,104.73	59.44	246.30	93.08	569.39	-5,964.33	5,089.63	4,805.39	284.24	17.906		
8,900.00	7,067.62	7,102.62	7,102.62	61.81	246.23	93.01	569.39	-5,964.33	4,996.69	4,711.81	284.88	17.540		
9,000.00	7,065.51	7,100.51	7,100.51	64.23	246.16	92.95	569.39	-5,964.33	4,904.02	4,618.44	285.58	17.172		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	7,101.60	7,098.40	66.68	246.19	92.88	569.39	-5,964.33	4,811.65	4,525.19	286.47	16.797		
9,200.00	7,061.29	7,103.71	7,096.29	69.15	246.27	92.82	569.39	-5,964.33	4,719.59	4,432.13	287.46	16.418		
9,300.00	7,059.18	7,105.82	7,094.18	71.66	246.34	92.75	569.39	-5,964.33	4,627.86	4,339.33	288.52	16.040		
9,400.00	7,057.08	7,107.92	7,092.08	74.19	246.41	92.69	569.39	-5,964.33	4,536.47	4,246.80	289.67	15.661		
9,500.00	7,054.97	7,089.97	7,089.97	76.75	245.79	92.62	569.39	-5,964.33	4,445.46	4,155.26	290.19	15.319		
9,600.00	7,052.86	7,087.86	7,087.86	79.32	245.71	92.56	569.39	-5,964.33	4,354.83	4,063.48	291.36	14.947		
9,700.00	7,050.75	7,085.75	7,085.75	81.91	245.64	92.49	569.39	-5,964.33	4,264.63	3,972.02	292.61	14.574		
9,800.00	7,048.64	7,083.64	7,083.64	84.52	245.57	92.43	569.39	-5,964.33	4,174.87	3,880.91	293.96	14.202		
9,900.00	7,046.53	7,081.53	7,081.53	87.14	245.49	92.36	569.39	-5,964.33	4,085.59	3,790.18	295.41	13.830		
10,000.00	7,044.43	7,079.43	7,079.43	89.78	245.42	92.30	569.39	-5,964.33	3,996.81	3,699.85	296.96	13.459		
10,100.00	7,042.32	7,077.32	7,077.32	92.43	245.35	92.23	569.39	-5,964.33	3,908.57	3,609.96	298.62	13.089		
10,200.00	7,040.21	7,075.21	7,075.21	95.09	245.27	92.17	569.39	-5,964.33	3,820.92	3,520.53	300.39	12.720		
10,300.00	7,038.10	7,073.10	7,073.10	97.76	245.20	92.10	569.39	-5,964.33	3,733.88	3,431.61	302.27	12.353		
10,400.00	7,035.99	7,070.99	7,070.99	100.44	245.13	92.04	569.39	-5,964.33	3,647.50	3,343.22	304.28	11.987		
10,500.00	7,033.88	7,068.88	7,068.88	103.13	245.05	91.97	569.39	-5,964.33	3,561.84	3,255.42	306.42	11.624		
10,600.00	7,031.78	7,066.78	7,066.78	105.82	244.98	91.91	569.39	-5,964.33	3,476.94	3,168.25	308.69	11.264		
10,700.00	7,029.67	7,064.67	7,064.67	108.53	244.90	91.84	569.39	-5,964.33	3,392.86	3,081.77	311.09	10.906		
10,800.00	7,027.56	7,062.56	7,062.56	111.24	244.83	91.78	569.39	-5,964.33	3,309.67	2,996.02	313.65	10.552		
10,900.00	7,025.45	7,060.45	7,060.45	113.96	244.76	91.71	569.39	-5,964.33	3,227.43	2,911.07	316.35	10.202		
11,000.00	7,023.34	7,058.34	7,058.34	116.68	244.68	91.65	569.39	-5,964.33	3,146.21	2,827.00	319.21	9.856		
11,100.00	7,021.23	7,056.23	7,056.23	119.41	244.61	91.58	569.39	-5,964.33	3,066.11	2,743.87	322.24	9.515		
11,200.00	7,019.13	7,054.13	7,054.13	122.15	244.54	91.52	569.39	-5,964.33	2,987.20	2,661.77	325.43	9.179		
11,300.00	7,017.02	7,052.02	7,052.02	124.89	244.46	91.45	569.39	-5,964.33	2,909.59	2,580.79	328.80	8.849		
11,400.00	7,014.91	7,049.91	7,049.91	127.63	244.39	91.39	569.39	-5,964.33	2,833.38	2,501.04	332.34	8.525		
11,500.00	7,012.80	7,047.80	7,047.80	130.38	244.32	91.33	569.39	-5,964.33	2,758.69	2,422.62	336.07	8.209		
11,600.00	7,010.69	7,045.69	7,045.69	133.14	244.24	91.26	569.39	-5,964.33	2,685.65	2,345.67	339.98	7.899		
11,700.00	7,008.58	7,043.58	7,043.58	135.89	244.17	91.20	569.39	-5,964.33	2,614.39	2,270.30	344.08	7.598		
11,800.00	7,006.47	7,041.47	7,041.47	138.65	244.09	91.13	569.39	-5,964.33	2,545.06	2,196.69	348.37	7.306		
11,900.00	7,004.37	7,039.37	7,039.37	141.42	244.02	91.07	569.39	-5,964.33	2,477.83	2,124.99	352.84	7.023		
12,000.00	7,002.26	7,037.26	7,037.26	144.19	243.95	91.00	569.39	-5,964.33	2,412.86	2,055.38	357.48	6.750		
12,100.00	7,000.15	7,035.15	7,035.15	146.96	243.87	90.94	569.39	-5,964.33	2,350.36	1,988.06	362.30	6.487		
12,200.00	6,998.04	7,033.04	7,033.04	149.73	243.80	90.87	569.39	-5,964.33	2,290.52	1,923.25	367.26	6.237		
12,300.00	6,995.93	7,030.93	7,030.93	152.51	243.73	90.81	569.39	-5,964.33	2,233.54	1,861.18	372.36	5.998		
12,400.00	6,993.82	7,028.82	7,028.82	155.28	243.65	90.74	569.39	-5,964.33	2,179.67	1,802.11	377.57	5.773		
12,500.00	6,991.72	7,026.72	7,026.72	158.06	243.58	90.68	569.39	-5,964.33	2,129.13	1,746.29	382.85	5.561		
12,600.00	6,989.61	7,024.61	7,024.61	160.85	243.51	90.61	569.39	-5,964.33	2,082.17	1,694.00	388.17	5.364		
12,700.00	6,987.50	7,022.50	7,022.50	163.63	243.43	90.55	569.39	-5,964.33	2,039.04	1,645.55	393.49	5.182		
12,800.00	6,985.39	7,020.39	7,020.39	166.42	243.36	90.48	569.39	-5,964.33	1,999.97	1,601.23	398.74	5.016		
12,900.00	6,983.28	7,018.28	7,018.28	169.21	243.29	90.42	569.39	-5,964.33	1,965.22	1,561.34	403.88	4.866		
13,000.00	6,981.17	7,016.17	7,016.17	172.00	243.21	90.35	569.39	-5,964.33	1,935.02	1,526.17	408.85	4.733		
13,100.00	6,979.07	7,014.07	7,014.07	174.79	243.14	90.29	569.39	-5,964.33	1,909.58	1,496.01	413.57	4.617		
13,200.00	6,976.96	7,011.96	7,011.96	177.59	243.06	90.22	569.39	-5,964.33	1,889.09	1,471.11	417.98	4.520		
13,300.00	6,974.85	7,009.85	7,009.85	180.38	242.99	90.16	569.39	-5,964.33	1,873.72	1,451.69	422.03	4.440		
13,400.00	6,972.74	7,007.74	7,007.74	183.18	242.92	90.09	569.39	-5,964.33	1,863.60	1,437.95	425.65	4.378		
13,500.00	6,970.63	7,005.63	7,005.63	185.98	242.84	90.03	569.39	-5,964.33	1,858.80	1,430.01	428.80	4.335		
13,539.27	6,969.80	7,004.80	7,004.80	187.08	242.81	90.00	569.39	-5,964.33	1,858.39	1,428.49	429.90	4.323 CC		
13,600.00	6,968.52	7,003.52	7,003.52	188.78	242.77	89.96	569.39	-5,964.33	1,859.38	1,427.94	431.43	4.310 ES		
13,700.00	6,966.41	7,001.41	7,001.41	191.58	242.70	89.90	569.39	-5,964.33	1,865.32	1,431.78	433.54	4.303 SF		
13,800.00	6,964.31	7,000.69	6,999.31	194.39	242.67	89.83	569.39	-5,964.33	1,876.58	1,441.43	435.15	4.312		
13,900.00	6,962.20	7,002.80	6,997.20	197.19	242.74	89.77	569.39	-5,964.33	1,893.06	1,456.73	436.33	4.339		
14,000.00	6,960.09	7,004.91	6,995.09	200.00	242.82	89.70	569.39	-5,964.33	1,914.62	1,477.64	436.98	4.381		
14,100.00	6,957.98	7,007.02	6,992.98	202.80	242.89	89.64	569.39	-5,964.33	1,941.10	1,503.95	437.15	4.440		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,955.87	7,009.13	6,990.87	205.61	242.97	89.57	569.39	-5,964.33	1,972.30	1,535.43	436.87	4.515		
14,300.00	6,953.76	6,988.76	6,988.76	208.42	242.25	89.51	569.39	-5,964.33	2,008.00	1,572.61	435.39	4.612		
14,400.00	6,951.66	6,986.66	6,986.66	211.23	242.18	89.44	569.39	-5,964.33	2,047.96	1,613.76	434.19	4.717		
14,500.00	6,949.55	6,984.55	6,984.55	214.04	242.11	89.38	569.39	-5,964.33	2,091.93	1,659.25	432.69	4.835		
14,600.00	6,947.44	6,982.44	6,982.44	216.85	242.03	89.31	569.39	-5,964.33	2,139.68	1,708.77	430.92	4.965		
14,700.00	6,945.33	6,980.33	6,980.33	219.66	241.96	89.25	569.39	-5,964.33	2,190.96	1,762.02	428.93	5.108		
14,800.00	6,943.22	6,978.22	6,978.22	222.48	241.89	89.18	569.39	-5,964.33	2,245.51	1,818.73	426.78	5.262		
14,900.00	6,941.11	6,976.11	6,976.11	225.29	241.81	89.12	569.39	-5,964.33	2,303.12	1,878.63	424.49	5.426		
15,000.00	6,939.01	6,974.01	6,974.01	228.11	241.74	89.05	569.39	-5,964.33	2,363.55	1,941.44	422.11	5.599		
15,100.00	6,936.90	6,971.90	6,971.90	230.92	241.67	88.99	569.39	-5,964.33	2,426.60	2,006.94	419.66	5.782		
15,200.00	6,934.79	6,969.79	6,969.79	233.74	241.59	88.92	569.39	-5,964.33	2,492.07	2,074.90	417.17	5.974		
15,300.00	6,932.68	6,967.68	6,967.68	236.56	241.52	88.86	569.39	-5,964.33	2,559.76	2,145.10	414.66	6.173		
15,400.00	6,930.57	6,965.57	6,965.57	239.37	241.45	88.79	569.39	-5,964.33	2,629.52	2,217.37	412.15	6.380		
15,500.00	6,928.46	6,963.46	6,963.46	242.19	241.37	88.73	569.39	-5,964.33	2,701.17	2,291.51	409.66	6.594		
15,521.99	6,928.00	6,963.00	6,963.00	242.81	241.36	88.71	569.39	-5,964.33	2,717.17	2,308.05	409.12	6.642		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-96.57	-986.85	-8,574.58	8,631.18					
100.00	100.00	133.00	133.00	3.28	4.38	-96.57	-986.85	-8,574.58	8,631.18	8,623.52	7.66	1,126.605		
200.00	200.00	233.00	233.00	3.34	7.18	-96.57	-986.85	-8,574.58	8,631.18	8,620.66	10.52	820.581		
300.00	299.98	332.98	332.98	3.44	10.41	116.80	-986.85	-8,574.58	8,631.97	8,618.12	13.85	623.289		
400.00	399.84	432.84	432.84	3.59	13.76	116.79	-986.85	-8,574.58	8,634.33	8,616.98	17.35	497.596		
500.00	499.45	532.45	532.45	3.79	17.16	116.77	-986.85	-8,574.58	8,638.27	8,617.32	20.95	412.351		
600.00	598.70	631.70	631.70	4.04	20.57	116.74	-986.85	-8,574.58	8,643.79	8,619.19	24.60	351.311		
700.00	697.47	730.47	730.47	4.32	23.98	116.71	-986.85	-8,574.58	8,650.90	8,622.60	28.30	305.691		
773.50	769.68	802.68	802.68	4.55	26.48	116.68	-986.85	-8,574.58	8,657.13	8,626.10	31.03	278.966		
800.00	795.65	828.65	828.65	4.64	27.38	116.71	-986.85	-8,574.58	8,659.54	8,627.52	32.02	270.427		
900.00	893.65	926.65	926.65	5.00	30.78	116.82	-986.85	-8,574.58	8,668.64	8,632.87	35.77	242.328		
1,000.00	991.65	1,024.65	1,024.65	5.38	34.18	116.94	-986.85	-8,574.58	8,677.77	8,638.22	39.55	219.406		
1,100.00	1,089.66	1,122.66	1,122.66	5.78	37.59	117.05	-986.85	-8,574.58	8,686.95	8,643.59	43.35	200.381		
1,200.00	1,187.66	1,220.66	1,220.66	6.20	41.00	117.17	-986.85	-8,574.58	8,696.15	8,648.98	47.17	184.355		
1,300.00	1,285.66	1,318.66	1,318.66	6.63	44.41	117.28	-986.85	-8,574.58	8,705.40	8,654.39	51.00	170.681		
1,400.00	1,383.67	1,416.67	1,416.67	7.07	47.82	117.40	-986.85	-8,574.58	8,714.67	8,659.83	54.85	158.887		
1,500.00	1,481.67	1,514.67	1,514.67	7.51	51.24	117.51	-986.85	-8,574.58	8,723.99	8,665.29	58.70	148.613		
1,600.00	1,579.67	1,612.67	1,612.67	7.97	54.65	117.62	-986.85	-8,574.58	8,733.34	8,670.77	62.56	139.589		
1,700.00	1,677.67	1,710.67	1,710.67	8.43	58.07	117.74	-986.85	-8,574.58	8,742.72	8,676.29	66.43	131.601		
1,800.00	1,775.68	1,808.68	1,808.68	8.90	61.48	117.85	-986.85	-8,574.58	8,752.14	8,681.83	70.31	124.483		
1,900.00	1,873.68	1,906.68	1,906.68	9.37	64.90	117.96	-986.85	-8,574.58	8,761.60	8,687.41	74.19	118.102		
2,000.00	1,971.68	2,004.68	2,004.68	9.84	68.32	118.08	-986.85	-8,574.58	8,771.09	8,693.02	78.07	112.350		
2,100.00	2,069.69	2,102.69	2,102.69	10.32	71.73	118.19	-986.85	-8,574.58	8,780.61	8,698.66	81.96	107.138		
2,200.00	2,167.69	2,200.69	2,200.69	10.80	75.15	118.30	-986.85	-8,574.58	8,790.17	8,704.32	85.85	102.395		
2,300.00	2,265.69	2,301.31	2,298.69	11.28	78.66	118.42	-986.85	-8,574.58	8,799.76	8,709.94	89.83	97.962		
2,400.00	2,363.69	2,403.31	2,396.69	11.77	82.22	118.53	-986.85	-8,574.58	8,809.39	8,715.53	93.86	93.855		
2,500.00	2,461.70	2,505.30	2,494.70	12.25	85.78	118.64	-986.85	-8,574.58	8,819.05	8,721.16	97.90	90.084		
2,600.00	2,559.70	2,607.30	2,592.70	12.74	89.34	118.75	-986.85	-8,574.58	8,828.75	8,726.82	101.93	86.612		
2,700.00	2,657.70	2,709.30	2,690.70	13.23	92.89	118.86	-986.85	-8,574.58	8,838.48	8,732.51	105.97	83.403		
2,800.00	2,755.71	2,788.71	2,788.71	13.72	95.66	118.97	-986.85	-8,574.58	8,848.25	8,739.02	109.23	81.009		
2,900.00	2,853.71	2,886.71	2,886.71	14.21	99.08	119.08	-986.85	-8,574.58	8,858.08	8,744.92	113.13	78.301		
3,000.00	2,951.71	2,984.71	2,984.71	14.70	102.50	119.19	-986.85	-8,574.58	8,867.88	8,750.85	117.03	75.774		
3,100.00	3,049.71	3,082.71	3,082.71	15.20	105.92	119.30	-986.85	-8,574.58	8,877.74	8,756.81	120.93	73.410		
3,200.00	3,147.72	3,180.72	3,180.72	15.69	109.34	119.41	-986.85	-8,574.58	8,887.64	8,762.80	124.84	71.193		
3,300.00	3,245.72	3,278.72	3,278.72	16.19	112.76	119.52	-986.85	-8,574.58	8,897.58	8,768.83	128.74	69.110		
3,400.00	3,343.72	3,376.72	3,376.72	16.69	116.18	119.63	-986.85	-8,574.58	8,907.54	8,774.89	132.65	67.150		
3,500.00	3,441.73	3,474.73	3,474.73	17.18	119.60	119.74	-986.85	-8,574.58	8,917.54	8,780.98	136.56	65.302		
3,600.00	3,539.73	3,572.73	3,572.73	17.68	123.02	119.85	-986.85	-8,574.58	8,927.57	8,787.11	140.46	63.557		
3,700.00	3,637.73	3,670.73	3,670.73	18.18	126.44	119.96	-986.85	-8,574.58	8,937.64	8,793.27	144.37	61.907		
3,800.00	3,735.73	3,768.73	3,768.73	18.68	129.86	120.07	-986.85	-8,574.58	8,947.74	8,799.46	148.28	60.343		
3,900.00	3,833.74	3,866.74	3,866.74	19.18	133.28	120.18	-986.85	-8,574.58	8,957.87	8,805.68	152.19	58.860		
4,000.00	3,931.74	3,964.74	3,964.74	19.67	136.70	120.29	-986.85	-8,574.58	8,968.03	8,811.93	156.10	57.451		
4,100.00	4,029.74	4,062.74	4,062.74	20.17	140.12	120.39	-986.85	-8,574.58	8,978.23	8,818.22	160.01	56.111		
4,200.00	4,127.75	4,160.75	4,160.75	20.67	143.54	120.50	-986.85	-8,574.58	8,988.46	8,824.54	163.92	54.835		
4,300.00	4,225.75	4,258.75	4,258.75	21.18	146.96	120.61	-986.85	-8,574.58	8,998.72	8,830.89	167.83	53.619		
4,400.00	4,323.75	4,356.75	4,356.75	21.68	150.38	120.72	-986.85	-8,574.58	9,009.01	8,837.27	171.74	52.458		
4,500.00	4,421.76	4,454.76	4,454.76	22.18	153.81	120.82	-986.85	-8,574.58	9,019.34	8,843.69	175.65	51.349		
4,600.00	4,519.76	4,552.76	4,552.76	22.68	157.23	120.93	-986.85	-8,574.58	9,029.69	8,850.14	179.56	50.288		
4,700.00	4,617.76	4,650.76	4,650.76	23.18	160.65	121.04	-986.85	-8,574.58	9,040.08	8,856.62	183.47	49.273		
4,800.00	4,715.76	4,748.76	4,748.76	23.68	164.07	121.14	-986.85	-8,574.58	9,050.50	8,863.13	187.38	48.300		
4,900.00	4,813.77	4,846.77	4,846.77	24.18	167.49	121.25	-986.85	-8,574.58	9,060.96	8,869.67	191.29	47.368		
5,000.00	4,911.77	4,944.77	4,944.77	24.69	170.91	121.36	-986.85	-8,574.58	9,071.44	8,876.24	195.20	46.472		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,042.77	5,042.77	25.19	174.33	121.46	-986.85	-8,574.58	9,081.96	8,882.84	199.11	45.612		
5,200.00	5,107.78	5,140.78	5,140.78	25.69	177.75	121.57	-986.85	-8,574.58	9,092.50	8,889.48	203.02	44.785		
5,300.00	5,205.78	5,238.78	5,238.78	26.19	181.17	121.67	-986.85	-8,574.58	9,103.08	8,896.15	206.94	43.990		
5,400.00	5,303.78	5,336.78	5,336.78	26.70	184.59	121.78	-986.85	-8,574.58	9,113.69	8,902.85	210.85	43.224		
5,500.00	5,401.78	5,434.78	5,434.78	27.20	188.01	121.88	-986.85	-8,574.58	9,124.33	8,909.57	214.76	42.487		
5,600.00	5,499.79	5,532.79	5,532.79	27.70	191.43	121.99	-986.85	-8,574.58	9,135.00	8,916.33	218.67	41.775		
5,700.00	5,597.79	5,630.79	5,630.79	28.21	194.85	122.09	-986.85	-8,574.58	9,145.71	8,923.12	222.58	41.089		
5,800.00	5,695.79	5,728.79	5,728.79	28.71	198.27	122.19	-986.85	-8,574.58	9,156.44	8,929.95	226.49	40.427		
5,900.00	5,793.80	5,826.80	5,826.80	29.22	201.70	122.30	-986.85	-8,574.58	9,167.20	8,936.80	230.40	39.788		
6,000.00	5,891.80	5,924.80	5,924.80	29.72	205.12	122.40	-986.85	-8,574.58	9,178.00	8,943.68	234.32	39.169		
6,100.00	5,989.80	6,022.80	6,022.80	30.22	208.54	122.50	-986.85	-8,574.58	9,188.82	8,950.59	238.23	38.572		
6,200.00	6,087.80	6,120.80	6,120.80	30.73	211.96	122.61	-986.85	-8,574.58	9,199.67	8,957.54	242.14	37.993		
6,300.00	6,185.81	6,218.81	6,218.81	31.23	215.38	122.71	-986.85	-8,574.58	9,210.56	8,964.51	246.05	37.434		
6,400.00	6,283.81	6,316.81	6,316.81	31.74	218.80	122.81	-986.85	-8,574.58	9,221.47	8,971.51	249.96	36.892		
6,500.00	6,381.81	6,414.81	6,414.81	32.24	222.22	122.91	-986.85	-8,574.58	9,232.42	8,978.54	253.87	36.366		
6,520.79	6,402.19	6,435.19	6,435.19	32.35	222.93	122.94	-986.85	-8,574.58	9,234.70	8,980.01	254.69	36.259		
6,550.00	6,430.87	6,463.87	6,463.87	32.49	223.93	110.58	-986.85	-8,574.58	9,237.23	8,981.40	255.83	36.107		
6,600.00	6,480.12	6,513.12	6,513.12	32.72	225.65	85.30	-986.85	-8,574.58	9,238.48	8,980.70	257.78	35.839		
6,650.00	6,529.30	6,562.30	6,562.30	32.93	227.37	62.25	-986.85	-8,574.58	9,235.81	8,976.10	259.71	35.562		
6,700.00	6,578.09	6,611.09	6,611.09	33.12	229.07	46.39	-986.85	-8,574.58	9,229.24	8,967.64	261.60	35.279		
6,750.00	6,626.21	6,659.21	6,659.21	33.30	230.75	36.36	-986.85	-8,574.58	9,218.82	8,955.37	263.45	34.992		
6,800.00	6,673.34	6,706.34	6,706.34	33.46	232.40	29.89	-986.85	-8,574.58	9,204.60	8,939.35	265.25	34.701		
6,850.00	6,719.21	6,752.21	6,752.21	33.61	234.00	25.53	-986.85	-8,574.58	9,186.68	8,919.69	266.99	34.408		
6,900.00	6,763.53	6,803.47	6,796.53	33.75	235.79	22.49	-986.85	-8,574.58	9,165.16	8,896.26	268.90	34.084		
6,950.00	6,806.03	6,839.03	6,839.03	33.89	237.03	20.30	-986.85	-8,574.58	9,140.18	8,869.93	270.24	33.822		
7,000.00	6,846.44	6,879.44	6,879.44	34.02	238.44	18.71	-986.85	-8,574.58	9,111.89	8,840.14	271.75	33.531		
7,050.00	6,884.52	6,917.52	6,917.52	34.15	239.77	17.56	-986.85	-8,574.58	9,080.46	8,807.31	273.15	33.243		
7,100.00	6,920.03	6,953.03	6,953.03	34.27	241.01	16.76	-986.85	-8,574.58	9,046.09	8,771.64	274.45	32.960		
7,150.00	6,952.75	6,985.75	6,985.75	34.40	242.15	16.25	-986.85	-8,574.58	9,008.99	8,733.34	275.65	32.683		
7,200.00	6,982.48	7,015.48	7,015.48	34.54	243.19	16.01	-986.85	-8,574.58	8,969.38	8,692.65	276.73	32.412		
7,250.00	7,009.04	7,042.04	7,042.04	34.70	244.11	16.05	-986.85	-8,574.58	8,927.52	8,649.83	277.69	32.149		
7,300.00	7,032.26	7,065.26	7,065.26	34.87	244.93	16.41	-986.85	-8,574.58	8,883.65	8,605.12	278.52	31.896		
7,350.00	7,052.00	7,085.00	7,085.00	35.08	245.61	17.21	-986.85	-8,574.58	8,838.04	8,558.81	279.23	31.652		
7,400.00	7,068.14	7,101.14	7,101.14	35.34	246.18	18.68	-986.85	-8,574.58	8,790.99	8,511.18	279.80	31.419		
7,450.00	7,080.57	7,113.57	7,113.57	35.65	246.61	21.42	-986.85	-8,574.58	8,742.76	8,462.52	280.24	31.197		
7,500.00	7,089.23	7,122.23	7,122.23	36.01	246.91	27.21	-986.85	-8,574.58	8,693.67	8,413.12	280.55	30.988		
7,550.00	7,094.06	7,127.06	7,127.06	36.44	247.08	44.12	-986.85	-8,574.58	8,644.02	8,363.30	280.72	30.792		
7,601.12	7,095.00	7,128.00	7,128.00	36.93	247.12	116.21	-986.85	-8,574.58	8,592.99	8,312.23	280.76	30.606		
7,700.00	7,092.92	7,125.92	7,125.92	38.05	247.04	115.94	-986.85	-8,574.58	8,494.22	8,213.52	280.70	30.261		
7,800.00	7,090.81	7,123.81	7,123.81	39.40	246.97	115.68	-986.85	-8,574.58	8,394.33	8,113.70	280.64	29.912		
7,900.00	7,088.70	7,121.70	7,121.70	40.93	246.90	115.41	-986.85	-8,574.58	8,294.45	8,013.88	280.58	29.562		
8,000.00	7,086.59	7,119.59	7,119.59	42.61	246.82	115.14	-986.85	-8,574.58	8,194.58	7,914.05	280.52	29.212		
8,100.00	7,084.49	7,117.49	7,117.49	44.41	246.75	114.87	-986.85	-8,574.58	8,094.70	7,814.23	280.47	28.862		
8,200.00	7,082.38	7,115.38	7,115.38	46.33	246.67	114.60	-986.85	-8,574.58	7,994.83	7,714.42	280.41	28.511		
8,300.00	7,080.27	7,113.27	7,113.27	48.34	246.60	114.33	-986.85	-8,574.58	7,894.96	7,614.60	280.36	28.160		
8,400.00	7,078.16	7,111.16	7,111.16	50.43	246.53	114.06	-986.85	-8,574.58	7,795.09	7,514.78	280.31	27.809		
8,500.00	7,076.05	7,109.05	7,109.05	52.59	246.45	113.78	-986.85	-8,574.58	7,695.22	7,414.96	280.26	27.457		
8,600.00	7,073.94	7,106.94	7,106.94	54.82	246.38	113.51	-986.85	-8,574.58	7,595.36	7,315.15	280.22	27.105		
8,700.00	7,071.84	7,104.84	7,104.84	57.10	246.31	113.23	-986.85	-8,574.58	7,495.50	7,215.33	280.17	26.753		
8,800.00	7,069.73	7,102.73	7,102.73	59.44	246.23	112.95	-986.85	-8,574.58	7,395.65	7,115.52	280.13	26.401		
8,900.00	7,067.62	7,100.62	7,100.62	61.81	246.16	112.67	-986.85	-8,574.58	7,295.79	7,015.70	280.09	26.048		
9,000.00	7,065.51	7,101.49	7,098.51	64.23	246.19	112.39	-986.85	-8,574.58	7,195.95	6,915.78	280.16	25.685		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	7,103.60	7,096.40	66.68	246.26	112.11	-986.85	-8,574.58	7,096.10	6,815.83	280.27	25.318		
9,200.00	7,061.29	7,105.71	7,094.29	69.15	246.34	111.83	-986.85	-8,574.58	6,996.26	6,715.87	280.39	24.952		
9,300.00	7,059.18	7,107.82	7,092.18	71.66	246.41	111.54	-986.85	-8,574.58	6,896.42	6,615.91	280.51	24.585		
9,400.00	7,057.08	7,109.92	7,090.08	74.19	246.48	111.26	-986.85	-8,574.58	6,796.59	6,515.96	280.63	24.219		
9,500.00	7,054.97	7,087.97	7,087.97	76.75	245.72	110.97	-986.85	-8,574.58	6,696.76	6,416.84	279.91	23.924		
9,600.00	7,052.86	7,085.86	7,085.86	79.32	245.64	110.69	-986.85	-8,574.58	6,596.93	6,317.04	279.90	23.569		
9,700.00	7,050.75	7,083.75	7,083.75	81.91	245.57	110.40	-986.85	-8,574.58	6,497.11	6,217.23	279.88	23.214		
9,800.00	7,048.64	7,081.64	7,081.64	84.52	245.50	110.11	-986.85	-8,574.58	6,397.30	6,117.43	279.87	22.858		
9,900.00	7,046.53	7,079.53	7,079.53	87.14	245.42	109.82	-986.85	-8,574.58	6,297.49	6,017.63	279.86	22.502		
10,000.00	7,044.43	7,077.43	7,077.43	89.78	245.35	109.53	-986.85	-8,574.58	6,197.68	5,917.83	279.85	22.146		
10,100.00	7,042.32	7,075.32	7,075.32	92.43	245.28	109.24	-986.85	-8,574.58	6,097.89	5,818.04	279.85	21.790		
10,200.00	7,040.21	7,073.21	7,073.21	95.09	245.20	108.94	-986.85	-8,574.58	5,998.09	5,718.24	279.85	21.433		
10,300.00	7,038.10	7,071.10	7,071.10	97.76	245.13	108.65	-986.85	-8,574.58	5,898.31	5,618.45	279.86	21.076		
10,400.00	7,035.99	7,068.99	7,068.99	100.44	245.06	108.35	-986.85	-8,574.58	5,798.53	5,518.65	279.87	20.718		
10,500.00	7,033.88	7,066.88	7,066.88	103.13	244.98	108.06	-986.85	-8,574.58	5,698.75	5,418.86	279.89	20.361		
10,600.00	7,031.78	7,064.78	7,064.78	105.82	244.91	107.76	-986.85	-8,574.58	5,598.99	5,319.08	279.91	20.003		
10,700.00	7,029.67	7,062.67	7,062.67	108.53	244.83	107.46	-986.85	-8,574.58	5,499.23	5,219.29	279.94	19.644		
10,800.00	7,027.56	7,060.56	7,060.56	111.24	244.76	107.16	-986.85	-8,574.58	5,399.48	5,119.51	279.97	19.286		
10,900.00	7,025.45	7,058.45	7,058.45	113.96	244.69	106.86	-986.85	-8,574.58	5,299.74	5,019.73	280.01	18.927		
11,000.00	7,023.34	7,056.34	7,056.34	116.68	244.61	106.56	-986.85	-8,574.58	5,200.01	4,919.95	280.06	18.567		
11,100.00	7,021.23	7,054.23	7,054.23	119.41	244.54	106.26	-986.85	-8,574.58	5,100.28	4,820.17	280.12	18.208		
11,200.00	7,019.13	7,052.13	7,052.13	122.15	244.47	105.96	-986.85	-8,574.58	5,000.57	4,720.39	280.18	17.848		
11,300.00	7,017.02	7,050.02	7,050.02	124.89	244.39	105.65	-986.85	-8,574.58	4,900.87	4,620.62	280.25	17.488		
11,400.00	7,014.91	7,047.91	7,047.91	127.63	244.32	105.35	-986.85	-8,574.58	4,801.18	4,520.85	280.33	17.127		
11,500.00	7,012.80	7,045.80	7,045.80	130.38	244.25	105.04	-986.85	-8,574.58	4,701.50	4,421.08	280.42	16.766		
11,600.00	7,010.69	7,043.69	7,043.69	133.14	244.17	104.73	-986.85	-8,574.58	4,601.84	4,321.32	280.52	16.405		
11,700.00	7,008.58	7,041.58	7,041.58	135.89	244.10	104.43	-986.85	-8,574.58	4,502.19	4,221.56	280.63	16.043		
11,800.00	7,006.47	7,039.47	7,039.47	138.65	244.03	104.12	-986.85	-8,574.58	4,402.55	4,121.80	280.76	15.681		
11,900.00	7,004.37	7,037.37	7,037.37	141.42	243.95	103.81	-986.85	-8,574.58	4,302.93	4,022.04	280.89	15.319		
12,000.00	7,002.26	7,035.26	7,035.26	144.19	243.88	103.50	-986.85	-8,574.58	4,203.33	3,922.28	281.05	14.956		
12,100.00	7,000.15	7,033.15	7,033.15	146.96	243.80	103.19	-986.85	-8,574.58	4,103.74	3,822.53	281.22	14.593		
12,200.00	6,998.04	7,031.04	7,031.04	149.73	243.73	102.88	-986.85	-8,574.58	4,004.18	3,722.78	281.40	14.229		
12,300.00	6,995.93	7,028.93	7,028.93	152.51	243.66	102.56	-986.85	-8,574.58	3,904.63	3,623.02	281.61	13.865		
12,400.00	6,993.82	7,026.82	7,026.82	155.28	243.58	102.25	-986.85	-8,574.58	3,805.11	3,523.28	281.84	13.501		
12,500.00	6,991.72	7,024.72	7,024.72	158.06	243.51	101.94	-986.85	-8,574.58	3,705.61	3,423.53	282.09	13.136		
12,600.00	6,989.61	7,022.61	7,022.61	160.85	243.44	101.62	-986.85	-8,574.58	3,606.14	3,323.78	282.36	12.771		
12,700.00	6,987.50	7,020.50	7,020.50	163.63	243.36	101.31	-986.85	-8,574.58	3,506.70	3,224.03	282.67	12.406		
12,800.00	6,985.39	7,018.39	7,018.39	166.42	243.29	100.99	-986.85	-8,574.58	3,407.29	3,124.29	283.01	12.040		
12,900.00	6,983.28	7,016.28	7,016.28	169.21	243.22	100.67	-986.85	-8,574.58	3,307.92	3,024.54	283.38	11.673		
13,000.00	6,981.17	7,014.17	7,014.17	172.00	243.14	100.36	-986.85	-8,574.58	3,208.58	2,924.79	283.79	11.306		
13,100.00	6,979.07	7,012.07	7,012.07	174.79	243.07	100.04	-986.85	-8,574.58	3,109.28	2,825.04	284.24	10.939		
13,200.00	6,976.96	7,009.96	7,009.96	177.59	242.99	99.72	-986.85	-8,574.58	3,010.03	2,725.28	284.75	10.571		
13,300.00	6,974.85	7,007.85	7,007.85	180.38	242.92	99.40	-986.85	-8,574.58	2,910.82	2,625.52	285.30	10.203		
13,400.00	6,972.74	7,005.74	7,005.74	183.18	242.85	99.08	-986.85	-8,574.58	2,811.68	2,525.75	285.92	9.834		
13,500.00	6,970.63	7,003.63	7,003.63	185.98	242.77	98.76	-986.85	-8,574.58	2,712.59	2,425.98	286.61	9.464		
13,600.00	6,968.52	7,001.52	7,001.52	188.78	242.70	98.44	-986.85	-8,574.58	2,613.57	2,326.19	287.38	9.094		
13,700.00	6,966.41	7,000.59	6,999.41	191.58	242.67	98.12	-986.85	-8,574.58	2,514.63	2,226.35	288.28	8.723		
13,800.00	6,964.31	7,002.69	6,997.31	194.39	242.74	97.79	-986.85	-8,574.58	2,415.77	2,126.38	289.38	8.348		
13,900.00	6,962.20	7,004.80	6,995.20	197.19	242.81	97.47	-986.85	-8,574.58	2,317.00	2,026.40	290.60	7.973		
14,000.00	6,960.09	7,006.91	6,993.09	200.00	242.89	97.15	-986.85	-8,574.58	2,218.35	1,926.39	291.96	7.598		
14,100.00	6,957.98	7,009.02	6,990.98	202.80	242.96	96.82	-986.85	-8,574.58	2,119.82	1,826.36	293.47	7.223		
14,200.00	6,955.87	6,988.87	6,988.87	205.61	242.26	96.50	-986.85	-8,574.58	2,021.43	1,727.06	294.37	6.867		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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
14,300.00	6,953.76	6,986.76	6,986.76	208.42	242.19	96.18	-986.85	-8,574.58	1,923.21	1,627.09	296.12	6.495	
14,400.00	6,951.66	6,984.66	6,984.66	211.23	242.11	95.85	-986.85	-8,574.58	1,825.18	1,527.07	298.11	6.123	
14,500.00	6,949.55	6,982.55	6,982.55	214.04	242.04	95.53	-986.85	-8,574.58	1,727.37	1,426.99	300.38	5.751	
14,600.00	6,947.44	6,980.44	6,980.44	216.85	241.96	95.20	-986.85	-8,574.58	1,629.82	1,326.84	302.98	5.379	
14,700.00	6,945.33	6,978.33	6,978.33	219.66	241.89	94.88	-986.85	-8,574.58	1,532.59	1,226.60	305.99	5.009	
14,800.00	6,943.22	6,976.22	6,976.22	222.48	241.82	94.55	-986.85	-8,574.58	1,435.73	1,126.26	309.48	4.639	
14,900.00	6,941.11	6,974.11	6,974.11	225.29	241.74	94.22	-986.85	-8,574.58	1,339.34	1,025.79	313.55	4.272	
15,000.00	6,939.01	6,972.01	6,972.01	228.11	241.67	93.90	-986.85	-8,574.58	1,243.50	925.18	318.33	3.906	
15,100.00	6,936.90	6,969.90	6,969.90	230.92	241.60	93.57	-986.85	-8,574.58	1,148.38	824.40	323.98	3.545	
15,200.00	6,934.79	6,967.79	6,967.79	233.74	241.52	93.24	-986.85	-8,574.58	1,054.15	723.44	330.72	3.187	
15,300.00	6,932.68	6,965.68	6,965.68	236.56	241.45	92.91	-986.85	-8,574.58	961.09	622.27	338.82	2.837	
15,400.00	6,930.57	6,963.57	6,963.57	239.37	241.38	92.59	-986.85	-8,574.58	869.57	520.91	348.66	2.494	
15,500.00	6,928.46	6,961.46	6,961.46	242.19	241.30	92.26	-986.85	-8,574.58	780.12	419.42	360.70	2.163	
15,521.99	6,928.00	6,961.00	6,961.00	242.81	241.29	92.19	-986.85	-8,574.58	760.80	397.11	363.70	2.092	CC, ES, SF

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-102.69	-1,224.53	-5,440.28	5,576.39					
100.00	100.00	63.67	63.67	3.28	3.28	-102.68	-1,224.39	-5,440.55	5,576.77	5,570.20	6.57	849.097		
200.00	200.00	154.84	154.83	3.34	3.31	-102.68	-1,223.85	-5,441.58	5,577.73	5,571.08	6.65	838.912		
300.00	299.98	264.11	264.10	3.44	3.41	110.69	-1,223.34	-5,442.51	5,579.07	5,572.22	6.85	814.772		
400.00	399.84	381.70	381.68	3.59	3.58	110.71	-1,222.82	-5,443.37	5,581.55	5,574.38	7.17	778.808		
500.00	499.45	491.31	491.29	3.79	3.79	110.75	-1,222.26	-5,443.82	5,584.93	5,577.35	7.58	737.086		
600.00	598.70	607.89	607.86	4.04	4.06	110.81	-1,221.47	-5,444.07	5,589.35	5,581.26	8.09	690.652		
700.00	697.47	714.86	714.83	4.32	4.35	110.88	-1,220.40	-5,444.13	5,594.81	5,586.15	8.66	645.804		
773.50	769.68	776.07	776.04	4.55	4.52	110.91	-1,219.78	-5,444.20	5,599.69	5,590.62	9.07	617.133		
800.00	795.65	799.08	799.04	4.64	4.59	110.95	-1,219.55	-5,444.24	5,601.60	5,592.37	9.23	606.821		
900.00	893.65	890.69	890.65	5.00	4.88	111.14	-1,218.57	-5,444.51	5,608.94	5,599.07	9.87	568.468		
1,000.00	991.65	993.18	993.11	5.38	5.21	111.35	-1,216.32	-5,445.08	5,616.36	5,605.78	10.58	530.841		
1,100.00	1,089.66	1,048.13	1,048.01	5.78	5.40	111.48	-1,213.95	-5,445.77	5,624.16	5,612.99	11.17	503.466		
1,200.00	1,187.66	1,100.00	1,099.76	6.20	5.59	111.61	-1,210.72	-5,447.07	5,632.84	5,621.07	11.77	478.571		
1,300.00	1,285.66	1,170.67	1,170.12	6.63	5.88	111.81	-1,204.69	-5,449.60	5,642.23	5,629.75	12.48	452.026		
1,400.00	1,383.67	1,250.72	1,249.56	7.07	6.25	112.06	-1,195.48	-5,453.23	5,652.13	5,638.85	13.28	425.671		
1,500.00	1,481.67	1,356.24	1,353.67	7.51	6.80	112.42	-1,179.36	-5,458.83	5,662.30	5,648.04	14.26	396.965		
1,600.00	1,579.67	1,471.25	1,466.42	7.97	7.47	112.86	-1,157.56	-5,465.18	5,672.27	5,656.89	15.38	368.723		
1,700.00	1,677.67	1,626.96	1,617.49	8.43	8.51	113.51	-1,120.95	-5,473.89	5,681.93	5,665.04	16.88	336.527		
1,800.00	1,775.68	1,800.00	1,761.35	8.90	9.85	114.21	-1,077.76	-5,481.56	5,690.62	5,671.94	18.68	304.557		
1,900.00	1,873.68	1,850.00	1,829.98	9.37	10.29	114.57	-1,054.38	-5,485.27	5,699.39	5,679.80	19.58	291.012		
2,000.00	1,971.68	1,900.00	1,876.90	9.84	10.73	114.83	-1,037.39	-5,488.34	5,709.18	5,688.70	20.49	278.677		
2,100.00	2,069.69	1,943.41	1,917.48	10.32	11.14	115.06	-1,022.27	-5,491.35	5,720.01	5,698.66	21.35	267.926		
2,200.00	2,167.69	2,000.00	1,970.18	10.80	11.67	115.36	-1,002.09	-5,495.70	5,731.84	5,709.50	22.34	256.602		
2,300.00	2,265.69	2,069.34	2,034.41	11.28	12.35	115.73	-976.61	-5,501.36	5,744.48	5,721.00	23.48	244.692		
2,400.00	2,363.69	2,140.23	2,099.79	11.77	13.06	116.12	-949.85	-5,507.27	5,757.71	5,733.07	24.63	233.736		
2,500.00	2,461.70	2,207.30	2,161.68	12.25	13.72	116.48	-924.67	-5,513.07	5,771.69	5,745.93	25.75	224.137		
2,600.00	2,559.70	2,300.58	2,247.98	12.74	14.62	116.98	-890.17	-5,521.12	5,786.19	5,759.09	27.10	213.503		
2,700.00	2,657.70	2,365.14	2,307.79	13.23	15.23	117.33	-866.51	-5,526.73	5,801.24	5,773.09	28.16	206.045		
2,800.00	2,755.71	2,441.55	2,378.56	13.72	15.94	117.73	-838.53	-5,533.58	5,817.00	5,787.69	29.32	198.428		
2,900.00	2,853.71	2,555.94	2,484.60	14.21	17.00	118.33	-796.83	-5,543.65	5,833.13	5,802.31	30.83	189.224		
3,000.00	2,951.71	2,647.67	2,569.36	14.70	17.86	118.82	-762.60	-5,551.23	5,849.21	5,817.08	32.13	182.056		
3,100.00	3,049.71	2,700.00	2,617.60	15.20	18.35	119.10	-742.80	-5,555.66	5,865.98	5,832.93	33.06	177.451		
3,200.00	3,147.72	2,763.33	2,675.99	15.69	18.95	119.43	-718.93	-5,561.30	5,883.57	5,849.49	34.09	172.603		
3,300.00	3,245.72	2,851.24	2,757.19	16.19	19.77	119.90	-686.27	-5,569.53	5,902.00	5,866.66	35.34	166.984		
3,400.00	3,343.72	3,004.96	2,899.27	16.69	21.19	120.70	-629.07	-5,582.62	5,920.16	5,882.96	37.20	159.131		
3,500.00	3,441.73	3,103.51	2,990.82	17.18	22.04	121.20	-593.45	-5,590.35	5,938.22	5,899.72	38.49	154.271		
3,600.00	3,539.73	3,149.62	3,033.82	17.68	22.43	121.43	-577.23	-5,594.07	5,956.87	5,917.57	39.30	151.591		
3,700.00	3,637.73	3,200.00	3,080.85	18.18	22.85	121.67	-559.68	-5,598.45	5,976.45	5,936.32	40.13	148.918		
3,800.00	3,735.73	3,296.99	3,171.16	18.68	23.68	122.16	-525.37	-5,607.04	5,996.61	5,955.23	41.39	144.892		
3,900.00	3,833.74	3,462.12	3,324.39	19.18	25.10	122.98	-465.16	-5,619.70	6,015.95	5,972.70	43.25	139.093		
4,000.00	3,931.74	3,500.00	3,359.57	19.67	25.42	123.17	-451.39	-5,622.50	6,035.90	5,991.93	43.98	137.253		
4,100.00	4,029.74	3,544.28	3,400.69	20.17	25.81	123.39	-435.35	-5,626.10	6,056.84	6,012.09	44.76	135.323		
4,200.00	4,127.75	3,600.00	3,452.38	20.67	26.30	123.67	-415.24	-5,631.44	6,079.14	6,033.50	45.64	133.202		
4,300.00	4,225.75	3,671.30	3,518.41	21.18	26.95	124.02	-389.29	-5,638.50	6,102.22	6,055.55	46.67	130.748		
4,400.00	4,323.75	3,819.46	3,655.16	21.68	28.29	124.76	-333.73	-5,651.33	6,124.73	6,076.30	48.43	126.460		
4,500.00	4,421.76	3,907.38	3,735.99	22.18	29.10	125.20	-299.91	-5,658.49	6,147.39	6,097.76	49.63	123.855		
4,600.00	4,519.76	4,011.10	3,831.23	22.68	30.06	125.72	-259.65	-5,666.66	6,170.30	6,119.32	50.99	121.016		
4,700.00	4,617.76	4,057.71	3,874.00	23.18	30.50	125.96	-241.53	-5,670.42	6,193.78	6,141.99	51.79	119.592		
4,800.00	4,715.76	4,120.84	3,931.94	23.68	31.09	126.27	-217.02	-5,675.82	6,218.07	6,165.32	52.74	117.892		
4,900.00	4,813.77	4,221.42	4,024.73	24.18	32.00	126.76	-179.17	-5,684.44	6,242.66	6,188.62	54.04	115.529		
5,000.00	4,911.77	4,293.00	4,090.91	24.69	32.63	127.10	-152.62	-5,690.63	6,267.66	6,212.63	55.03	113.888		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	4,414.43	4,203.18	25.19	33.71	127.68	-107.52	-5,700.85	6,292.84	6,236.35	56.49	111.405		
5,200.00	5,107.78	4,487.80	4,271.04	25.69	34.35	128.03	-80.26	-5,706.88	6,318.24	6,260.76	57.49	109.907		
5,300.00	5,205.78	4,546.64	4,325.42	26.19	34.87	128.31	-58.36	-5,711.85	6,344.24	6,285.88	58.35	108.719		
5,400.00	5,303.78	4,605.51	4,379.76	26.70	35.40	128.58	-36.32	-5,717.07	6,370.96	6,311.74	59.22	107.586		
5,500.00	5,401.78	4,719.92	4,485.66	27.20	36.41	129.11	5.78	-5,727.17	6,397.90	6,337.31	60.59	105.602		
5,600.00	5,499.79	4,789.33	4,550.12	27.70	37.00	129.43	30.76	-5,733.37	6,425.17	6,363.65	61.52	104.446		
5,700.00	5,597.79	4,860.87	4,616.51	28.21	37.63	129.75	56.60	-5,739.89	6,452.95	6,390.48	62.47	103.292		
5,800.00	5,695.79	4,963.63	4,711.43	28.71	38.54	130.22	94.89	-5,749.06	6,481.15	6,417.42	63.73	101.700		
5,900.00	5,793.80	5,042.80	4,784.44	29.22	39.25	130.58	124.75	-5,755.77	6,509.38	6,444.62	64.76	100.510		
6,000.00	5,891.80	5,101.07	4,838.23	29.72	39.78	130.84	146.57	-5,760.96	6,538.25	6,472.65	65.60	99.675		
6,100.00	5,989.80	5,209.66	4,938.69	30.22	40.74	131.33	186.62	-5,770.76	6,567.45	6,500.56	66.89	98.183		
6,200.00	6,087.80	5,317.61	5,038.73	30.73	41.68	131.80	226.04	-5,780.18	6,596.67	6,528.51	68.16	96.788		
6,300.00	6,185.81	5,364.81	5,082.41	31.23	42.09	132.01	243.43	-5,784.37	6,626.35	6,557.48	68.87	96.222		
6,400.00	6,283.81	5,445.46	5,156.88	31.74	42.81	132.36	273.52	-5,791.67	6,656.63	6,586.74	69.89	95.245		
6,500.00	6,381.81	5,551.12	5,254.33	32.24	43.76	132.83	313.34	-5,800.78	6,686.97	6,615.82	71.14	93.991		
6,520.79	6,402.19	5,570.24	5,272.03	32.35	43.92	132.91	320.36	-5,802.45	6,693.29	6,621.92	71.38	93.775		
6,550.00	6,430.87	5,597.38	5,297.21	32.49	44.16	120.48	330.20	-5,804.85	6,701.57	6,629.87	71.70	93.464		
6,600.00	6,480.12	5,724.09	5,414.62	32.72	45.24	95.50	376.78	-5,814.95	6,712.49	6,639.52	72.97	91.994		
6,650.00	6,529.30	6,180.03	5,848.03	32.93	48.17	74.04	514.17	-5,842.09	6,717.75	6,641.43	76.33	88.014		
6,700.00	6,578.09	6,375.88	6,039.84	33.12	48.97	58.73	552.46	-5,851.01	6,717.84	6,640.45	77.39	86.805		
6,750.00	6,626.21	6,904.29	6,565.17	33.30	50.48	50.13	603.06	-5,864.46	6,713.38	6,634.04	79.33	84.623		
6,800.00	6,673.34	6,956.46	6,617.32	33.46	50.61	43.96	604.61	-5,864.57	6,702.09	6,622.50	79.59	84.204		
6,850.00	6,719.21	7,008.83	6,669.68	33.61	50.74	40.01	605.61	-5,864.78	6,687.15	6,607.31	79.84	83.761		
6,900.00	6,763.53	7,056.87	6,717.72	33.75	50.85	37.48	606.31	-5,864.98	6,668.65	6,588.60	80.05	83.307		
6,950.00	6,806.03	7,103.35	6,764.19	33.89	50.96	35.94	606.92	-5,865.17	6,646.74	6,566.50	80.24	82.836		
7,000.00	6,846.44	7,140.42	6,801.26	34.02	51.05	35.12	607.40	-5,865.32	6,621.57	6,541.18	80.39	82.367		
7,050.00	6,884.52	7,175.85	6,836.68	34.15	51.14	34.91	607.88	-5,865.47	6,593.32	6,512.80	80.52	81.881		
7,100.00	6,920.03	7,209.48	6,870.31	34.27	51.22	35.26	608.34	-5,865.63	6,562.17	6,481.53	80.64	81.377		
7,150.00	6,952.75	7,241.88	6,902.71	34.40	51.30	36.15	608.81	-5,865.78	6,528.29	6,447.55	80.74	80.853		
7,200.00	6,982.48	7,271.33	6,932.15	34.54	51.38	37.63	609.26	-5,865.91	6,491.90	6,411.07	80.83	80.314		
7,250.00	7,009.04	7,297.65	6,958.47	34.70	51.44	39.76	609.67	-5,866.02	6,453.23	6,372.32	80.91	79.760		
7,300.00	7,032.26	7,315.02	6,975.84	34.87	51.48	42.63	609.94	-5,866.11	6,412.51	6,331.56	80.96	79.209		
7,350.00	7,052.00	7,329.34	6,990.15	35.08	51.52	46.48	610.16	-5,866.19	6,370.02	6,289.02	81.00	78.643		
7,400.00	7,068.14	7,341.15	7,001.96	35.34	51.55	51.59	610.33	-5,866.28	6,326.00	6,244.96	81.04	78.063		
7,450.00	7,080.57	7,350.00	7,010.81	35.65	51.57	58.32	610.46	-5,866.34	6,280.72	6,199.64	81.07	77.471		
7,500.00	7,089.23	7,350.00	7,010.81	36.01	51.57	66.92	610.46	-5,866.34	6,234.44	6,153.35	81.09	76.885		
7,550.00	7,094.06	7,350.00	7,010.81	36.44	51.57	77.81	610.46	-5,866.34	6,187.45	6,106.34	81.11	76.282		
7,601.12	7,095.00	7,350.00	7,010.81	36.93	51.57	91.05	610.46	-5,866.34	6,138.97	6,057.82	81.15	75.649		
7,700.00	7,092.92	7,350.00	7,010.81	38.05	51.57	91.05	610.46	-5,866.34	6,045.00	5,963.75	81.25	74.402		
7,800.00	7,090.81	7,350.00	7,010.81	39.40	51.57	91.05	610.46	-5,866.34	5,950.14	5,868.76	81.38	73.118		
7,900.00	7,088.70	7,350.00	7,010.81	40.93	51.57	91.05	610.46	-5,866.34	5,855.44	5,773.90	81.54	71.810		
8,000.00	7,086.59	7,350.00	7,010.81	42.61	51.57	91.05	610.46	-5,866.34	5,760.93	5,679.19	81.74	70.479		
8,100.00	7,084.49	7,350.00	7,010.81	44.41	51.57	91.05	610.46	-5,866.34	5,666.61	5,584.63	81.98	69.124		
8,200.00	7,082.38	7,350.00	7,010.81	46.33	51.57	91.05	610.46	-5,866.34	5,572.48	5,490.22	82.26	67.745		
8,300.00	7,080.27	7,350.00	7,010.81	48.34	51.57	91.05	610.46	-5,866.34	5,478.56	5,395.98	82.58	66.344		
8,400.00	7,078.16	7,350.00	7,010.81	50.43	51.57	91.05	610.46	-5,866.34	5,384.86	5,301.91	82.95	64.919		
8,500.00	7,076.05	7,350.00	7,010.81	52.59	51.57	91.05	610.46	-5,866.34	5,291.39	5,208.02	83.37	63.472		
8,600.00	7,073.94	7,350.00	7,010.81	54.82	51.57	91.05	610.46	-5,866.34	5,198.16	5,114.33	83.83	62.005		
8,700.00	7,071.84	7,350.00	7,010.81	57.10	51.57	91.05	610.46	-5,866.34	5,105.19	5,020.83	84.36	60.518		
8,800.00	7,069.73	7,350.00	7,010.81	59.44	51.57	91.05	610.46	-5,866.34	5,012.49	4,927.55	84.94	59.012		
8,900.00	7,067.62	7,350.00	7,010.81	61.81	51.57	91.05	610.46	-5,866.34	4,920.08	4,834.50	85.58	57.490		
9,000.00	7,065.51	7,347.88	7,008.69	64.23	51.56	90.99	610.43	-5,866.33	4,827.97	4,741.69	86.28	55.957		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	7,063.40	7,346.80	7,007.61	66.68	51.56	90.96	610.41	-5,866.32	4,736.17	4,649.13	87.05	54.410		
9,200.00	7,061.29	7,345.71	7,006.53	69.15	51.56	90.92	610.40	-5,866.31	4,644.72	4,556.84	87.88	52.851		
9,300.00	7,059.18	7,344.61	7,005.42	71.66	51.56	90.89	610.38	-5,866.30	4,553.63	4,464.83	88.79	51.284		
9,400.00	7,057.08	7,343.50	7,004.31	74.19	51.55	90.86	610.37	-5,866.29	4,462.91	4,373.14	89.78	49.711		
9,500.00	7,054.97	7,342.37	7,003.18	76.75	51.55	90.82	610.35	-5,866.28	4,372.60	4,281.76	90.84	48.136		
9,600.00	7,052.86	7,341.22	7,002.04	79.32	51.55	90.79	610.33	-5,866.28	4,282.72	4,190.74	91.98	46.559		
9,700.00	7,050.75	7,340.07	7,000.88	81.91	51.55	90.75	610.32	-5,866.27	4,193.30	4,100.09	93.22	44.985		
9,800.00	7,048.64	7,338.90	6,999.71	84.52	51.54	90.72	610.30	-5,866.26	4,104.37	4,009.83	94.54	43.416		
9,900.00	7,046.53	7,337.71	6,998.53	87.14	51.54	90.68	610.28	-5,866.25	4,015.96	3,920.01	95.95	41.855		
10,000.00	7,044.43	7,336.51	6,997.33	89.78	51.54	90.65	610.27	-5,866.24	3,928.10	3,830.64	97.46	40.305		
10,100.00	7,042.32	7,335.30	6,996.11	92.43	51.53	90.61	610.25	-5,866.23	3,840.84	3,741.77	99.07	38.769		
10,200.00	7,040.21	7,334.06	6,994.88	95.09	51.53	90.57	610.23	-5,866.22	3,754.21	3,653.42	100.79	37.250		
10,300.00	7,038.10	7,332.82	6,993.63	97.76	51.53	90.54	610.21	-5,866.22	3,668.26	3,565.65	102.61	35.750		
10,400.00	7,035.99	7,331.55	6,992.37	100.44	51.52	90.50	610.19	-5,866.21	3,583.04	3,478.49	104.55	34.272		
10,500.00	7,033.88	7,330.28	6,991.09	103.13	51.52	90.46	610.17	-5,866.20	3,498.60	3,392.00	106.60	32.819		
10,600.00	7,031.78	7,328.98	6,989.80	105.82	51.52	90.42	610.15	-5,866.19	3,415.00	3,306.22	108.78	31.393		
10,700.00	7,029.67	7,327.67	6,988.48	108.53	51.51	90.38	610.14	-5,866.18	3,332.31	3,221.22	111.09	29.997		
10,800.00	7,027.56	7,326.34	6,987.15	111.24	51.51	90.34	610.12	-5,866.17	3,250.59	3,137.06	113.52	28.633		
10,900.00	7,025.45	7,324.99	6,985.80	113.96	51.51	90.30	610.09	-5,866.17	3,169.91	3,053.81	116.10	27.304		
11,000.00	7,023.34	7,323.62	6,984.44	116.68	51.50	90.26	610.07	-5,866.16	3,090.36	2,971.55	118.81	26.010		
11,100.00	7,021.23	7,322.24	6,983.05	119.41	51.50	90.22	610.05	-5,866.15	3,012.04	2,890.36	121.68	24.755		
11,200.00	7,019.13	7,320.83	6,981.65	122.15	51.50	90.17	610.03	-5,866.14	2,935.03	2,810.34	124.69	23.539		
11,300.00	7,017.02	7,319.41	6,980.23	124.89	51.49	90.13	610.01	-5,866.13	2,859.44	2,731.59	127.85	22.365		
11,400.00	7,014.91	7,317.97	6,978.79	127.63	51.49	90.09	609.99	-5,866.12	2,785.39	2,654.22	131.17	21.235		
11,500.00	7,012.80	7,316.50	6,977.32	130.38	51.49	90.04	609.97	-5,866.12	2,713.00	2,578.35	134.65	20.148		
11,600.00	7,010.69	7,315.02	6,975.84	133.14	51.48	90.00	609.94	-5,866.11	2,642.42	2,504.13	138.29	19.107		
11,700.00	7,008.58	7,313.52	6,974.34	135.89	51.48	89.95	609.92	-5,866.10	2,573.78	2,431.69	142.09	18.113		
11,800.00	7,006.47	7,311.99	6,972.81	138.65	51.48	89.91	609.90	-5,866.09	2,507.26	2,361.21	146.05	17.167		
11,900.00	7,004.37	7,310.45	6,971.26	141.42	51.47	89.86	609.87	-5,866.08	2,443.02	2,292.85	150.16	16.269		
12,000.00	7,002.26	7,308.88	6,969.70	144.19	51.47	89.81	609.85	-5,866.08	2,381.24	2,226.82	154.42	15.420		
12,100.00	7,000.15	7,307.30	6,968.12	146.96	51.46	89.77	609.82	-5,866.07	2,322.13	2,163.31	158.82	14.621		
12,200.00	6,998.04	7,305.67	6,966.49	149.73	51.46	89.72	609.80	-5,866.06	2,265.88	2,102.54	163.34	13.872		
12,300.00	6,995.93	7,304.03	6,964.85	152.51	51.46	89.67	609.77	-5,866.05	2,212.73	2,044.76	167.97	13.173		
12,400.00	6,993.82	7,302.37	6,963.19	155.28	51.45	89.62	609.74	-5,866.04	2,162.90	1,990.21	172.69	12.525		
12,500.00	6,991.72	7,300.68	6,961.50	158.06	51.45	89.57	609.72	-5,866.04	2,116.62	1,939.15	177.47	11.927		
12,600.00	6,989.61	7,299.00	6,959.82	160.85	51.44	89.51	609.69	-5,866.03	2,074.13	1,891.85	182.29	11.378		
12,700.00	6,987.50	7,297.35	6,958.17	163.63	51.44	89.46	609.66	-5,866.02	2,035.67	1,848.57	187.10	10.880		
12,800.00	6,985.39	7,295.69	6,956.51	166.42	51.44	89.41	609.64	-5,866.01	2,001.47	1,809.59	191.88	10.431		
12,900.00	6,983.28	7,294.04	6,954.86	169.21	51.43	89.36	609.61	-5,866.01	1,971.75	1,775.18	196.57	10.031		
13,000.00	6,981.17	7,292.39	6,953.21	172.00	51.43	89.31	609.59	-5,866.00	1,946.72	1,745.59	201.14	9.679		
13,100.00	6,979.07	7,290.74	6,951.56	174.79	51.42	89.26	609.56	-5,865.99	1,926.56	1,721.04	205.52	9.374		
13,200.00	6,976.96	7,289.09	6,949.91	177.59	51.42	89.21	609.53	-5,865.99	1,911.43	1,701.75	209.68	9.116		
13,300.00	6,974.85	7,287.44	6,948.26	180.38	51.41	89.17	609.51	-5,865.98	1,901.43	1,687.88	213.56	8.904		
13,400.00	6,972.74	7,285.79	6,946.61	183.18	51.41	89.12	609.48	-5,865.97	1,896.67	1,679.56	217.11	8.736		
13,440.55	6,971.89	7,285.12	6,945.95	184.32	51.41	89.10	609.47	-5,865.97	1,896.23	1,677.79	218.45	8.681 CC		
13,500.00	6,970.63	7,284.15	6,944.97	185.98	51.41	89.07	609.46	-5,865.96	1,897.17	1,676.87	220.29	8.612 ES		
13,600.00	6,968.52	7,282.50	6,943.33	188.78	51.40	89.02	609.43	-5,865.96	1,902.92	1,679.85	223.07	8.530		
13,700.00	6,966.41	7,280.86	6,941.68	191.58	51.40	88.97	609.40	-5,865.95	1,913.90	1,688.47	225.43	8.490		
13,800.00	6,964.31	7,279.22	6,940.04	194.39	51.39	88.92	609.38	-5,865.94	1,929.99	1,702.66	227.34	8.490 SF		
13,900.00	6,962.20	7,277.58	6,938.40	197.19	51.39	88.87	609.35	-5,865.94	1,951.09	1,722.28	228.80	8.527		
14,000.00	6,960.09	7,275.94	6,936.76	200.00	51.39	88.82	609.33	-5,865.93	1,977.02	1,747.19	229.83	8.602		
14,100.00	6,957.98	7,274.30	6,935.12	202.80	51.38	88.77	609.30	-5,865.92	2,007.60	1,777.17	230.43	8.712		

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

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

Offset Design Boomerang 21-5 - SOUTH #6-21D - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,955.87	7,272.66	6,933.49	205.61	51.38	88.72	609.28	-5,865.91	2,042.62	1,811.99	230.64	8.856	
14,300.00	6,953.76	7,271.03	6,931.85	208.42	51.37	88.67	609.25	-5,865.91	2,081.86	1,851.38	230.48	9.033	
14,400.00	6,951.66	7,269.39	6,930.22	211.23	51.37	88.62	609.23	-5,865.90	2,125.09	1,895.10	229.99	9.240	
14,500.00	6,949.55	7,267.76	6,928.59	214.04	51.37	88.57	609.20	-5,865.89	2,172.06	1,942.84	229.21	9.476	
14,600.00	6,947.44	7,266.13	6,926.95	216.85	51.36	88.52	609.18	-5,865.88	2,222.53	1,994.35	228.18	9.740	
14,700.00	6,945.33	7,264.50	6,925.32	219.66	51.36	88.47	609.15	-5,865.88	2,276.29	2,049.35	226.93	10.031	
14,800.00	6,943.22	7,262.87	6,923.70	222.48	51.35	88.42	609.13	-5,865.87	2,333.09	2,107.58	225.51	10.346	
14,900.00	6,941.11	7,261.24	6,922.07	225.29	51.35	88.37	609.10	-5,865.86	2,392.72	2,168.79	223.93	10.685	
15,000.00	6,939.01	7,259.62	6,920.44	228.11	51.35	88.32	609.08	-5,865.86	2,454.98	2,232.73	222.24	11.046	
15,100.00	6,936.90	7,257.99	6,918.82	230.92	51.34	88.28	609.05	-5,865.85	2,519.66	2,299.20	220.47	11.429	
15,200.00	6,934.79	7,256.37	6,917.19	233.74	51.34	88.23	609.03	-5,865.84	2,586.60	2,367.98	218.62	11.831	
15,300.00	6,932.68	7,254.74	6,915.57	236.56	51.33	88.18	609.00	-5,865.83	2,655.62	2,438.88	216.73	12.253	
15,400.00	6,930.57	7,253.12	6,913.95	239.37	51.33	88.13	608.98	-5,865.83	2,726.55	2,511.73	214.82	12.692	
15,500.00	6,928.46	7,251.50	6,912.33	242.19	51.33	88.08	608.96	-5,865.82	2,799.26	2,586.37	212.89	13.149	
15,521.99	6,928.00	7,251.15	6,911.97	242.81	51.33	88.07	608.95	-5,865.82	2,815.47	2,603.00	212.47	13.251	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-102.76	-1,231.82	-5,440.28	5,578.00					
100.00	100.00	53.12	53.12	3.28	3.28	-102.76	-1,231.65	-5,440.57	5,578.47	5,571.90	6.57	849.437		
200.00	200.00	107.97	107.96	3.34	3.29	-102.75	-1,231.12	-5,441.46	5,579.82	5,573.19	6.63	841.703		
300.00	299.98	205.47	205.43	3.44	3.36	110.61	-1,229.67	-5,443.53	5,582.18	5,575.39	6.79	821.612		
400.00	399.84	309.50	309.42	3.59	3.48	110.62	-1,228.21	-5,445.73	5,585.78	5,578.71	7.07	790.619		
500.00	499.45	439.89	439.78	3.79	3.70	110.67	-1,226.47	-5,447.94	5,590.22	5,582.73	7.48	746.918		
600.00	598.70	540.99	540.85	4.04	3.92	110.70	-1,224.72	-5,449.44	5,595.63	5,587.68	7.95	704.088		
700.00	697.47	631.66	631.49	4.32	4.15	110.73	-1,222.70	-5,450.99	5,602.42	5,593.97	8.46	662.278		
773.50	769.68	701.46	701.27	4.55	4.34	110.77	-1,221.20	-5,452.22	5,608.30	5,599.42	8.88	631.266		
800.00	795.65	739.03	738.82	4.64	4.45	110.85	-1,220.40	-5,452.85	5,610.52	5,601.44	9.08	617.860		
900.00	893.65	834.28	834.02	5.00	4.73	111.05	-1,217.98	-5,454.26	5,618.71	5,608.99	9.72	577.998		
1,000.00	991.65	900.00	899.70	5.38	4.94	111.20	-1,215.87	-5,455.70	5,627.50	5,617.19	10.31	545.957		
1,100.00	1,089.66	1,002.72	1,002.32	5.78	5.29	111.44	-1,212.38	-5,458.24	5,636.63	5,625.58	11.05	510.219		
1,200.00	1,187.66	1,092.07	1,091.60	6.20	5.60	111.64	-1,209.48	-5,460.37	5,645.78	5,634.01	11.77	479.774		
1,300.00	1,285.66	1,207.25	1,206.69	6.63	6.01	111.89	-1,205.84	-5,463.00	5,654.95	5,642.34	12.60	448.720		
1,400.00	1,383.67	1,273.36	1,272.76	7.07	6.25	112.04	-1,203.91	-5,464.57	5,664.31	5,651.04	13.27	426.703		
1,500.00	1,481.67	1,373.31	1,372.63	7.51	6.62	112.26	-1,201.25	-5,467.21	5,674.08	5,660.00	14.09	402.819		
1,600.00	1,579.67	1,478.97	1,478.23	7.97	7.02	112.49	-1,198.40	-5,469.77	5,683.71	5,668.77	14.93	380.619		
1,700.00	1,677.67	1,605.86	1,605.05	8.43	7.50	112.76	-1,195.03	-5,472.48	5,693.15	5,677.28	15.87	358.629		
1,800.00	1,775.68	1,706.19	1,705.33	8.90	7.89	112.97	-1,192.49	-5,474.29	5,702.37	5,685.65	16.72	340.994		
1,900.00	1,873.68	1,744.42	1,743.53	9.37	8.04	113.06	-1,191.52	-5,475.20	5,712.16	5,694.83	17.33	329.613		
2,000.00	1,971.68	1,800.00	1,799.06	9.84	8.26	113.18	-1,190.06	-5,477.14	5,723.01	5,705.00	18.01	317.783		
2,100.00	2,069.69	1,800.00	1,799.06	10.32	8.26	113.18	-1,190.06	-5,477.14	5,734.96	5,716.50	18.46	310.643		
2,200.00	2,167.69	1,854.05	1,853.00	10.80	8.48	113.30	-1,188.12	-5,479.96	5,747.86	5,728.72	19.14	300.281		
2,300.00	2,265.69	1,900.00	1,898.77	11.28	8.68	113.41	-1,185.72	-5,483.29	5,762.10	5,742.32	19.79	291.200		
2,400.00	2,363.69	1,982.40	1,980.77	11.77	9.04	113.62	-1,180.89	-5,489.80	5,777.11	5,756.51	20.60	280.433		
2,500.00	2,461.70	2,127.23	2,124.87	12.25	9.67	114.00	-1,170.90	-5,500.22	5,791.39	5,769.68	21.71	266.808		
2,600.00	2,559.70	2,200.00	2,197.17	12.74	10.00	114.19	-1,164.75	-5,505.64	5,805.88	5,783.39	22.49	258.114		
2,700.00	2,657.70	2,242.03	2,238.90	13.23	10.19	114.31	-1,161.09	-5,509.06	5,821.09	5,797.95	23.14	251.587		
2,800.00	2,755.71	2,300.00	2,296.43	13.72	10.46	114.47	-1,156.15	-5,514.26	5,837.22	5,813.36	23.86	244.683		
2,900.00	2,853.71	2,344.10	2,340.15	14.21	10.67	114.59	-1,152.27	-5,518.56	5,854.16	5,829.65	24.51	238.850		
3,000.00	2,951.71	2,400.09	2,395.57	14.70	10.94	114.75	-1,146.89	-5,524.41	5,871.87	5,846.65	25.22	232.824		
3,100.00	3,049.71	2,553.87	2,547.67	15.20	11.69	115.20	-1,130.39	-5,539.92	5,889.10	5,862.66	26.44	222.743		
3,200.00	3,147.72	2,624.71	2,617.54	15.69	12.05	115.42	-1,121.28	-5,547.20	5,906.62	5,879.38	27.24	216.808		
3,300.00	3,245.72	2,690.30	2,682.19	16.19	12.39	115.63	-1,112.67	-5,554.25	5,924.72	5,896.69	28.02	211.409		
3,400.00	3,343.72	2,747.88	2,738.91	16.69	12.69	115.81	-1,105.25	-5,560.72	5,943.47	5,914.71	28.76	206.661		
3,500.00	3,441.73	2,800.00	2,790.26	17.18	12.96	115.97	-1,098.74	-5,566.88	5,962.97	5,933.50	29.46	202.396		
3,600.00	3,539.73	2,867.46	2,856.69	17.68	13.31	116.17	-1,090.42	-5,575.21	5,983.13	5,952.88	30.25	197.819		
3,700.00	3,637.73	2,923.94	2,912.25	18.18	13.62	116.35	-1,083.42	-5,582.49	6,003.94	5,972.97	30.97	193.877		
3,800.00	3,735.73	2,973.49	2,960.96	18.68	13.89	116.50	-1,077.28	-5,589.23	6,025.55	5,993.90	31.65	190.383		
3,900.00	3,833.74	3,025.13	3,011.67	19.18	14.17	116.65	-1,070.90	-5,596.62	6,047.97	6,015.63	32.34	187.008		
4,000.00	3,931.74	3,079.26	3,064.79	19.67	14.47	116.81	-1,064.34	-5,604.70	6,071.14	6,038.09	33.04	183.732		
4,100.00	4,029.74	3,190.72	3,174.07	20.17	15.11	117.15	-1,050.55	-5,621.69	6,094.77	6,060.69	34.08	178.830		
4,200.00	4,127.75	3,270.12	3,251.87	20.67	15.57	117.39	-1,040.04	-5,633.64	6,118.30	6,083.36	34.94	175.118		
4,300.00	4,225.75	3,371.75	3,351.36	21.18	16.16	117.71	-1,026.24	-5,649.10	6,142.13	6,106.20	35.93	170.935		
4,400.00	4,323.75	3,531.20	3,507.60	21.68	17.08	118.19	-1,004.34	-5,672.11	6,165.32	6,128.05	37.27	165.423		
4,500.00	4,421.76	3,617.85	3,592.58	22.18	17.57	118.45	-992.54	-5,684.32	6,188.40	6,150.23	38.17	162.129		
4,600.00	4,519.76	3,740.06	3,712.32	22.68	18.27	118.83	-974.77	-5,701.11	6,211.25	6,171.96	39.29	158.088		
4,700.00	4,617.76	3,816.79	3,787.45	23.18	18.71	119.07	-963.31	-5,711.64	6,234.28	6,194.14	40.14	155.319		
4,800.00	4,715.76	3,880.29	3,849.60	23.68	19.08	119.26	-953.80	-5,720.59	6,257.81	6,216.91	40.91	152.982		
4,900.00	4,813.77	4,018.51	3,985.01	24.18	19.87	119.68	-934.06	-5,740.03	6,281.54	6,239.42	42.12	149.122		
5,000.00	4,911.77	4,061.06	4,026.70	24.69	20.12	119.80	-928.08	-5,746.08	6,305.38	6,262.63	42.75	147.479		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	4,117.69	4,082.12	25.19	20.45	119.97	-919.96	-5,754.38	6,329.90	6,286.43	43.47	145.623		
5,200.00	5,107.78	4,178.88	4,142.04	25.69	20.81	120.15	-911.64	-5,763.65	6,355.03	6,310.82	44.21	143.759		
5,300.00	5,205.78	4,272.77	4,234.05	26.19	21.35	120.41	-899.97	-5,778.17	6,380.59	6,335.45	45.14	141.360		
5,400.00	5,303.78	4,351.57	4,311.32	26.70	21.81	120.62	-890.39	-5,790.31	6,406.23	6,360.25	45.98	139.339		
5,500.00	5,401.78	4,483.49	4,440.44	27.20	22.60	120.99	-872.69	-5,810.76	6,432.19	6,385.04	47.15	136.420		
5,600.00	5,499.79	4,556.47	4,511.93	27.70	23.03	121.20	-862.94	-5,821.70	6,457.72	6,409.77	47.96	134.659		
5,700.00	5,597.79	4,711.02	4,663.31	28.21	23.93	121.62	-842.32	-5,845.02	6,483.66	6,434.39	49.27	131.597		
5,800.00	5,695.79	4,826.04	4,775.95	28.71	24.60	121.95	-825.57	-5,861.28	6,508.69	6,458.35	50.34	129.293		
5,900.00	5,793.80	4,933.69	4,881.45	29.22	25.21	122.25	-810.16	-5,876.08	6,533.47	6,482.11	51.36	127.203		
6,000.00	5,891.80	5,776.17	5,716.37	29.72	29.05	124.12	-738.81	-5,950.05	6,558.03	6,501.95	56.08	116.931		
6,100.00	5,989.80	5,985.43	5,925.56	30.22	29.80	124.45	-735.62	-5,953.96	6,571.34	6,513.94	57.40	114.478		
6,200.00	6,087.80	6,081.29	6,021.40	30.73	30.15	124.59	-734.49	-5,954.88	6,583.76	6,525.51	58.25	113.022		
6,300.00	6,185.81	6,204.28	6,144.38	31.23	30.60	124.78	-732.86	-5,955.96	6,596.18	6,536.96	59.21	111.397		
6,400.00	6,283.81	6,299.26	6,239.35	31.74	30.95	124.93	-731.41	-5,956.59	6,608.42	6,548.36	60.06	110.029		
6,500.00	6,381.81	6,377.22	6,317.30	32.24	31.23	125.05	-730.22	-5,957.24	6,620.87	6,560.03	60.84	108.824		
6,520.79	6,402.19	6,393.39	6,333.47	32.35	31.29	125.08	-729.97	-5,957.40	6,623.50	6,562.50	61.00	108.579		
6,550.00	6,430.87	6,420.99	6,361.06	32.49	31.39	112.72	-729.57	-5,957.69	6,626.55	6,565.30	61.25	108.193		
6,600.00	6,480.12	6,471.81	6,411.87	32.72	31.58	87.46	-728.89	-5,958.22	6,628.67	6,567.00	61.67	107.480		
6,650.00	6,529.30	6,528.85	6,468.91	32.93	31.79	64.46	-728.27	-5,958.80	6,626.87	6,564.76	62.11	106.700		
6,700.00	6,578.09	6,593.26	6,533.31	33.12	32.03	48.66	-727.77	-5,959.32	6,621.08	6,558.53	62.55	105.851		
6,750.00	6,626.21	6,634.14	6,574.19	33.30	32.18	38.68	-727.51	-5,959.63	6,611.40	6,548.52	62.88	105.148		
6,800.00	6,673.34	6,671.58	6,611.63	33.46	32.32	32.27	-727.19	-5,959.96	6,597.99	6,534.82	63.17	104.448		
6,850.00	6,719.21	6,711.94	6,651.98	33.61	32.47	28.00	-726.75	-5,960.37	6,580.93	6,517.47	63.46	103.705		
6,900.00	6,763.53	6,764.24	6,704.27	33.75	32.67	25.09	-726.13	-5,960.87	6,560.25	6,496.47	63.78	102.857		
6,950.00	6,806.03	6,814.35	6,754.38	33.89	32.86	23.07	-725.50	-5,961.29	6,536.04	6,471.96	64.08	102.001		
7,000.00	6,846.44	6,840.21	6,780.24	34.02	32.95	21.63	-725.10	-5,961.54	6,508.54	6,444.28	64.26	101.282		
7,050.00	6,884.52	6,869.40	6,809.42	34.15	33.06	20.67	-724.59	-5,961.85	6,477.94	6,413.49	64.45	100.518		
7,100.00	6,920.03	6,900.00	6,840.01	34.27	33.18	20.12	-723.98	-5,962.21	6,444.40	6,379.78	64.62	99.723		
7,150.00	6,952.75	6,926.57	6,866.57	34.40	33.28	19.92	-723.42	-5,962.55	6,408.13	6,343.35	64.77	98.931		
7,200.00	6,982.48	6,954.45	6,894.45	34.54	33.38	20.08	-722.82	-5,962.91	6,369.31	6,304.39	64.92	98.110		
7,250.00	7,009.04	6,979.46	6,919.44	34.70	33.48	20.63	-722.28	-5,963.24	6,328.19	6,263.14	65.05	97.287		
7,300.00	7,032.26	7,001.42	6,941.40	34.87	33.56	21.66	-721.81	-5,963.54	6,285.00	6,219.85	65.15	96.465		
7,350.00	7,052.00	7,016.32	6,956.29	35.08	33.62	23.31	-721.50	-5,963.75	6,240.03	6,174.81	65.23	95.668		
7,400.00	7,068.14	7,028.88	6,968.85	35.34	33.66	25.98	-721.24	-5,963.94	6,193.54	6,128.26	65.28	94.870		
7,450.00	7,080.57	7,038.74	6,978.70	35.65	33.70	30.40	-721.05	-5,964.10	6,145.82	6,080.49	65.33	94.075		
7,500.00	7,089.23	7,045.81	6,985.77	36.01	33.73	38.39	-720.91	-5,964.21	6,097.14	6,031.78	65.36	93.283		
7,550.00	7,094.06	7,050.04	6,990.00	36.44	33.74	54.93	-720.83	-5,964.28	6,047.80	5,982.42	65.38	92.498		
7,601.12	7,095.00	7,051.37	6,991.33	36.93	33.75	91.83	-720.80	-5,964.30	5,996.99	5,931.60	65.40	91.703		
7,700.00	7,092.92	7,051.00	6,990.97	38.05	33.75	91.80	-720.81	-5,964.30	5,898.56	5,833.15	65.41	90.177		
7,800.00	7,090.81	7,050.63	6,990.59	39.40	33.75	91.76	-720.82	-5,964.29	5,799.04	5,733.61	65.43	88.629		
7,900.00	7,088.70	7,050.25	6,990.21	40.93	33.74	91.72	-720.82	-5,964.28	5,699.53	5,634.07	65.45	87.076		
8,000.00	7,086.59	7,049.87	6,989.83	42.61	33.74	91.68	-720.83	-5,964.28	5,600.04	5,534.55	65.48	85.518		
8,100.00	7,084.49	7,049.48	6,989.45	44.41	33.74	91.64	-720.84	-5,964.27	5,500.56	5,435.05	65.52	83.954		
8,200.00	7,082.38	7,049.09	6,989.06	46.33	33.74	91.60	-720.85	-5,964.27	5,401.11	5,335.55	65.56	82.386		
8,300.00	7,080.27	7,048.70	6,988.66	48.34	33.74	91.57	-720.85	-5,964.26	5,301.68	5,236.07	65.60	80.812		
8,400.00	7,078.16	7,048.30	6,988.27	50.43	33.74	91.53	-720.86	-5,964.25	5,202.26	5,136.61	65.66	79.233		
8,500.00	7,076.05	7,047.91	6,987.87	52.59	33.74	91.49	-720.87	-5,964.25	5,102.88	5,037.16	65.72	77.648		
8,600.00	7,073.94	7,047.50	6,987.47	54.82	33.73	91.44	-720.88	-5,964.24	5,003.51	4,937.73	65.79	76.058		
8,700.00	7,071.84	7,047.09	6,987.06	57.10	33.73	91.40	-720.88	-5,964.23	4,904.17	4,838.31	65.86	74.461		
8,800.00	7,069.73	7,046.68	6,986.65	59.44	33.73	91.36	-720.89	-5,964.23	4,804.86	4,738.91	65.95	72.859		
8,900.00	7,067.62	7,046.27	6,986.23	61.81	33.73	91.32	-720.90	-5,964.22	4,705.58	4,639.54	66.04	71.250		
9,000.00	7,065.51	7,045.85	6,985.82	64.23	33.73	91.28	-720.91	-5,964.21	4,606.33	4,540.18	66.15	69.635		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	7,063.40	7,045.43	6,985.39	66.68	33.73	91.24	-720.92	-5,964.20	4,507.11	4,440.84	66.27	68.014		
9,200.00	7,061.29	7,045.00	6,984.97	69.15	33.72	91.19	-720.92	-5,964.20	4,407.93	4,341.53	66.40	66.386		
9,300.00	7,059.18	7,044.57	6,984.54	71.66	33.72	91.15	-720.93	-5,964.19	4,308.78	4,242.24	66.54	64.751		
9,400.00	7,057.08	7,044.14	6,984.10	74.19	33.72	91.11	-720.94	-5,964.18	4,209.68	4,142.97	66.71	63.108		
9,500.00	7,054.97	7,043.70	6,983.66	76.75	33.72	91.06	-720.95	-5,964.18	4,110.61	4,043.73	66.88	61.459		
9,600.00	7,052.86	7,043.25	6,983.22	79.32	33.72	91.02	-720.96	-5,964.17	4,011.60	3,944.52	67.08	59.802		
9,700.00	7,050.75	7,042.81	6,982.77	81.91	33.72	90.97	-720.97	-5,964.16	3,912.63	3,845.33	67.30	58.138		
9,800.00	7,048.64	7,042.35	6,982.32	84.52	33.71	90.93	-720.98	-5,964.15	3,813.72	3,746.18	67.54	56.466		
9,900.00	7,046.53	7,041.90	6,981.86	87.14	33.71	90.88	-720.98	-5,964.15	3,714.87	3,647.06	67.81	54.786		
10,000.00	7,044.43	7,041.44	6,981.40	89.78	33.71	90.83	-720.99	-5,964.14	3,616.08	3,547.98	68.10	53.098		
10,100.00	7,042.32	7,040.97	6,980.94	92.43	33.71	90.79	-721.00	-5,964.13	3,517.36	3,448.93	68.43	51.402		
10,200.00	7,040.21	7,040.50	6,980.47	95.09	33.71	90.74	-721.01	-5,964.13	3,418.71	3,349.92	68.79	49.699		
10,300.00	7,038.10	7,040.03	6,979.99	97.76	33.71	90.69	-721.02	-5,964.12	3,320.14	3,250.96	69.19	47.987		
10,400.00	7,035.99	7,039.55	6,979.51	100.44	33.70	90.64	-721.03	-5,964.11	3,221.67	3,152.04	69.63	46.267		
10,500.00	7,033.88	7,039.06	6,979.03	103.13	33.70	90.59	-721.04	-5,964.10	3,123.29	3,053.16	70.12	44.540		
10,600.00	7,031.78	7,038.57	6,978.54	105.82	33.70	90.55	-721.05	-5,964.09	3,025.01	2,954.34	70.67	42.806		
10,700.00	7,029.67	7,038.08	6,978.04	108.53	33.70	90.50	-721.06	-5,964.09	2,926.85	2,855.58	71.27	41.065		
10,800.00	7,027.56	7,037.58	6,977.54	111.24	33.70	90.44	-721.07	-5,964.08	2,828.82	2,756.87	71.95	39.318		
10,900.00	7,025.45	7,037.07	6,977.04	113.96	33.69	90.39	-721.08	-5,964.07	2,730.93	2,658.24	72.70	37.566		
11,000.00	7,023.34	7,036.56	6,976.53	116.68	33.69	90.34	-721.09	-5,964.06	2,633.21	2,559.67	73.53	35.810		
11,100.00	7,021.23	7,036.05	6,976.01	119.41	33.69	90.29	-721.10	-5,964.05	2,535.65	2,461.19	74.47	34.050		
11,200.00	7,019.13	7,035.53	6,975.49	122.15	33.69	90.24	-721.11	-5,964.05	2,438.30	2,362.79	75.51	32.290		
11,300.00	7,017.02	7,035.00	6,974.97	124.89	33.69	90.19	-721.12	-5,964.04	2,341.17	2,264.49	76.68	30.531		
11,400.00	7,014.91	7,034.47	6,974.44	127.63	33.68	90.13	-721.13	-5,964.03	2,244.29	2,166.30	78.00	28.774		
11,500.00	7,012.80	7,033.93	6,973.90	130.38	33.68	90.08	-721.14	-5,964.02	2,147.70	2,068.23	79.47	27.024		
11,600.00	7,010.69	7,033.39	6,973.35	133.14	33.68	90.02	-721.15	-5,964.01	2,051.43	1,970.30	81.14	25.284		
11,700.00	7,008.58	7,032.84	6,972.80	135.89	33.68	89.97	-721.16	-5,964.00	1,955.54	1,872.53	83.02	23.556		
11,800.00	7,006.47	7,032.28	6,972.25	138.65	33.68	89.91	-721.17	-5,964.00	1,860.09	1,774.94	85.14	21.847		
11,900.00	7,004.37	7,031.72	6,971.69	141.42	33.67	89.85	-721.18	-5,963.99	1,765.13	1,677.57	87.56	20.160		
12,000.00	7,002.26	7,031.15	6,971.12	144.19	33.67	89.80	-721.20	-5,963.98	1,670.76	1,580.46	90.30	18.502		
12,100.00	7,000.15	7,030.58	6,970.55	146.96	33.67	89.74	-721.21	-5,963.97	1,577.09	1,483.66	93.43	16.879		
12,200.00	6,998.04	7,030.00	6,969.97	149.73	33.67	89.68	-721.22	-5,963.96	1,484.24	1,387.22	97.02	15.299		
12,300.00	6,995.93	7,029.41	6,969.38	152.51	33.67	89.62	-721.23	-5,963.95	1,392.39	1,291.25	101.14	13.768		
12,400.00	6,993.82	7,028.82	6,968.79	155.28	33.66	89.56	-721.24	-5,963.94	1,301.73	1,195.85	105.88	12.295		
12,500.00	6,991.72	7,028.22	6,968.19	158.06	33.66	89.50	-721.25	-5,963.93	1,212.54	1,101.19	111.35	10.889		
12,600.00	6,989.61	7,027.61	6,967.58	160.85	33.66	89.44	-721.27	-5,963.92	1,125.18	1,007.49	117.69	9.561		
12,700.00	6,987.50	7,027.00	6,966.97	163.63	33.66	89.38	-721.28	-5,963.91	1,040.09	915.05	125.04	8.318		
12,800.00	6,985.39	7,026.37	6,966.35	166.42	33.65	89.32	-721.29	-5,963.90	957.88	824.33	133.55	7.172		
12,900.00	6,983.28	7,025.75	6,965.72	169.21	33.65	89.25	-721.30	-5,963.89	879.37	736.00	143.37	6.133		
13,000.00	6,981.17	7,025.11	6,965.08	172.00	33.65	89.19	-721.32	-5,963.88	805.64	651.04	154.59	5.211		
13,100.00	6,979.07	7,024.47	6,964.44	174.79	33.65	89.12	-721.33	-5,963.88	738.11	570.95	167.16	4.416		
13,200.00	6,976.96	7,023.82	6,963.79	177.59	33.64	89.06	-721.34	-5,963.87	678.65	497.92	180.73	3.755		
13,300.00	6,974.85	7,023.16	6,963.13	180.38	33.64	88.99	-721.36	-5,963.86	629.54	435.06	194.48	3.237		
13,400.00	6,972.74	7,022.49	6,962.47	183.18	33.64	88.92	-721.37	-5,963.85	593.36	386.40	206.96	2.867		
13,500.00	6,970.63	7,021.82	6,961.79	185.98	33.64	88.86	-721.38	-5,963.84	572.56	356.30	216.26	2.648		
13,571.24	6,969.13	7,021.33	6,961.31	187.98	33.63	88.81	-721.39	-5,963.83	568.11	348.14	219.97	2.583 CC, ES		
13,600.00	6,968.52	7,021.14	6,961.11	188.78	33.63	88.79	-721.40	-5,963.83	568.84	348.16	220.68	2.578 SF		
13,700.00	6,966.41	7,020.45	6,960.42	191.58	33.63	88.72	-721.41	-5,963.81	582.52	362.96	219.56	2.653		
13,800.00	6,964.31	7,019.75	6,959.72	194.39	33.63	88.65	-721.43	-5,963.80	612.44	398.76	213.68	2.866		
13,900.00	6,962.20	7,019.04	6,959.01	197.19	33.63	88.58	-721.44	-5,963.79	656.38	451.70	204.67	3.207		
14,000.00	6,960.09	7,018.32	6,958.30	200.00	33.62	88.50	-721.46	-5,963.78	711.74	517.50	194.24	3.664		
14,100.00	6,957.98	7,017.60	6,957.57	202.80	33.62	88.43	-721.47	-5,963.77	776.10	592.48	183.62	4.227		

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

Offset Design Boomerang 21-5 - SOUTH #6-22D - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
14,200.00	6,955.87	7,016.86	6,956.84	205.61	33.62	88.36	-721.49	-5,963.76	847.39	673.86	173.53	4.883		
14,300.00	6,953.76	7,016.12	6,956.10	208.42	33.62	88.28	-721.50	-5,963.75	924.02	759.71	164.32	5.623		
14,400.00	6,951.66	7,015.37	6,955.34	211.23	33.61	88.21	-721.52	-5,963.74	1,004.77	848.69	156.08	6.438		
14,500.00	6,949.55	7,014.61	6,954.58	214.04	33.61	88.13	-721.53	-5,963.73	1,088.72	939.94	148.78	7.318		
14,600.00	6,947.44	7,013.83	6,953.81	216.85	33.61	88.05	-721.55	-5,963.72	1,175.18	1,032.82	142.36	8.255		
14,700.00	6,945.33	7,013.05	6,953.03	219.66	33.60	87.97	-721.57	-5,963.71	1,263.64	1,126.94	136.70	9.244		
14,800.00	6,943.22	7,012.26	6,952.23	222.48	33.60	87.89	-721.58	-5,963.69	1,353.71	1,221.99	131.72	10.277		
14,900.00	6,941.11	7,011.46	6,951.43	225.29	33.60	87.81	-721.60	-5,963.68	1,445.08	1,317.76	127.32	11.350		
15,000.00	6,939.01	7,010.64	6,950.62	228.11	33.59	87.73	-721.62	-5,963.67	1,537.53	1,414.11	123.42	12.458		
15,100.00	6,936.90	7,009.82	6,949.80	230.92	33.59	87.65	-721.63	-5,963.66	1,630.87	1,510.92	119.96	13.596		
15,200.00	6,934.79	7,008.98	6,948.96	233.74	33.59	87.56	-721.65	-5,963.65	1,724.96	1,608.09	116.86	14.760		
15,300.00	6,932.68	7,008.14	6,948.11	236.56	33.58	87.48	-721.67	-5,963.64	1,819.67	1,705.58	114.10	15.949		
15,400.00	6,930.57	7,007.28	6,947.26	239.37	33.58	87.39	-721.69	-5,963.62	1,914.93	1,803.32	111.61	17.157		
15,500.00	6,928.46	7,006.41	6,946.39	242.19	33.58	87.30	-721.70	-5,963.61	2,010.64	1,901.27	109.37	18.384		
15,521.99	6,928.00	7,006.22	6,946.20	242.81	33.58	87.28	-721.71	-5,963.61	2,031.74	1,922.83	108.90	18.656		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-103.04	-1,260.96	-5,443.07	5,587.23					
100.00	100.00	79.17	79.17	3.28	3.28	-103.04	-1,260.81	-5,443.30	5,587.47	5,580.90	6.57	850.548		
200.00	200.00	171.87	171.86	3.34	3.32	-103.03	-1,260.32	-5,443.96	5,588.04	5,581.38	6.66	839.168		
300.00	299.98	288.47	288.46	3.44	3.44	110.35	-1,259.33	-5,444.76	5,589.13	5,582.25	6.88	812.730		
400.00	399.84	413.35	413.33	3.59	3.63	110.39	-1,257.53	-5,445.27	5,591.03	5,583.80	7.22	773.872		
500.00	499.45	513.07	513.03	3.79	3.84	110.44	-1,255.70	-5,445.55	5,593.94	5,586.32	7.63	733.254		
600.00	598.70	612.94	612.87	4.04	4.08	110.50	-1,253.67	-5,445.87	5,598.09	5,589.98	8.11	689.968		
700.00	697.47	739.03	738.93	4.32	4.43	110.62	-1,250.67	-5,446.06	5,603.28	5,594.54	8.74	640.747		
773.50	769.68	831.82	831.67	4.55	4.71	110.74	-1,247.85	-5,445.84	5,607.52	5,598.26	9.26	605.602		
800.00	795.65	858.68	858.53	4.64	4.79	110.80	-1,246.99	-5,445.75	5,609.15	5,599.72	9.43	594.632		
900.00	893.65	900.00	899.82	5.00	4.92	110.89	-1,245.63	-5,445.60	5,615.60	5,605.68	9.92	566.163		
1,000.00	991.65	957.03	956.83	5.38	5.11	111.01	-1,244.29	-5,445.78	5,622.89	5,612.42	10.48	536.558		
1,100.00	1,089.66	1,000.00	999.80	5.78	5.25	111.09	-1,244.02	-5,446.44	5,631.45	5,620.43	11.02	511.192		
1,200.00	1,187.66	1,033.82	1,033.61	6.20	5.36	111.16	-1,244.29	-5,447.22	5,641.09	5,629.55	11.54	488.879		
1,300.00	1,285.66	1,100.00	1,099.73	6.63	5.59	111.27	-1,246.12	-5,449.28	5,651.88	5,639.69	12.19	463.812		
1,400.00	1,383.67	1,133.00	1,132.67	7.07	5.71	111.32	-1,247.52	-5,450.49	5,663.39	5,650.66	12.73	444.835		
1,500.00	1,481.67	1,200.00	1,199.55	7.51	5.96	111.42	-1,250.68	-5,453.07	5,675.55	5,662.14	13.41	423.225		
1,600.00	1,579.67	1,261.44	1,260.83	7.97	6.21	111.51	-1,254.33	-5,455.66	5,688.33	5,674.24	14.08	403.863		
1,700.00	1,677.67	1,323.80	1,322.93	8.43	6.46	111.58	-1,259.14	-5,458.59	5,701.88	5,687.11	14.77	385.915		
1,800.00	1,775.68	1,400.00	1,398.71	8.90	6.79	111.66	-1,266.24	-5,462.24	5,715.88	5,700.34	15.54	367.863		
1,900.00	1,873.68	1,440.55	1,438.97	9.37	6.97	111.70	-1,270.52	-5,464.37	5,730.60	5,714.44	16.16	354.585		
2,000.00	1,971.68	1,500.00	1,497.90	9.84	7.25	111.75	-1,277.39	-5,468.21	5,746.46	5,729.59	16.87	340.583		
2,100.00	2,069.69	1,500.00	1,497.90	10.32	7.25	111.75	-1,277.39	-5,468.21	5,763.23	5,745.92	17.31	332.878		
2,200.00	2,167.69	1,544.59	1,542.00	10.80	7.48	111.78	-1,283.04	-5,471.74	5,781.13	5,763.17	17.97	321.783		
2,300.00	2,265.69	1,600.00	1,596.61	11.28	7.76	111.82	-1,290.68	-5,477.08	5,800.41	5,781.74	18.67	310.665		
2,400.00	2,363.69	1,600.00	1,596.61	11.77	7.76	111.82	-1,290.68	-5,477.08	5,820.49	5,801.39	19.10	304.691		
2,500.00	2,461.70	1,639.00	1,634.92	12.25	7.99	111.84	-1,296.56	-5,481.41	5,841.83	5,822.10	19.74	295.971		
2,600.00	2,559.70	1,700.00	1,694.57	12.74	8.36	111.87	-1,306.79	-5,489.03	5,864.47	5,843.98	20.49	286.212		
2,700.00	2,657.70	1,711.31	1,705.60	13.23	8.43	111.87	-1,308.81	-5,490.53	5,887.77	5,866.79	20.98	280.698		
2,800.00	2,755.71	1,795.92	1,787.93	13.72	8.99	111.89	-1,324.73	-5,501.76	5,911.80	5,889.91	21.89	270.056		
2,900.00	2,853.71	1,858.13	1,848.33	14.21	9.42	111.90	-1,337.02	-5,510.14	5,936.21	5,913.52	22.69	261.679		
3,000.00	2,951.71	1,900.00	1,888.95	14.70	9.71	111.91	-1,345.33	-5,515.99	5,961.25	5,937.89	23.35	255.260		
3,100.00	3,049.71	1,948.42	1,935.82	15.20	10.06	111.91	-1,355.23	-5,523.12	5,987.11	5,963.04	24.07	248.710		
3,200.00	3,147.72	2,000.00	1,985.51	15.69	10.45	111.91	-1,366.35	-5,531.30	6,014.01	5,989.20	24.81	242.397		
3,300.00	3,245.72	2,070.86	2,053.63	16.19	11.00	111.91	-1,382.06	-5,542.86	6,041.54	6,015.84	25.69	235.135		
3,400.00	3,343.72	2,194.06	2,172.25	16.69	11.96	111.90	-1,408.83	-5,562.67	6,068.82	6,041.89	26.93	225.347		
3,500.00	3,441.73	2,274.97	2,250.29	17.18	12.57	111.91	-1,425.73	-5,575.71	6,096.00	6,068.13	27.87	218.721		
3,600.00	3,539.73	2,375.19	2,346.88	17.68	13.33	111.91	-1,446.93	-5,591.98	6,123.33	6,094.38	28.95	211.523		
3,700.00	3,637.73	2,480.27	2,448.14	18.18	14.13	111.92	-1,469.39	-5,608.82	6,150.50	6,120.43	30.07	204.565		
3,800.00	3,735.73	2,576.30	2,540.64	18.68	14.86	111.91	-1,490.18	-5,624.09	6,177.60	6,146.47	31.13	198.442		
3,900.00	3,833.74	3,900.00	2,719.98	19.18	24.63	111.90	-1,531.90	-5,652.30	6,204.21	6,164.30	39.91	155.446		
4,000.00	3,931.74	2,897.44	2,850.17	19.67	17.22	111.89	-1,561.73	-5,670.91	6,229.28	6,195.10	34.18	182.258		
4,100.00	4,029.74	2,972.10	2,922.22	20.17	17.75	111.88	-1,578.32	-5,681.29	6,254.57	6,219.47	35.09	178.219		
4,200.00	4,127.75	3,063.51	3,010.51	20.67	18.40	111.88	-1,598.10	-5,694.36	6,280.12	6,244.00	36.12	173.882		
4,300.00	4,225.75	3,216.80	3,159.03	21.18	19.44	111.89	-1,629.17	-5,716.05	6,305.30	6,267.76	37.54	167.965		
4,400.00	4,323.75	3,353.76	3,291.65	21.68	20.36	111.89	-1,658.08	-5,734.35	6,329.93	6,291.07	38.86	162.910		
4,500.00	4,421.76	3,443.81	3,378.96	22.18	20.95	111.89	-1,676.95	-5,745.74	6,353.77	6,313.91	39.86	159.415		
4,600.00	4,519.76	3,500.00	3,433.38	22.68	21.32	111.89	-1,688.77	-5,753.26	6,378.30	6,337.67	40.63	156.987		
4,700.00	4,617.76	3,602.43	3,532.56	23.18	22.01	111.89	-1,710.14	-5,767.31	6,403.15	6,361.43	41.72	153.493		
4,800.00	4,715.76	3,651.14	3,579.64	23.68	22.36	111.89	-1,720.69	-5,774.03	6,428.23	6,385.78	42.45	151.418		
4,900.00	4,813.77	3,700.00	3,626.62	24.18	22.71	111.88	-1,732.20	-5,780.95	6,454.01	6,410.82	43.19	149.443		
5,000.00	4,911.77	3,763.19	3,687.17	24.69	23.20	111.86	-1,747.79	-5,790.14	6,480.40	6,436.34	44.05	147.108		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	3,828.07	3,749.23	25.19	23.71	111.84	-1,763.98	-5,799.89	6,507.29	6,462.36	44.93	144.834		
5,200.00	5,107.78	3,900.00	3,818.06	25.69	24.29	111.82	-1,781.62	-5,811.07	6,534.60	6,488.73	45.86	142.481		
5,300.00	5,205.78	4,083.75	3,994.80	26.19	25.68	111.80	-1,823.06	-5,839.48	6,561.47	6,513.87	47.60	137.835		
5,400.00	5,303.78	4,242.39	4,148.32	26.70	26.77	111.82	-1,855.70	-5,862.54	6,586.97	6,537.88	49.09	134.186		
5,500.00	5,401.78	4,334.36	4,237.46	27.20	27.39	111.83	-1,874.04	-5,875.78	6,612.29	6,562.19	50.10	131.981		
5,600.00	5,499.79	4,420.80	4,321.13	27.70	27.98	111.83	-1,891.90	-5,888.13	6,637.65	6,586.57	51.08	129.946		
5,700.00	5,597.79	4,485.02	4,383.15	28.21	28.43	111.83	-1,905.71	-5,897.44	6,663.38	6,611.47	51.91	128.356		
5,800.00	5,695.79	4,577.02	4,471.86	28.71	29.09	111.83	-1,925.99	-5,910.99	6,689.42	6,636.47	52.96	126.321		
5,900.00	5,793.80	4,636.91	4,529.58	29.22	29.54	111.82	-1,939.24	-5,919.88	6,715.65	6,661.88	53.77	124.906		
6,000.00	5,891.80	4,700.00	4,590.33	29.72	30.00	111.82	-1,953.07	-5,929.83	6,742.59	6,687.99	54.60	123.495		
6,100.00	5,989.80	6,030.97	5,900.43	30.22	36.46	112.77	-2,111.10	-6,047.07	6,765.30	6,703.33	61.97	109.172		
6,200.00	6,087.80	6,122.38	5,991.84	30.73	36.74	112.91	-2,111.75	-6,048.33	6,774.65	6,711.85	62.80	107.881		
6,300.00	6,185.81	6,238.25	6,107.69	31.23	37.08	113.08	-2,112.93	-6,049.72	6,783.92	6,720.21	63.71	106.482		
6,400.00	6,283.81	6,365.11	6,234.54	31.74	37.46	113.27	-2,114.50	-6,050.80	6,792.95	6,728.29	64.66	105.058		
6,500.00	6,381.81	6,460.48	6,329.89	32.24	37.75	113.41	-2,115.55	-6,051.34	6,801.71	6,736.21	65.50	103.837		
6,520.79	6,402.19	6,477.20	6,346.62	32.35	37.81	113.43	-2,115.73	-6,051.45	6,803.57	6,737.90	65.67	103.604		
6,550.00	6,430.87	6,501.36	6,370.77	32.49	37.88	101.11	-2,115.98	-6,051.64	6,805.53	6,739.63	65.90	103.270		
6,600.00	6,480.12	6,574.91	6,444.32	32.72	38.11	75.88	-2,116.76	-6,052.09	6,805.74	6,739.35	66.40	102.504		
6,650.00	6,529.30	6,637.93	6,507.34	32.93	38.30	52.81	-2,117.53	-6,052.27	6,801.93	6,735.10	66.83	101.775		
6,700.00	6,578.09	6,695.15	6,564.54	33.12	38.48	36.85	-2,118.50	-6,052.31	6,794.19	6,726.97	67.23	101.061		
6,750.00	6,626.21	6,728.47	6,597.86	33.30	38.58	26.63	-2,119.17	-6,052.32	6,782.66	6,715.14	67.52	100.448		
6,800.00	6,673.34	6,759.04	6,628.42	33.46	38.68	19.89	-2,119.81	-6,052.41	6,767.51	6,699.71	67.79	99.826		
6,850.00	6,719.21	6,800.00	6,669.37	33.61	38.80	15.19	-2,120.72	-6,052.64	6,748.82	6,680.74	68.08	99.129		
6,900.00	6,763.53	6,867.86	6,737.21	33.75	39.02	11.73	-2,122.32	-6,052.91	6,726.57	6,658.13	68.45	98.275		
6,950.00	6,806.03	6,950.00	6,769.30	33.89	39.28	8.99	-2,123.11	-6,052.89	6,700.73	6,631.88	68.85	97.324		
7,000.00	6,846.44	6,929.84	6,799.17	34.02	39.21	6.72	-2,123.83	-6,052.92	6,671.70	6,602.82	68.88	96.854		
7,050.00	6,884.52	6,946.20	6,815.53	34.15	39.27	4.71	-2,124.21	-6,053.02	6,639.78	6,570.74	69.03	96.183		
7,100.00	6,920.03	6,961.56	6,830.88	34.27	39.31	2.85	-2,124.56	-6,053.16	6,605.09	6,535.92	69.16	95.498		
7,150.00	6,952.75	7,000.00	6,869.31	34.40	39.44	1.00	-2,125.37	-6,053.74	6,567.93	6,498.56	69.36	94.687		
7,200.00	6,982.48	7,000.00	6,869.31	34.54	39.44	-0.95	-2,125.37	-6,053.74	6,528.22	6,458.80	69.42	94.040		
7,250.00	7,009.04	7,002.86	6,872.17	34.70	39.45	-3.14	-2,125.43	-6,053.79	6,486.42	6,416.95	69.47	93.365		
7,300.00	7,032.26	7,042.70	6,912.00	34.87	39.57	-5.84	-2,126.19	-6,054.51	6,442.67	6,373.02	69.65	92.503		
7,350.00	7,052.00	7,076.51	6,945.80	35.08	39.68	-9.40	-2,126.79	-6,055.04	6,397.19	6,327.39	69.79	91.660		
7,400.00	7,068.14	7,104.16	6,973.44	35.34	39.77	-14.47	-2,127.24	-6,055.43	6,350.27	6,280.36	69.91	90.839		
7,450.00	7,080.57	7,119.17	6,988.45	35.65	39.82	-22.29	-2,127.47	-6,055.63	6,302.23	6,232.26	69.97	90.070		
7,500.00	7,089.23	7,130.58	6,999.85	36.01	39.86	-35.62	-2,127.65	-6,055.78	6,253.38	6,183.36	70.02	89.313		
7,550.00	7,094.06	7,137.28	7,006.55	36.44	39.88	-59.13	-2,127.75	-6,055.87	6,204.03	6,133.99	70.04	88.576		
7,601.12	7,095.00	7,139.24	7,008.51	36.93	39.88	-92.54	-2,127.78	-6,055.89	6,153.38	6,083.33	70.05	87.842		
7,700.00	7,092.92	7,138.27	7,007.54	38.05	39.88	-92.47	-2,127.77	-6,055.88	6,055.43	5,985.37	70.05	86.442		
7,800.00	7,090.81	7,137.29	7,006.56	39.40	39.88	-92.41	-2,127.75	-6,055.87	5,956.40	5,886.34	70.06	85.019		
7,900.00	7,088.70	7,136.32	7,005.59	40.93	39.87	-92.34	-2,127.74	-6,055.85	5,857.41	5,787.33	70.08	83.587		
8,000.00	7,086.59	7,135.36	7,004.63	42.61	39.87	-92.27	-2,127.72	-6,055.84	5,758.45	5,688.35	70.10	82.148		
8,100.00	7,084.49	7,134.40	7,003.67	44.41	39.87	-92.21	-2,127.71	-6,055.83	5,659.53	5,589.40	70.13	80.701		
8,200.00	7,082.38	7,133.45	7,002.72	46.33	39.87	-92.14	-2,127.69	-6,055.82	5,560.65	5,490.48	70.17	79.245		
8,300.00	7,080.27	7,132.50	7,001.77	48.34	39.86	-92.08	-2,127.68	-6,055.81	5,461.80	5,391.58	70.22	77.780		
8,400.00	7,078.16	7,131.56	7,000.83	50.43	39.86	-92.01	-2,127.66	-6,055.79	5,363.00	5,292.72	70.28	76.306		
8,500.00	7,076.05	7,130.63	6,999.90	52.59	39.86	-91.95	-2,127.65	-6,055.78	5,264.25	5,193.89	70.36	74.823		
8,600.00	7,073.94	7,129.70	6,998.97	54.82	39.85	-91.89	-2,127.64	-6,055.77	5,165.54	5,095.10	70.44	73.330		
8,700.00	7,071.84	7,128.78	6,998.05	57.10	39.85	-91.82	-2,127.62	-6,055.76	5,066.89	4,996.35	70.54	71.828		
8,800.00	7,069.73	7,127.86	6,997.13	59.44	39.85	-91.76	-2,127.61	-6,055.75	4,968.28	4,897.63	70.66	70.316		
8,900.00	7,067.62	7,126.95	6,996.22	61.81	39.84	-91.70	-2,127.59	-6,055.73	4,869.74	4,798.95	70.79	68.793		
9,000.00	7,065.51	7,126.04	6,995.32	64.23	39.84	-91.64	-2,127.58	-6,055.72	4,771.25	4,700.32	70.94	67.260		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	7,063.40	7,125.14	6,994.42	66.68	39.84	-91.57	-2,127.57	-6,055.71	4,672.83	4,601.73	71.11	65.716		
9,200.00	7,061.29	7,124.25	6,993.53	69.15	39.84	-91.51	-2,127.55	-6,055.70	4,574.48	4,503.18	71.30	64.161		
9,300.00	7,059.18	7,123.36	6,992.64	71.66	39.83	-91.45	-2,127.54	-6,055.69	4,476.20	4,404.69	71.51	62.595		
9,400.00	7,057.08	7,122.48	6,991.75	74.19	39.83	-91.39	-2,127.53	-6,055.68	4,378.00	4,306.25	71.75	61.018		
9,500.00	7,054.97	7,121.60	6,990.88	76.75	39.83	-91.33	-2,127.51	-6,055.66	4,279.88	4,207.86	72.02	59.429		
9,600.00	7,052.86	7,120.73	6,990.01	79.32	39.82	-91.27	-2,127.50	-6,055.65	4,181.85	4,109.54	72.31	57.829		
9,700.00	7,050.75	7,119.86	6,989.14	81.91	39.82	-91.21	-2,127.48	-6,055.64	4,083.92	4,011.27	72.64	56.218		
9,800.00	7,048.64	7,119.00	6,988.28	84.52	39.82	-91.15	-2,127.47	-6,055.63	3,986.08	3,913.07	73.01	54.595		
9,900.00	7,046.53	7,118.14	6,987.42	87.14	39.82	-91.09	-2,127.46	-6,055.62	3,888.36	3,814.94	73.42	52.962		
10,000.00	7,044.43	7,120.23	6,989.51	89.78	39.82	-91.24	-2,127.49	-6,055.64	3,790.75	3,716.87	73.88	51.310		
10,100.00	7,042.32	7,119.16	6,988.44	92.43	39.82	-91.16	-2,127.47	-6,055.63	3,693.28	3,618.90	74.38	49.656		
10,200.00	7,040.21	7,118.10	6,987.38	95.09	39.82	-91.09	-2,127.45	-6,055.61	3,595.94	3,521.01	74.93	47.992		
10,300.00	7,038.10	7,117.06	6,986.34	97.76	39.81	-91.02	-2,127.44	-6,055.60	3,498.75	3,423.22	75.54	46.319		
10,400.00	7,035.99	7,116.03	6,985.31	100.44	39.81	-90.95	-2,127.42	-6,055.59	3,401.73	3,325.52	76.21	44.638		
10,500.00	7,033.88	7,115.02	6,984.29	103.13	39.81	-90.88	-2,127.41	-6,055.58	3,304.88	3,227.94	76.95	42.950		
10,600.00	7,031.78	7,114.02	6,983.29	105.82	39.80	-90.81	-2,127.39	-6,055.56	3,208.23	3,130.47	77.76	41.256		
10,700.00	7,029.67	7,113.03	6,982.31	108.53	39.80	-90.74	-2,127.38	-6,055.55	3,111.79	3,033.12	78.67	39.557		
10,800.00	7,027.56	7,112.06	6,981.34	111.24	39.80	-90.68	-2,127.36	-6,055.54	3,015.58	2,935.92	79.66	37.855		
10,900.00	7,025.45	7,111.10	6,980.38	113.96	39.79	-90.61	-2,127.35	-6,055.52	2,919.62	2,838.87	80.76	36.153		
11,000.00	7,023.34	7,110.16	6,979.44	116.68	39.79	-90.55	-2,127.33	-6,055.51	2,823.95	2,741.98	81.97	34.453		
11,100.00	7,021.23	7,109.23	6,978.51	119.41	39.79	-90.48	-2,127.32	-6,055.50	2,728.58	2,645.28	83.30	32.756		
11,200.00	7,019.13	7,108.31	6,977.59	122.15	39.78	-90.42	-2,127.30	-6,055.49	2,633.56	2,548.79	84.77	31.067		
11,300.00	7,017.02	7,107.40	6,976.68	124.89	39.78	-90.36	-2,127.29	-6,055.48	2,538.92	2,452.53	86.39	29.387		
11,400.00	7,014.91	7,106.51	6,975.79	127.63	39.78	-90.30	-2,127.28	-6,055.46	2,444.71	2,356.52	88.19	27.721		
11,500.00	7,012.80	7,105.62	6,974.90	130.38	39.78	-90.24	-2,127.26	-6,055.45	2,350.97	2,260.80	90.17	26.073		
11,600.00	7,010.69	7,104.75	6,974.03	133.14	39.77	-90.18	-2,127.25	-6,055.44	2,257.77	2,165.41	92.36	24.445		
11,700.00	7,008.58	7,103.89	6,973.17	135.89	39.77	-90.12	-2,127.23	-6,055.43	2,165.18	2,070.40	94.78	22.844		
11,800.00	7,006.47	7,103.05	6,972.33	138.65	39.77	-90.06	-2,127.22	-6,055.42	2,073.28	1,975.81	97.47	21.272		
11,900.00	7,004.37	7,102.21	6,971.49	141.42	39.76	-90.00	-2,127.21	-6,055.41	1,982.16	1,881.72	100.44	19.735		
12,000.00	7,002.26	7,101.38	6,970.66	144.19	39.76	-89.94	-2,127.19	-6,055.40	1,891.94	1,788.20	103.74	18.238		
12,100.00	7,000.15	7,100.57	6,969.85	146.96	39.76	-89.89	-2,127.18	-6,055.38	1,802.75	1,695.35	107.40	16.785		
12,200.00	6,998.04	7,099.76	6,969.04	149.73	39.76	-89.83	-2,127.17	-6,055.37	1,714.75	1,603.28	111.47	15.383		
12,300.00	6,995.93	7,098.97	6,968.25	152.51	39.75	-89.78	-2,127.16	-6,055.36	1,628.13	1,512.14	115.99	14.037		
12,400.00	6,993.82	7,098.18	6,967.46	155.28	39.75	-89.73	-2,127.14	-6,055.35	1,543.14	1,422.12	121.02	12.751		
12,500.00	6,991.72	7,097.41	6,966.69	158.06	39.75	-89.67	-2,127.13	-6,055.34	1,460.05	1,333.44	126.61	11.532		
12,600.00	6,989.61	7,096.64	6,965.92	160.85	39.75	-89.62	-2,127.12	-6,055.33	1,379.21	1,246.38	132.83	10.384		
12,700.00	6,987.50	7,095.88	6,965.16	163.63	39.74	-89.57	-2,127.11	-6,055.32	1,301.03	1,161.32	139.71	9.312		
12,800.00	6,985.39	7,095.14	6,964.42	166.42	39.74	-89.52	-2,127.10	-6,055.31	1,226.02	1,078.71	147.31	8.323		
12,900.00	6,983.28	7,094.40	6,963.68	169.21	39.74	-89.47	-2,127.08	-6,055.30	1,154.81	999.17	155.64	7.420		
13,000.00	6,981.17	7,093.67	6,962.95	172.00	39.74	-89.42	-2,127.07	-6,055.29	1,088.14	923.45	164.69	6.607		
13,100.00	6,979.07	7,092.95	6,962.23	174.79	39.74	-89.37	-2,127.06	-6,055.28	1,026.89	852.52	174.37	5.889		
13,200.00	6,976.96	7,092.24	6,961.52	177.59	39.73	-89.32	-2,127.05	-6,055.27	972.09	787.61	184.48	5.269		
13,300.00	6,974.85	7,091.53	6,960.82	180.38	39.73	-89.27	-2,127.04	-6,055.26	924.89	730.17	194.71	4.750		
13,400.00	6,972.74	7,090.84	6,960.12	183.18	39.73	-89.22	-2,127.03	-6,055.25	886.49	681.90	204.60	4.333		
13,500.00	6,970.63	7,090.15	6,959.44	185.98	39.73	-89.17	-2,127.01	-6,055.24	858.09	644.57	213.52	4.019		
13,600.00	6,968.52	7,089.47	6,958.76	188.78	39.72	-89.13	-2,127.00	-6,055.23	840.70	619.88	220.82	3.807		
13,697.75	6,966.46	7,088.82	6,958.10	191.52	39.72	-89.08	-2,126.99	-6,055.22	835.00	609.17	225.82	3.698 CC		
13,700.00	6,966.41	7,088.80	6,958.09	191.58	39.72	-89.08	-2,126.99	-6,055.22	835.00	609.09	225.91	3.696 ES		
13,800.00	6,964.31	7,088.14	6,957.42	194.39	39.72	-89.04	-2,126.98	-6,055.21	841.24	612.81	228.42	3.683 SF		
13,900.00	6,962.20	7,087.49	6,956.77	197.19	39.72	-88.99	-2,126.97	-6,055.20	859.14	630.82	228.32	3.763		
14,000.00	6,960.09	7,086.84	6,956.12	200.00	39.72	-88.95	-2,126.96	-6,055.19	888.02	662.14	225.88	3.931		
14,100.00	6,957.98	7,086.20	6,955.48	202.80	39.71	-88.90	-2,126.95	-6,055.18	926.83	705.24	221.59	4.183		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,955.87	7,085.56	6,954.85	205.61	39.71	-88.86	-2,126.94	-6,055.17	974.41	758.39	216.02	4.511		
14,300.00	6,953.76	7,084.94	6,954.22	208.42	39.71	-88.82	-2,126.93	-6,055.17	1,029.52	819.85	209.68	4.910		
14,400.00	6,951.66	7,084.32	6,953.60	211.23	39.71	-88.77	-2,126.92	-6,055.16	1,091.04	888.04	203.00	5.375		
14,500.00	6,949.55	7,083.71	6,952.99	214.04	39.71	-88.73	-2,126.91	-6,055.15	1,157.93	961.65	196.29	5.899		
14,600.00	6,947.44	7,083.10	6,952.39	216.85	39.70	-88.69	-2,126.90	-6,055.14	1,229.33	1,039.58	189.75	6.479		
14,700.00	6,945.33	7,082.50	6,951.79	219.66	39.70	-88.65	-2,126.89	-6,055.13	1,304.49	1,120.97	183.52	7.108		
14,800.00	6,943.22	7,081.91	6,951.19	222.48	39.70	-88.61	-2,126.88	-6,055.12	1,382.80	1,205.14	177.66	7.783		
14,900.00	6,941.11	7,081.32	6,950.61	225.29	39.70	-88.57	-2,126.87	-6,055.11	1,463.75	1,291.56	172.20	8.501		
15,000.00	6,939.01	7,080.74	6,950.03	228.11	39.70	-88.53	-2,126.86	-6,055.10	1,546.94	1,379.80	167.13	9.256		
15,100.00	6,936.90	7,080.17	6,949.46	230.92	39.69	-88.49	-2,126.85	-6,055.10	1,632.01	1,469.55	162.46	10.045		
15,200.00	6,934.79	7,079.60	6,948.89	233.74	39.69	-88.45	-2,126.84	-6,055.09	1,718.69	1,560.53	158.16	10.867		
15,300.00	6,932.68	7,079.04	6,948.33	236.56	39.69	-88.41	-2,126.83	-6,055.08	1,806.75	1,652.56	154.19	11.717		
15,400.00	6,930.57	7,078.49	6,947.77	239.37	39.69	-88.37	-2,126.82	-6,055.07	1,895.99	1,745.45	150.54	12.594		
15,500.00	6,928.46	7,077.94	6,947.22	242.19	39.69	-88.34	-2,126.81	-6,055.06	1,986.26	1,839.07	147.18	13.495		
15,521.99	6,928.00	7,077.82	6,947.10	242.81	39.69	-88.33	-2,126.81	-6,055.06	2,006.23	1,859.75	146.48	13.696		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	10.25	10.25	3.28	3.28	-103.15	-1,271.89	-5,443.07	5,589.70					
100.00	100.00	154.28	154.27	3.28	3.31	-103.15	-1,271.81	-5,441.98	5,588.84	5,582.25	6.60	847.358		
200.00	200.00	242.58	242.57	3.34	3.38	-103.16	-1,271.77	-5,441.29	5,588.07	5,581.35	6.72	831.577		
252.57	252.57	292.02	292.01	3.39	3.44	110.22	-1,271.78	-5,440.95	5,587.89	5,581.06	6.83	818.654		
300.00	299.98	331.74	331.73	3.44	3.50	110.23	-1,271.79	-5,440.72	5,588.05	5,581.12	6.94	805.684		
400.00	399.84	415.68	415.67	3.59	3.64	110.24	-1,271.80	-5,440.43	5,589.53	5,582.31	7.23	773.480		
500.00	499.45	515.27	515.26	3.79	3.84	110.27	-1,271.73	-5,440.25	5,592.37	5,584.74	7.63	733.009		
600.00	598.70	624.28	624.27	4.04	4.10	110.33	-1,271.54	-5,439.90	5,596.27	5,588.13	8.14	687.853		
700.00	697.47	709.13	709.12	4.32	4.33	110.36	-1,271.48	-5,439.69	5,601.50	5,592.85	8.65	647.589		
773.50	769.68	773.73	773.72	4.55	4.52	110.38	-1,271.49	-5,439.64	5,606.29	5,597.22	9.07	618.178		
800.00	795.65	796.96	796.95	4.64	4.58	110.43	-1,271.51	-5,439.64	5,608.17	5,598.94	9.23	607.808		
900.00	893.65	864.37	864.36	5.00	4.79	110.55	-1,271.83	-5,439.79	5,615.57	5,605.79	9.79	573.888		
1,000.00	991.65	900.00	899.98	5.38	4.90	110.62	-1,272.23	-5,439.97	5,623.71	5,613.43	10.27	547.389		
1,100.00	1,089.66	955.85	955.81	5.78	5.09	110.71	-1,273.64	-5,440.62	5,632.73	5,621.88	10.85	519.053		
1,200.00	1,187.66	1,000.00	999.90	6.20	5.24	110.78	-1,275.66	-5,441.57	5,642.92	5,631.51	11.41	494.603		
1,300.00	1,285.66	1,038.94	1,038.75	6.63	5.38	110.83	-1,278.08	-5,442.68	5,654.13	5,642.16	11.97	472.293		
1,400.00	1,383.67	1,100.00	1,099.57	7.07	5.62	110.90	-1,283.04	-5,444.79	5,666.34	5,653.71	12.63	448.710		
1,500.00	1,481.67	1,133.08	1,132.47	7.51	5.77	110.93	-1,286.33	-5,446.12	5,679.38	5,666.18	13.20	430.248		
1,600.00	1,579.67	1,200.00	1,198.83	7.97	6.07	110.99	-1,294.30	-5,449.15	5,693.40	5,679.48	13.92	408.882		
1,700.00	1,677.67	1,237.64	1,236.07	8.43	6.26	111.01	-1,299.47	-5,451.02	5,708.15	5,693.61	14.54	392.503		
1,800.00	1,775.68	1,300.00	1,297.63	8.90	6.57	111.04	-1,308.86	-5,454.32	5,723.64	5,708.36	15.29	374.424		
1,900.00	1,873.68	1,342.62	1,339.59	9.37	6.81	111.06	-1,315.89	-5,456.79	5,739.93	5,723.98	15.95	359.839		
2,000.00	1,971.68	1,400.00	1,395.93	9.84	7.13	111.07	-1,326.12	-5,460.58	5,757.18	5,740.48	16.70	344.764		
2,100.00	2,069.69	1,466.23	1,460.75	10.32	7.53	111.08	-1,338.87	-5,465.18	5,775.08	5,757.56	17.52	329.676		
2,200.00	2,167.69	1,538.21	1,531.03	10.80	7.98	111.08	-1,353.67	-5,470.11	5,793.24	5,774.86	18.38	315.135		
2,300.00	2,265.69	1,600.00	1,591.16	11.28	8.37	111.07	-1,367.14	-5,474.59	5,812.03	5,792.83	19.20	302.720		
2,400.00	2,363.69	1,701.97	1,689.96	11.77	9.05	111.03	-1,391.26	-5,481.87	5,831.10	5,810.80	20.30	287.236		
2,500.00	2,461.70	1,754.87	1,740.94	12.25	9.44	111.00	-1,404.92	-5,485.59	5,850.50	5,829.39	21.11	277.115		
2,600.00	2,559.70	1,800.00	1,784.21	12.74	9.77	110.97	-1,417.28	-5,488.91	5,870.65	5,848.78	21.87	268.468		
2,700.00	2,657.70	1,858.41	1,839.94	13.23	10.23	110.92	-1,434.15	-5,493.48	5,891.56	5,868.81	22.75	258.970		
2,800.00	2,755.71	1,900.00	1,879.44	13.72	10.56	110.88	-1,446.70	-5,496.95	5,913.28	5,889.78	23.50	251.625		
2,900.00	2,853.71	1,965.03	1,940.87	14.21	11.13	110.81	-1,467.27	-5,502.64	5,935.70	5,911.22	24.47	242.552		
3,000.00	2,951.71	2,025.66	1,997.75	14.70	11.68	110.74	-1,487.51	-5,508.15	5,958.81	5,933.39	25.42	234.402		
3,100.00	3,049.71	2,100.00	2,067.02	15.20	12.38	110.63	-1,513.61	-5,514.98	5,982.43	5,955.91	26.52	225.595		
3,200.00	3,147.72	2,150.14	2,113.47	15.69	12.88	110.55	-1,531.89	-5,519.70	6,006.62	5,979.20	27.42	219.098		
3,300.00	3,245.72	2,200.00	2,159.48	16.19	13.39	110.47	-1,550.47	-5,524.63	6,031.51	6,003.21	28.31	213.075		
3,400.00	3,343.72	2,252.43	2,207.65	16.69	13.95	110.38	-1,570.44	-5,530.09	6,057.16	6,027.91	29.24	207.120		
3,500.00	3,441.73	2,300.00	2,251.16	17.18	14.45	110.30	-1,588.94	-5,535.32	6,083.57	6,053.44	30.13	201.918		
3,600.00	3,539.73	2,352.85	2,299.30	17.68	15.06	110.20	-1,609.88	-5,541.41	6,110.73	6,079.64	31.09	196.545		
3,700.00	3,637.73	2,405.65	2,347.18	18.18	15.66	110.11	-1,631.21	-5,547.77	6,138.60	6,106.55	32.05	191.522		
3,800.00	3,735.73	2,475.97	2,410.62	18.68	16.51	109.97	-1,660.28	-5,556.43	6,167.02	6,133.79	33.24	185.553		
3,900.00	3,833.74	2,532.83	2,461.62	19.18	17.22	109.85	-1,684.41	-5,563.50	6,195.93	6,161.64	34.29	180.711		
4,000.00	3,931.74	2,600.00	2,521.31	19.67	18.09	109.71	-1,713.99	-5,572.09	6,225.59	6,190.11	35.48	175.472		
4,100.00	4,029.74	2,640.12	2,556.71	20.17	18.64	109.62	-1,732.11	-5,577.35	6,255.84	6,219.48	36.36	172.045		
4,200.00	4,127.75	2,704.30	2,613.15	20.67	19.53	109.47	-1,761.46	-5,585.91	6,286.69	6,249.13	37.56	167.389		
4,300.00	4,225.75	2,830.57	2,724.45	21.18	21.26	109.18	-1,818.62	-5,602.88	6,317.59	6,278.03	39.56	159.702		
4,400.00	4,323.75	2,927.54	2,810.79	21.68	22.54	108.98	-1,860.77	-5,615.95	6,348.07	6,306.94	41.13	154.353		
4,500.00	4,421.76	2,977.69	2,855.49	22.18	23.20	108.88	-1,882.40	-5,623.01	6,379.08	6,336.98	42.09	151.548		
4,600.00	4,519.76	3,005.69	3,005.69	22.68	42.90	108.58	-1,952.43	-5,647.43	6,410.46	6,350.93	59.54	107.669		
4,700.00	4,617.76	3,331.15	3,174.46	23.18	27.48	108.28	-2,026.33	-5,672.36	6,439.85	6,392.95	46.89	137.325		
4,800.00	4,715.76	3,700.18	3,514.44	23.68	31.15	107.77	-2,163.45	-5,714.14	6,466.33	6,415.42	50.91	127.012		
4,900.00	4,813.77	3,733.06	3,544.74	24.18	31.48	107.72	-2,175.83	-5,717.32	6,491.83	6,440.21	51.61	125.775		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,911.77	3,765.77	3,574.67	24.69	31.81	107.67	-2,188.59	-5,720.65	6,518.28	6,465.97	52.31	124.612		
5,100.00	5,009.77	3,800.00	3,605.76	25.19	32.16	107.61	-2,202.43	-5,724.34	6,545.68	6,492.67	53.01	123.480		
5,200.00	5,107.78	3,848.53	3,649.60	25.69	32.72	107.53	-2,222.50	-5,729.82	6,573.90	6,520.00	53.90	121.960		
5,300.00	5,205.78	3,900.00	3,695.97	26.19	33.31	107.44	-2,244.01	-5,735.89	6,602.78	6,547.96	54.82	120.439		
5,400.00	5,303.78	3,967.66	3,756.76	26.70	34.12	107.32	-2,272.56	-5,744.15	6,632.20	6,576.26	55.95	118.541		
5,500.00	5,401.78	4,091.88	3,868.27	27.20	35.60	107.10	-2,325.12	-5,759.39	6,661.84	6,604.10	57.74	115.379		
5,600.00	5,499.79	4,234.52	3,998.08	27.70	37.17	106.88	-2,381.65	-5,776.62	6,690.30	6,630.67	59.63	112.201		
5,700.00	5,597.79	4,300.00	4,058.00	28.21	37.87	106.80	-2,406.61	-5,785.16	6,719.31	6,658.66	60.65	110.794		
5,800.00	5,695.79	4,333.37	4,088.49	28.71	38.25	106.75	-2,419.38	-5,789.72	6,748.90	6,687.57	61.33	110.039		
5,900.00	5,793.80	4,400.00	4,149.23	29.22	39.00	106.66	-2,445.10	-5,799.14	6,779.16	6,716.78	62.38	108.677		
6,000.00	5,891.80	4,508.42	4,247.71	29.72	40.25	106.51	-2,487.87	-5,814.26	6,809.61	6,745.69	63.92	106.538		
6,100.00	5,989.80	4,610.36	4,339.85	30.22	41.45	106.36	-2,529.34	-5,827.72	6,839.78	6,774.38	65.40	104.577		
6,200.00	6,087.80	4,680.75	4,403.12	30.73	42.30	106.24	-2,558.80	-5,836.81	6,870.11	6,803.56	66.55	103.231		
6,300.00	6,185.81	4,746.49	4,462.01	31.23	43.11	106.13	-2,586.77	-5,845.36	6,900.79	6,833.15	67.64	102.017		
6,400.00	6,283.81	4,800.00	4,509.99	31.74	43.78	106.04	-2,609.32	-5,852.62	6,931.94	6,863.35	68.59	101.066		
6,500.00	6,381.81	4,865.23	4,568.39	32.24	44.62	105.94	-2,636.91	-5,861.75	6,963.58	6,893.89	69.69	99.926		
6,520.79	6,402.19	4,876.96	4,578.86	32.35	44.77	105.92	-2,641.92	-5,863.42	6,970.22	6,900.33	69.89	99.728		
6,550.00	6,430.87	4,900.00	4,599.41	32.49	45.06	93.71	-2,651.80	-5,866.72	6,978.99	6,908.73	70.26	99.333		
6,600.00	6,480.12	4,929.35	4,625.57	32.72	45.45	68.63	-2,664.41	-5,870.96	6,991.18	6,920.43	70.75	98.814		
6,650.00	6,529.30	4,967.73	4,659.79	32.93	45.96	45.65	-2,680.85	-5,876.57	6,999.75	6,928.41	71.34	98.122		
6,700.00	6,578.09	5,311.00	4,968.09	33.12	50.10	29.11	-2,825.25	-5,920.26	7,003.30	6,927.78	75.52	92.738		
6,750.00	6,626.21	5,399.51	5,048.66	33.30	51.04	18.78	-2,860.51	-5,930.16	7,002.22	6,925.68	76.54	91.485		
6,800.00	6,673.34	5,400.00	5,049.11	33.46	51.05	12.09	-2,860.70	-5,930.22	6,997.42	6,920.82	76.60	91.346		
6,850.00	6,719.21	5,442.45	5,087.87	33.61	51.50	7.31	-2,877.30	-5,935.12	6,988.94	6,911.84	77.10	90.648		
6,900.00	6,763.53	5,463.19	5,106.82	33.75	51.72	3.75	-2,885.36	-5,937.65	6,977.03	6,899.68	77.35	90.198		
6,950.00	6,806.03	5,500.00	5,140.43	33.89	52.11	0.88	-2,899.59	-5,942.36	6,961.75	6,883.98	77.77	89.520		
7,000.00	6,846.44	5,500.00	5,140.43	34.02	52.11	-1.45	-2,899.59	-5,942.36	6,943.03	6,865.26	77.78	89.269		
7,050.00	6,884.52	5,528.28	5,166.25	34.15	52.43	-3.61	-2,910.50	-5,946.13	6,921.09	6,843.01	78.09	88.633		
7,100.00	6,920.03	5,551.49	5,187.43	34.27	52.69	-5.63	-2,919.46	-5,949.29	6,896.01	6,817.68	78.33	88.034		
7,150.00	6,952.75	7,150.00	5,268.94	34.40	69.24	-7.92	-2,952.61	-5,961.74	6,867.89	6,775.64	92.25	74.452		
7,200.00	6,982.48	7,200.00	5,301.52	34.54	69.75	-10.10	-2,965.19	-5,966.70	6,836.56	6,743.87	92.70	73.752		
7,250.00	7,009.04	5,735.13	5,356.81	34.70	54.61	-12.60	-2,985.35	-5,975.15	6,802.29	6,722.12	80.17	84.846		
7,300.00	7,032.26	5,746.30	5,367.23	34.87	54.71	-15.17	-2,989.02	-5,976.81	6,765.67	6,685.42	80.25	84.305		
7,350.00	7,052.00	5,756.36	5,376.60	35.08	54.81	-18.15	-2,992.34	-5,978.33	6,726.86	6,646.54	80.32	83.752		
7,400.00	7,068.14	5,765.24	5,384.87	35.34	54.90	-21.70	-2,995.27	-5,979.69	6,686.06	6,605.69	80.37	83.190		
7,450.00	7,080.57	5,800.00	5,417.20	35.65	55.24	-26.38	-3,006.82	-5,985.18	6,643.67	6,562.99	80.67	82.352		
7,500.00	7,089.23	5,800.00	5,417.20	36.01	55.24	-31.83	-3,006.82	-5,985.18	6,599.55	6,518.91	80.64	81.837		
7,550.00	7,094.06	5,800.00	5,417.20	36.44	55.24	-38.77	-3,006.82	-5,985.18	6,554.21	6,473.60	80.61	81.305		
7,601.12	7,095.00	5,800.00	5,417.20	36.93	55.24	-47.84	-3,006.82	-5,985.18	6,506.85	6,426.26	80.59	80.743		
7,700.00	7,092.92	5,800.00	5,417.20	38.05	55.24	-47.84	-3,006.82	-5,985.18	6,414.54	6,333.99	80.55	79.634		
7,800.00	7,090.81	5,800.00	5,417.20	39.40	55.24	-47.84	-3,006.82	-5,985.18	6,321.38	6,240.85	80.53	78.494		
7,900.00	7,088.70	5,813.58	5,429.81	40.93	55.38	-48.15	-3,011.33	-5,987.38	6,228.42	6,147.75	80.68	77.203		
8,000.00	7,086.59	5,829.28	5,444.42	42.61	55.53	-48.50	-3,016.50	-5,989.95	6,135.65	6,054.78	80.87	75.874		
8,100.00	7,084.49	5,845.21	5,459.25	44.41	55.70	-48.87	-3,021.70	-5,992.57	6,043.06	5,961.97	81.09	74.524		
8,200.00	7,082.38	5,861.37	5,474.30	46.33	55.86	-49.24	-3,026.92	-5,995.25	5,950.68	5,869.33	81.35	73.153		
8,300.00	7,080.27	5,877.77	5,489.60	48.34	56.02	-49.61	-3,032.17	-5,997.99	5,858.50	5,776.86	81.64	71.762		
8,400.00	7,078.16	5,894.41	5,505.13	50.43	56.19	-49.99	-3,037.43	-6,000.79	5,766.53	5,684.56	81.97	70.350		
8,500.00	7,076.05	5,911.30	5,520.91	52.59	56.36	-50.38	-3,042.72	-6,003.65	5,674.80	5,592.45	82.34	68.917		
8,600.00	7,073.94	5,900.00	5,510.35	54.82	56.25	-50.12	-3,039.19	-6,001.73	5,583.36	5,500.90	82.46	67.708		
8,700.00	7,071.84	5,900.00	5,510.35	57.10	56.25	-50.12	-3,039.19	-6,001.73	5,492.21	5,409.47	82.74	66.379		
8,800.00	7,069.73	5,900.00	5,510.35	59.44	56.25	-50.12	-3,039.19	-6,001.73	5,401.38	5,318.32	83.06	65.030		
8,900.00	7,067.62	5,930.55	5,538.86	61.81	56.57	-50.83	-3,048.81	-6,007.02	5,310.66	5,226.91	83.75	63.407		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	5,937.49	5,545.33	64.23	56.64	-50.99	-3,051.00	-6,008.26	5,220.40	5,136.15	84.25	61.966		
9,100.00	7,063.40	5,944.59	5,551.94	66.68	56.72	-51.16	-3,053.24	-6,009.54	5,130.47	5,045.67	84.79	60.507		
9,200.00	7,061.29	5,951.84	5,558.69	69.15	56.79	-51.33	-3,055.54	-6,010.85	5,040.89	4,955.50	85.39	59.032		
9,300.00	7,059.18	5,959.25	5,565.59	71.66	56.87	-51.50	-3,057.89	-6,012.21	4,951.69	4,865.64	86.05	57.544		
9,400.00	7,057.08	5,966.83	5,572.64	74.19	56.95	-51.68	-3,060.29	-6,013.62	4,862.89	4,776.12	86.77	56.043		
9,500.00	7,054.97	5,974.58	5,579.84	76.75	57.03	-51.87	-3,062.76	-6,015.07	4,774.49	4,686.94	87.56	54.531		
9,600.00	7,052.86	6,000.00	5,603.44	79.32	57.30	-52.47	-3,070.86	-6,019.93	4,686.61	4,598.00	88.61	52.890		
9,700.00	7,050.75	6,000.00	5,603.44	81.91	57.30	-52.47	-3,070.86	-6,019.93	4,599.07	4,509.63	89.44	51.422		
9,800.00	7,048.64	6,000.00	5,603.44	84.52	57.30	-52.47	-3,070.86	-6,019.93	4,512.04	4,421.71	90.33	49.951		
9,900.00	7,046.53	6,000.00	5,603.44	87.14	57.30	-52.47	-3,070.86	-6,019.93	4,425.56	4,334.27	91.29	48.478		
10,000.00	7,044.43	6,000.00	5,603.44	89.78	57.30	-52.47	-3,070.86	-6,019.93	4,339.66	4,247.34	92.32	47.006		
10,100.00	7,042.32	6,000.00	5,603.44	92.43	57.30	-52.47	-3,070.86	-6,019.93	4,254.38	4,160.96	93.43	45.537		
10,200.00	7,040.21	6,030.44	5,631.60	95.09	57.66	-53.19	-3,080.73	-6,025.93	4,169.50	4,074.47	95.03	43.876		
10,300.00	7,038.10	6,038.56	5,639.09	97.76	57.76	-53.39	-3,083.42	-6,027.55	4,085.40	3,988.99	96.41	42.375		
10,400.00	7,035.99	6,046.78	5,646.67	100.44	57.86	-53.59	-3,086.16	-6,029.20	4,002.00	3,904.12	97.88	40.887		
10,500.00	7,033.88	6,055.12	5,654.34	103.13	57.96	-53.79	-3,088.96	-6,030.88	3,919.33	3,819.89	99.44	39.414		
10,600.00	7,031.78	6,063.57	5,662.10	105.82	58.06	-53.99	-3,091.83	-6,032.60	3,837.45	3,736.36	101.09	37.959		
10,700.00	7,029.67	6,072.14	5,669.96	108.53	58.17	-54.20	-3,094.76	-6,034.35	3,756.40	3,653.56	102.85	36.525		
10,800.00	7,027.56	6,100.00	5,695.43	111.24	58.50	-54.88	-3,104.45	-6,040.12	3,676.36	3,571.36	105.00	35.014		
10,900.00	7,025.45	6,100.00	5,695.43	113.96	58.50	-54.88	-3,104.45	-6,040.12	3,597.06	3,490.25	106.82	33.675		
11,000.00	7,023.34	6,344.17	5,921.68	116.68	61.20	-61.02	-3,184.50	-6,084.64	3,518.07	3,405.55	112.51	31.268		
11,100.00	7,021.23	6,355.42	5,932.18	119.41	61.31	-61.31	-3,188.16	-6,086.28	3,439.70	3,324.89	114.81	29.959		
11,200.00	7,019.13	6,366.65	5,942.67	122.15	61.41	-61.61	-3,191.83	-6,087.92	3,362.44	3,245.21	117.23	28.682		
11,300.00	7,017.02	6,377.87	5,953.14	124.89	61.52	-61.90	-3,195.51	-6,089.56	3,286.37	3,166.59	119.78	27.438		
11,400.00	7,014.91	6,389.09	5,963.61	127.63	61.63	-62.19	-3,199.20	-6,091.20	3,211.55	3,089.11	122.45	26.228		
11,500.00	7,012.80	6,400.51	5,974.26	130.38	61.74	-62.49	-3,202.97	-6,092.87	3,138.10	3,012.85	125.25	25.055		
11,600.00	7,010.69	6,419.69	5,992.15	133.14	61.92	-62.99	-3,209.33	-6,095.61	3,066.07	2,937.75	128.33	23.893		
11,700.00	7,008.58	6,437.60	6,008.85	135.89	62.09	-63.46	-3,215.31	-6,098.10	2,995.58	2,864.05	131.52	22.776		
11,800.00	7,006.47	6,454.36	6,024.48	138.65	62.24	-63.90	-3,220.93	-6,100.36	2,926.72	2,791.87	134.85	21.704		
11,900.00	7,004.37	6,470.08	6,039.13	141.42	62.39	-64.31	-3,226.23	-6,102.41	2,859.64	2,721.34	138.30	20.676		
12,000.00	7,002.26	12,000.00	6,108.85	144.19	108.07	-66.29	-3,250.99	-6,110.96	2,794.14	2,620.27	173.87	16.070		
12,100.00	7,000.15	6,735.23	6,289.48	146.96	64.36	-71.39	-3,309.69	-6,127.03	2,730.80	2,580.88	149.93	18.214		
12,200.00	6,998.04	12,200.00	6,395.56	149.73	88.67	-74.36	-3,339.98	-6,131.23	2,668.93	2,488.63	180.30	14.803		
12,300.00	6,995.93	12,300.00	6,396.87	152.51	89.12	-74.40	-3,340.34	-6,131.26	2,609.60	2,424.87	184.73	14.126		
12,400.00	6,993.82	12,400.00	6,398.18	155.28	89.57	-74.44	-3,340.69	-6,131.30	2,552.81	2,363.51	189.30	13.485		
12,500.00	6,991.72	12,500.00	6,399.49	158.06	90.01	-74.47	-3,341.04	-6,131.34	2,498.73	2,304.73	194.00	12.880		
12,600.00	6,989.61	12,600.00	6,400.80	160.85	90.46	-74.51	-3,341.40	-6,131.38	2,447.55	2,248.73	198.82	12.310		
12,700.00	6,987.50	12,700.00	6,402.11	163.63	90.91	-74.55	-3,341.75	-6,131.41	2,399.44	2,195.69	203.75	11.776		
12,800.00	6,985.39	12,800.00	6,403.42	166.42	91.36	-74.58	-3,342.10	-6,131.45	2,354.60	2,145.82	208.78	11.278		
12,900.00	6,983.28	6,912.80	6,460.43	169.21	65.20	-76.17	-3,357.18	-6,132.96	2,313.62	2,126.57	187.06	12.369		
13,000.00	6,981.17	6,913.50	6,461.12	172.00	65.20	-76.19	-3,357.35	-6,132.97	2,275.86	2,083.96	191.89	11.860		
13,100.00	6,979.07	6,914.20	6,461.80	174.79	65.20	-76.21	-3,357.52	-6,132.99	2,241.92	2,045.13	196.79	11.393		
13,200.00	6,976.96	6,914.90	6,462.47	177.59	65.20	-76.23	-3,357.68	-6,133.00	2,211.99	2,010.27	201.71	10.966		
13,300.00	6,974.85	6,915.59	6,463.15	180.38	65.21	-76.25	-3,357.85	-6,133.01	2,186.22	1,979.59	206.63	10.580		
13,400.00	6,972.74	6,916.29	6,463.83	183.18	65.21	-76.27	-3,358.01	-6,133.03	2,164.77	1,953.27	211.50	10.235		
13,500.00	6,970.63	6,916.98	6,464.50	185.98	65.21	-76.29	-3,358.18	-6,133.04	2,147.77	1,931.50	216.27	9.931		
13,600.00	6,968.52	6,917.67	6,465.17	188.78	65.21	-76.31	-3,358.34	-6,133.05	2,135.32	1,914.43	220.89	9.667		
13,700.00	6,966.41	6,918.36	6,465.84	191.58	65.22	-76.32	-3,358.50	-6,133.07	2,127.50	1,902.20	225.30	9.443		
13,800.00	6,964.31	13,800.00	6,416.52	194.39	95.84	-74.95	-3,345.64	-6,131.82	2,124.17	1,865.91	258.26	8.225		
13,816.12	6,963.97	13,816.12	6,416.73	194.84	95.91	-74.96	-3,345.69	-6,131.83	2,124.11	1,865.18	258.93	8.203 CC		
13,900.00	6,962.20	13,900.00	6,417.83	197.19	96.29	-74.99	-3,345.99	-6,131.86	2,125.76	1,863.45	262.31	8.104 ES		
14,000.00	6,960.09	14,000.00	6,419.14	200.00	96.73	-75.02	-3,346.34	-6,131.90	2,132.05	1,866.00	266.04	8.014		

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

Offset Design Boomerang 21-5 - SOUTH #6-24D - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,100.00	6,957.98	14,100.00	6,420.45	202.80	97.18	-75.06	-3,346.70	-6,131.93	2,142.99	1,873.56	269.43	7.954	
14,200.00	6,955.87	14,200.00	6,421.76	205.61	97.63	-75.10	-3,347.05	-6,131.97	2,158.51	1,886.05	272.46	7.922	
14,300.00	6,953.76	14,300.00	6,423.07	208.42	98.08	-75.13	-3,347.40	-6,132.01	2,178.52	1,903.41	275.10	7.919 SF	
14,400.00	6,951.66	14,400.00	6,424.38	211.23	98.53	-75.17	-3,347.76	-6,132.05	2,202.88	1,925.51	277.37	7.942	
14,500.00	6,949.55	14,500.00	6,425.69	214.04	98.98	-75.21	-3,348.11	-6,132.08	2,231.47	1,952.20	279.26	7.991	
14,600.00	6,947.44	14,600.00	6,427.00	216.85	99.43	-75.24	-3,348.46	-6,132.12	2,264.11	1,983.32	280.79	8.063	
14,700.00	6,945.33	14,700.00	6,428.31	219.66	99.88	-75.28	-3,348.82	-6,132.16	2,300.64	2,018.67	281.97	8.159	
14,800.00	6,943.22	6,925.79	6,473.06	222.48	65.24	-76.52	-3,360.26	-6,133.21	2,340.86	2,090.08	250.77	9.335	
14,900.00	6,941.11	6,926.45	6,473.70	225.29	65.25	-76.54	-3,360.42	-6,133.22	2,384.59	2,133.74	250.85	9.506	
15,000.00	6,939.01	6,927.12	6,474.34	228.11	65.25	-76.56	-3,360.57	-6,133.23	2,431.66	2,181.01	250.64	9.702	
15,100.00	6,936.90	6,927.78	6,474.99	230.92	65.25	-76.58	-3,360.73	-6,133.24	2,481.86	2,231.69	250.17	9.921	
15,200.00	6,934.79	6,928.43	6,475.62	233.74	65.25	-76.60	-3,360.88	-6,133.26	2,535.01	2,285.54	249.48	10.161	
15,300.00	6,932.68	6,929.09	6,476.26	236.56	65.26	-76.61	-3,361.03	-6,133.27	2,590.93	2,342.35	248.58	10.423	
15,400.00	6,930.57	6,929.74	6,476.90	239.37	65.26	-76.63	-3,361.19	-6,133.28	2,649.45	2,401.94	247.52	10.704	
15,500.00	6,928.46	6,930.39	6,477.53	242.19	65.26	-76.65	-3,361.34	-6,133.29	2,710.40	2,464.09	246.31	11.004	
15,521.99	6,928.00	6,930.54	6,477.67	242.81	65.26	-76.65	-3,361.37	-6,133.30	2,724.11	2,478.08	246.03	11.072	

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	22.88	2,390.57	1,008.73	2,594.74					
100.00	100.00	79.28	79.27	3.28	3.28	22.88	2,390.58	1,008.80	2,594.72	2,588.15	6.57	394.990		
200.00	200.00	179.66	179.66	3.34	3.33	22.88	2,390.63	1,008.99	2,594.84	2,588.17	6.66	389.401		
300.00	299.98	278.48	278.48	3.44	3.42	-123.76	2,390.68	1,009.12	2,595.91	2,589.05	6.86	378.250		
400.00	399.84	376.71	376.71	3.59	3.57	-123.80	2,390.84	1,009.18	2,598.99	2,591.83	7.16	363.124		
500.00	499.45	475.00	475.00	3.79	3.75	-123.88	2,391.13	1,009.05	2,604.08	2,596.54	7.54	345.277		
600.00	598.70	570.99	570.99	4.04	3.97	-123.98	2,391.51	1,008.87	2,611.22	2,603.22	8.00	326.365		
700.00	697.47	670.78	670.78	4.32	4.22	-124.12	2,392.06	1,008.54	2,620.43	2,611.90	8.54	306.900		
773.50	769.68	745.89	745.88	4.55	4.43	-124.26	2,392.43	1,008.18	2,628.43	2,619.45	8.98	292.743		
800.00	795.65	773.02	773.01	4.64	4.51	-124.36	2,392.55	1,008.02	2,631.49	2,622.35	9.15	287.749		
900.00	893.65	871.10	871.09	5.00	4.81	-124.72	2,392.93	1,007.47	2,643.08	2,633.29	9.79	270.094		
1,000.00	991.65	967.14	967.12	5.38	5.12	-125.07	2,393.30	1,007.07	2,654.81	2,644.36	10.46	253.822		
1,100.00	1,089.66	1,349.38	1,348.65	5.78	6.54	-126.27	2,374.53	1,006.90	2,663.27	2,651.07	12.20	218.299		
1,200.00	1,187.66	1,707.93	1,702.66	6.20	8.34	-127.13	2,318.96	1,005.26	2,661.85	2,647.87	13.98	190.456		
1,300.00	1,285.66	1,887.87	1,877.50	6.63	9.47	-127.41	2,276.49	1,006.70	2,651.47	2,636.33	15.14	175.176		
1,400.00	1,383.67	2,038.74	2,023.17	7.07	10.47	-127.58	2,237.35	1,009.43	2,639.61	2,623.39	16.21	162.808		
1,500.00	1,481.67	2,224.34	2,200.89	7.51	11.76	-127.79	2,183.90	1,011.70	2,624.57	2,607.12	17.45	150.447		
1,600.00	1,579.67	2,486.80	2,447.77	7.97	13.84	-128.04	2,095.09	1,011.50	2,603.00	2,584.01	18.98	137.108		
1,700.00	1,677.67	2,795.82	2,729.25	8.43	16.82	-128.16	1,967.92	1,011.84	2,573.65	2,552.89	20.76	123.955		
1,800.00	1,775.68	2,836.09	2,765.58	8.90	17.20	-128.17	1,950.56	1,011.61	2,544.17	2,522.69	21.49	118.415		
1,900.00	1,873.68	2,900.00	2,824.11	9.37	17.80	-128.21	1,924.89	1,011.38	2,517.20	2,494.90	22.31	112.851		
2,000.00	1,971.68	3,031.30	2,944.00	9.84	19.00	-128.29	1,871.40	1,010.66	2,490.25	2,466.88	23.38	106.525		
2,100.00	2,069.69	3,100.00	3,006.40	10.32	19.65	-128.32	1,842.67	1,010.22	2,462.05	2,437.81	24.24	101.584		
2,200.00	2,167.69	3,162.48	3,063.53	10.80	20.19	-128.37	1,817.37	1,009.59	2,435.06	2,409.99	25.07	97.137		
2,300.00	2,265.69	3,244.45	3,139.16	11.28	20.89	-128.46	1,785.81	1,008.04	2,409.59	2,383.63	25.96	92.804		
2,400.00	2,363.69	3,357.51	3,243.22	11.77	21.84	-128.60	1,741.68	1,005.40	2,383.49	2,356.53	26.96	88.402		
2,500.00	2,461.70	3,430.38	3,310.37	12.25	22.43	-128.71	1,713.47	1,003.14	2,357.57	2,329.74	27.83	84.717		
2,600.00	2,559.70	3,500.00	3,375.00	12.74	22.99	-128.81	1,687.66	1,001.44	2,333.27	2,304.59	28.69	81.335		
2,700.00	2,657.70	3,573.68	3,443.64	13.23	23.55	-128.91	1,660.90	1,000.32	2,310.06	2,280.49	29.56	78.136		
2,800.00	2,755.71	3,668.94	3,532.29	13.72	24.27	-129.01	1,626.05	999.63	2,286.97	2,256.45	30.52	74.939		
2,900.00	2,853.71	3,786.64	3,641.63	14.21	25.18	-129.13	1,582.49	999.43	2,263.68	2,232.13	31.55	71.745		
3,000.00	2,951.71	3,916.44	3,761.42	14.70	26.23	-129.22	1,532.51	1,000.12	2,239.11	2,206.47	32.64	68.607		
3,100.00	3,049.71	4,053.59	3,886.95	15.20	27.40	-129.28	1,477.28	1,001.37	2,212.87	2,179.12	33.75	65.564		
3,200.00	3,147.72	4,145.11	3,970.44	15.69	28.19	-129.35	1,439.80	1,001.06	2,185.60	2,150.87	34.73	62.935		
3,300.00	3,245.72	4,226.95	4,045.59	16.19	28.88	-129.45	1,407.43	999.71	2,159.27	2,123.60	35.67	60.537		
3,400.00	3,343.72	4,335.48	4,145.14	16.69	29.78	-129.60	1,364.25	997.45	2,132.60	2,095.93	36.66	58.166		
3,500.00	3,441.73	4,427.10	4,229.23	17.18	30.55	-129.73	1,327.94	995.38	2,106.04	2,068.42	37.62	55.979		
3,600.00	3,539.73	4,603.85	4,390.62	17.68	32.07	-130.00	1,256.06	990.33	2,078.81	2,040.09	38.72	53.689		
3,700.00	3,637.73	4,685.25	4,464.24	18.18	32.81	-130.14	1,221.49	987.32	2,048.99	2,009.32	39.67	51.654		
3,800.00	3,735.73	4,752.43	4,525.28	18.68	33.40	-130.26	1,193.54	984.69	2,020.03	1,979.44	40.59	49.766		
3,900.00	3,833.74	4,815.25	4,582.80	19.18	33.94	-130.40	1,168.45	981.96	1,992.60	1,951.10	41.50	48.015		
4,000.00	3,931.74	4,875.23	4,638.15	19.67	34.41	-130.53	1,145.44	979.64	1,966.90	1,924.50	42.39	46.395		
4,100.00	4,029.74	4,943.16	4,701.24	20.17	34.92	-130.68	1,120.36	977.60	1,942.89	1,899.60	43.30	44.875		
4,200.00	4,127.75	5,015.99	4,769.18	20.67	35.45	-130.83	1,094.17	976.01	1,920.15	1,875.95	44.20	43.440		
4,300.00	4,225.75	5,086.84	4,835.60	21.18	35.95	-130.98	1,069.54	974.76	1,898.74	1,853.64	45.10	42.101		
4,400.00	4,323.75	5,143.79	4,889.30	21.68	36.31	-131.10	1,050.61	973.99	1,879.01	1,833.06	45.95	40.891		
4,500.00	4,421.76	5,200.00	4,942.72	22.18	36.66	-131.22	1,033.12	973.74	1,861.60	1,814.81	46.79	39.790		
4,600.00	4,519.76	5,242.66	4,983.59	22.68	36.88	-131.31	1,020.91	973.75	1,846.79	1,799.24	47.54	38.845		
4,700.00	4,617.76	5,300.00	5,039.06	23.18	37.17	-131.46	1,006.39	973.78	1,835.01	1,786.70	48.32	37.980		
4,800.00	4,715.76	5,340.84	5,078.85	23.68	37.34	-131.57	997.18	973.78	1,825.85	1,776.87	48.98	37.277		
4,900.00	4,813.77	5,400.00	5,136.76	24.18	37.59	-131.75	985.09	973.68	1,819.15	1,769.46	49.69	36.612		
5,000.00	4,911.77	5,459.38	5,195.16	24.69	37.81	-131.95	974.32	973.43	1,814.69	1,764.33	50.36	36.036		

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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,523.23	5,258.18	25.19	38.03	-132.18	964.14	972.95	1,812.35	1,761.32	51.03	35.518		
5,200.00	5,107.78	5,600.00	5,334.19	25.69	38.29	-132.47	953.38	972.31	1,811.89	1,760.14	51.74	35.016		
5,201.14	5,108.89	5,600.00	5,334.19	25.70	38.29	-132.47	953.38	972.31	1,811.89	1,760.14	51.75	35.014 CC, ES		
5,300.00	5,205.78	5,669.96	5,403.60	26.19	38.51	-132.75	944.63	971.60	1,812.90	1,760.50	52.41	34.593		
5,400.00	5,303.78	5,746.05	5,479.19	26.70	38.74	-133.07	936.00	970.58	1,815.17	1,762.08	53.09	34.190		
5,500.00	5,401.78	5,818.29	5,551.07	27.20	38.96	-133.39	928.88	969.38	1,818.90	1,765.16	53.73	33.849		
5,600.00	5,499.79	5,886.23	5,618.77	27.70	39.15	-133.69	923.34	968.16	1,824.33	1,770.00	54.33	33.578		
5,700.00	5,597.79	5,966.04	5,698.39	28.21	39.38	-134.07	918.04	966.59	1,831.29	1,776.29	55.00	33.297		
5,800.00	5,695.79	6,048.62	5,780.81	28.71	39.61	-134.46	913.33	964.75	1,839.24	1,783.56	55.68	33.032		
5,900.00	5,793.80	6,128.89	5,860.97	29.22	39.83	-134.85	909.51	962.86	1,848.20	1,791.86	56.34	32.806		
6,000.00	5,891.80	6,200.00	5,932.01	29.72	40.03	-135.19	906.91	961.13	1,858.39	1,801.48	56.91	32.654		
6,100.00	5,989.80	6,265.63	5,997.60	30.22	40.20	-135.52	905.60	959.40	1,870.30	1,812.88	57.42	32.574		
6,200.00	6,087.80	6,331.42	6,063.37	30.73	40.38	-135.86	905.67	957.54	1,884.22	1,826.32	57.90	32.540		
6,300.00	6,185.81	6,405.21	6,137.13	31.23	40.58	-136.22	906.70	956.08	1,899.69	1,841.24	58.45	32.500		
6,400.00	6,283.81	6,513.14	6,245.03	31.74	40.88	-136.73	908.53	954.34	1,915.66	1,856.33	59.33	32.288		
6,500.00	6,381.81	6,622.49	6,354.36	32.24	41.19	-137.25	909.36	952.24	1,930.74	1,870.51	60.23	32.057		
6,520.79	6,402.19	6,636.19	6,368.06	32.35	41.22	-137.31	909.48	951.99	1,933.95	1,873.62	60.33	32.056		
6,550.00	6,430.87	6,655.47	6,387.33	32.49	41.28	-150.19	909.74	951.70	1,938.70	1,878.23	60.47	32.060		
6,600.00	6,480.12	6,688.53	6,420.39	32.72	41.37	-176.40	910.38	951.29	1,947.74	1,887.04	60.70	32.086		
6,650.00	6,529.30	6,754.58	6,486.41	32.93	41.56	159.65	911.77	950.62	1,957.60	1,896.34	61.26	31.957		
6,700.00	6,578.09	6,826.52	6,558.35	33.12	41.76	143.03	912.32	949.71	1,967.35	1,905.48	61.87	31.800		
6,750.00	6,626.21	6,883.94	6,615.76	33.30	41.92	132.30	912.31	949.23	1,977.38	1,915.03	62.35	31.715		
6,800.00	6,673.34	6,926.73	6,658.56	33.46	42.05	125.08	912.18	949.00	1,987.89	1,925.19	62.71	31.702 SF		
6,850.00	6,719.21	6,963.16	6,694.99	33.61	42.15	119.92	912.25	948.72	1,999.21	1,936.18	63.02	31.722		
6,900.00	6,763.53	7,000.00	6,731.82	33.75	42.26	116.04	912.53	948.32	2,011.33	1,947.97	63.36	31.743		
6,950.00	6,806.03	7,036.43	6,768.25	33.89	42.36	112.99	912.95	947.82	2,024.22	1,960.49	63.72	31.765		
7,000.00	6,846.44	7,072.98	6,804.78	34.02	42.47	110.50	913.47	947.18	2,037.83	1,973.71	64.12	31.783		
7,050.00	6,884.52	7,107.66	6,839.46	34.15	42.57	108.36	914.07	946.45	2,052.17	1,987.64	64.53	31.803		
7,100.00	6,920.03	7,140.34	6,872.11	34.27	42.67	106.46	914.71	945.67	2,067.26	2,002.30	64.96	31.823		
7,150.00	6,952.75	7,170.68	6,902.44	34.40	42.75	104.70	915.37	944.88	2,083.11	2,017.69	65.42	31.843		
7,200.00	6,982.48	7,198.51	6,930.25	34.54	42.84	103.03	916.04	944.09	2,099.71	2,033.81	65.90	31.861		
7,250.00	7,009.04	7,222.81	6,954.53	34.70	42.91	101.36	916.66	943.37	2,117.08	2,050.68	66.40	31.882		
7,300.00	7,032.26	7,244.20	6,975.90	34.87	42.97	99.68	917.25	942.74	2,135.21	2,068.27	66.93	31.900		
7,350.00	7,052.00	7,262.58	6,994.27	35.08	43.02	97.97	917.77	942.19	2,154.05	2,086.56	67.49	31.917		
7,400.00	7,068.14	7,277.85	7,009.53	35.34	43.07	96.19	918.23	941.73	2,173.58	2,105.51	68.07	31.931		
7,450.00	7,080.57	7,289.93	7,021.59	35.65	43.10	94.34	918.60	941.37	2,193.72	2,125.05	68.67	31.945		
7,500.00	7,089.23	7,298.73	7,030.38	36.01	43.13	92.42	918.88	941.11	2,214.39	2,145.11	69.29	31.960		
7,550.00	7,094.06	7,304.86	7,036.51	36.44	43.15	90.45	919.08	940.92	2,235.51	2,165.59	69.92	31.974		
7,601.12	7,095.00	7,307.37	7,039.02	36.93	43.16	88.35	919.16	940.85	2,257.44	2,186.87	70.56	31.992		
7,700.00	7,092.92	7,308.29	7,039.94	38.05	43.16	88.38	919.19	940.82	2,301.83	2,229.98	71.85	32.039		
7,800.00	7,090.81	7,309.25	7,040.89	39.40	43.16	88.41	919.22	940.79	2,350.10	2,276.90	73.20	32.107		
7,900.00	7,088.70	7,310.23	7,041.88	40.93	43.16	88.43	919.25	940.76	2,401.56	2,326.99	74.57	32.205		
8,000.00	7,086.59	7,311.24	7,042.88	42.61	43.17	88.46	919.28	940.72	2,456.02	2,380.07	75.95	32.336		
8,100.00	7,084.49	7,312.28	7,043.92	44.41	43.17	88.49	919.32	940.69	2,513.29	2,435.97	77.32	32.505		
8,200.00	7,082.38	7,313.34	7,044.98	46.33	43.17	88.52	919.35	940.66	2,573.16	2,494.50	78.66	32.711		
8,300.00	7,080.27	7,314.43	7,046.07	48.34	43.18	88.55	919.39	940.62	2,635.47	2,555.50	79.97	32.956		
8,400.00	7,078.16	7,315.55	7,047.19	50.43	43.18	88.58	919.42	940.59	2,700.04	2,618.81	81.23	33.238		
8,500.00	7,076.05	7,316.71	7,048.35	52.59	43.18	88.62	919.46	940.55	2,766.73	2,684.28	82.45	33.556		
8,600.00	7,073.94	7,317.90	7,049.53	54.82	43.19	88.65	919.50	940.51	2,835.37	2,751.75	83.62	33.909		
8,700.00	7,071.84	7,319.12	7,050.75	57.10	43.19	88.68	919.54	940.47	2,905.83	2,821.10	84.73	34.295		
8,800.00	7,069.73	7,320.38	7,052.01	59.44	43.20	88.72	919.58	940.43	2,977.98	2,892.19	85.79	34.711		
8,900.00	7,067.62	7,321.68	7,053.31	61.81	43.20	88.76	919.62	940.39	3,051.71	2,964.90	86.80	35.157		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	7,323.01	7,054.64	64.23	43.20	88.79	919.67	940.35	3,126.89	3,039.13	87.76	35.629		
9,100.00	7,063.40	7,324.39	7,056.02	66.68	43.21	88.83	919.71	940.30	3,203.43	3,114.76	88.67	36.126		
9,200.00	7,061.29	7,325.81	7,057.44	69.15	43.21	88.87	919.76	940.25	3,281.23	3,191.70	89.54	36.647		
9,300.00	7,059.18	7,327.28	7,058.90	71.66	43.22	88.91	919.81	940.21	3,360.21	3,269.85	90.36	37.189		
9,400.00	7,057.08	7,328.79	7,060.41	74.19	43.22	88.96	919.86	940.16	3,440.28	3,349.15	91.13	37.751		
9,500.00	7,054.97	7,330.35	7,061.97	76.75	43.22	89.00	919.91	940.10	3,521.37	3,429.50	91.87	38.331		
9,600.00	7,052.86	7,331.97	7,063.59	79.32	43.23	89.04	919.97	940.05	3,603.41	3,510.84	92.56	38.929		
9,700.00	7,050.75	7,333.64	7,065.26	81.91	43.23	89.09	920.02	939.99	3,686.33	3,593.11	93.22	39.543		
9,800.00	7,048.64	7,335.37	7,066.98	84.52	43.24	89.14	920.08	939.93	3,770.08	3,676.24	93.85	40.172		
9,900.00	7,046.53	7,337.16	7,068.77	87.14	43.24	89.19	920.14	939.87	3,854.61	3,760.17	94.44	40.814		
10,000.00	7,044.43	7,339.01	7,070.62	89.78	43.25	89.24	920.20	939.81	3,939.86	3,844.86	95.01	41.469		
10,100.00	7,042.32	7,340.93	7,072.54	92.43	43.26	89.30	920.27	939.74	4,025.79	3,930.25	95.54	42.135		
10,200.00	7,040.21	7,342.93	7,074.53	95.09	43.26	89.35	920.33	939.67	4,112.36	4,016.30	96.05	42.813		
10,300.00	7,038.10	7,345.00	7,076.60	97.76	43.27	89.41	920.41	939.59	4,199.52	4,102.98	96.54	43.500		
10,400.00	7,035.99	7,347.15	7,078.75	100.44	43.27	89.47	920.48	939.52	4,287.24	4,190.24	97.00	44.197		
10,500.00	7,033.88	7,349.38	7,080.98	103.13	43.28	89.53	920.55	939.44	4,375.49	4,278.04	97.44	44.903		
10,600.00	7,031.78	7,351.70	7,083.30	105.82	43.29	89.60	920.63	939.35	4,464.23	4,366.37	97.86	45.617		
10,700.00	7,029.67	7,354.12	7,085.72	108.53	43.30	89.67	920.72	939.26	4,553.44	4,455.17	98.27	46.338		
10,800.00	7,027.56	7,356.65	7,088.24	111.24	43.30	89.74	920.80	939.17	4,643.09	4,544.44	98.65	47.066		
10,900.00	7,025.45	7,359.28	7,090.86	113.96	43.31	89.81	920.90	939.07	4,733.15	4,634.13	99.02	47.801		
11,000.00	7,023.34	7,361.90	7,093.48	116.68	43.32	89.88	921.00	938.97	4,823.61	4,724.61	99.39	48.537		
11,100.00	7,021.23	7,364.53	7,096.10	119.41	43.33	89.95	921.10	938.87	4,914.43	4,815.43	99.76	49.273		
11,200.00	7,019.13	7,367.16	7,098.72	122.15	43.34	90.02	921.20	938.77	5,005.61	4,906.61	100.13	50.009		
11,300.00	7,017.02	7,369.79	7,101.34	124.89	43.35	90.09	921.30	938.67	5,097.11	4,997.81	100.50	50.745		
11,400.00	7,014.91	7,372.42	7,103.96	127.63	43.36	90.16	921.40	938.57	5,188.93	5,088.93	100.87	51.481		
11,500.00	7,012.80	7,375.05	7,106.58	130.38	43.37	90.23	921.50	938.47	5,281.05	5,179.93	101.24	52.217		
11,600.00	7,010.69	7,377.68	7,109.20	133.14	43.38	90.30	921.60	938.37	5,373.45	5,271.93	101.61	52.953		
11,700.00	7,008.58	7,380.31	7,111.82	135.89	43.39	90.37	921.70	938.27	5,466.11	5,364.03	101.98	53.689		
11,800.00	7,006.47	7,382.94	7,114.44	138.65	43.40	90.44	921.80	938.17	5,559.03	5,456.13	102.35	54.425		
11,900.00	7,004.37	7,385.57	7,117.06	141.42	43.41	90.51	921.90	938.07	5,652.19	5,548.23	102.72	55.161		
12,000.00	7,002.26	7,388.20	7,119.68	144.19	43.42	90.58	922.00	937.97	5,745.59	5,640.33	103.09	55.897		
12,100.00	7,000.15	7,390.83	7,122.30	146.96	43.43	90.65	922.10	937.87	5,839.20	5,732.43	103.46	56.633		
12,200.00	6,998.04	7,393.46	7,124.92	149.73	43.44	90.72	922.20	937.77	5,933.02	5,824.53	103.83	57.369		
12,300.00	6,995.93	7,396.09	7,127.54	152.51	43.45	90.79	922.30	937.67	6,027.03	5,916.63	104.20	58.105		
12,400.00	6,993.82	7,398.72	7,130.16	155.28	43.46	90.86	922.40	937.57	6,121.24	6,008.73	104.57	58.841		
12,500.00	6,991.72	7,401.35	7,132.78	158.06	43.47	90.93	922.50	937.47	6,215.63	6,100.83	104.94	59.577		
12,600.00	6,989.61	7,403.98	7,135.40	160.85	43.48	91.00	922.60	937.37	6,310.19	6,192.93	105.31	60.313		
12,700.00	6,987.50	7,406.61	7,138.02	163.63	43.49	91.07	922.70	937.27	6,404.92	6,285.03	105.68	61.049		
12,800.00	6,985.39	7,409.24	7,140.64	166.42	43.50	91.14	922.80	937.17	6,499.80	6,377.13	106.05	61.785		
12,900.00	6,983.28	7,411.87	7,143.26	169.21	43.51	91.21	922.90	937.07	6,594.84	6,469.23	106.42	62.521		
13,000.00	6,981.17	7,414.50	7,145.88	172.00	43.52	91.28	923.00	936.97	6,690.02	6,561.33	106.79	63.257		
13,100.00	6,979.07	7,417.13	7,148.50	174.79	43.53	91.35	923.10	936.87	6,785.34	6,653.43	107.16	63.993		
13,200.00	6,976.96	7,419.76	7,151.12	177.59	43.54	91.42	923.20	936.77	6,880.79	6,745.53	107.53	64.729		
13,300.00	6,974.85	7,422.39	7,153.74	180.38	43.55	91.49	923.30	936.67	6,976.37	6,837.63	107.90	65.465		
13,400.00	6,972.74	7,425.02	7,156.36	183.18	43.56	91.56	923.40	936.57	7,072.07	6,929.73	108.27	66.201		
13,500.00	6,970.63	7,427.65	7,158.98	185.98	43.57	91.63	923.50	936.47	7,167.89	7,021.83	108.64	66.937		
13,600.00	6,968.52	7,430.28	7,161.60	188.78	43.58	91.70	923.60	936.37	7,263.82	7,113.93	109.01	67.673		
13,700.00	6,966.41	7,432.91	7,164.22	191.58	43.59	91.77	923.70	936.27	7,359.86	7,206.03	109.38	68.409		
13,800.00	6,964.31	7,435.54	7,166.84	194.39	43.60	91.84	923.80	936.17	7,456.00	7,298.13	109.75	69.145		
13,900.00	6,962.20	7,438.17	7,169.46	197.19	43.61	91.91	923.90	936.07	7,552.25	7,390.23	110.12	69.881		
14,000.00	6,960.09	7,440.80	7,172.08	200.00	43.62	91.98	924.00	935.97	7,648.59	7,482.33	110.49	70.617		
14,100.00	6,957.98	7,443.43	7,174.70	202.80	43.63	92.05	924.10	935.87	7,745.02	7,574.43	110.86	71.353		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,200.00	6,955.87	7,350.00	7,081.60	205.61	43.28	89.55	920.58	939.42	7,841.55	7,735.86	105.68	74.199	
14,300.00	6,953.76	7,350.00	7,081.60	208.42	43.28	89.55	920.58	939.42	7,938.15	7,832.35	105.81	75.025	
14,400.00	6,951.66	7,350.00	7,081.60	211.23	43.28	89.55	920.58	939.42	8,034.85	7,928.92	105.93	75.852	
14,500.00	6,949.55	7,350.00	7,081.60	214.04	43.28	89.55	920.58	939.42	8,131.62	8,025.57	106.05	76.679	
14,600.00	6,947.44	7,350.00	7,081.60	216.85	43.28	89.55	920.58	939.42	8,228.47	8,122.30	106.17	77.506	
14,700.00	6,945.33	7,350.00	7,081.60	219.66	43.28	89.55	920.58	939.42	8,325.39	8,219.11	106.28	78.333	
14,800.00	6,943.22	7,350.00	7,081.60	222.48	43.28	89.55	920.58	939.42	8,422.39	8,315.99	106.40	79.161	
14,900.00	6,941.11	7,350.00	7,081.60	225.29	43.28	89.55	920.58	939.42	8,519.45	8,412.94	106.51	79.989	
15,000.00	6,939.01	7,350.00	7,081.60	228.11	43.28	89.55	920.58	939.42	8,616.58	8,509.96	106.62	80.817	
15,100.00	6,936.90	7,350.00	7,081.60	230.92	43.28	89.55	920.58	939.42	8,713.78	8,607.05	106.73	81.645	
15,200.00	6,934.79	7,350.00	7,081.60	233.74	43.28	89.55	920.58	939.42	8,811.04	8,704.20	106.83	82.474	
15,300.00	6,932.68	7,350.00	7,081.60	236.56	43.28	89.55	920.58	939.42	8,908.36	8,801.42	106.94	83.302	
15,400.00	6,930.57	7,350.00	7,081.60	239.37	43.28	89.55	920.58	939.42	9,005.74	8,898.69	107.05	84.130	
15,500.00	6,928.46	7,350.00	7,081.60	242.19	43.28	89.55	920.58	939.42	9,103.17	8,996.02	107.15	84.958	
15,521.99	6,928.00	7,350.00	7,081.60	242.81	43.28	89.55	920.58	939.42	9,124.60	9,017.43	107.17	85.140	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	2,137.85	2,040.57	3.28	26.81	92.63	-237.53	5,173.02	5,584.54					
100.00	100.00	2,200.00	2,096.33	3.28	28.23	92.46	-220.85	5,151.21	5,547.18	5,525.79	21.39	259.369		
200.00	200.00	2,253.91	2,144.62	3.34	29.45	92.29	-205.68	5,132.68	5,510.46	5,488.28	22.18	248.432		
300.00	299.98	2,300.00	2,185.87	3.44	30.49	-55.14	-191.80	5,117.48	5,473.82	5,450.89	22.93	238.724		
400.00	399.84	2,537.11	2,399.64	3.59	35.70	-56.65	-129.22	5,036.44	5,435.44	5,409.26	26.18	207.626		
500.00	499.45	2,633.54	2,486.05	3.79	37.97	-57.80	-104.04	5,001.83	5,393.33	5,365.64	27.69	194.766		
600.00	598.70	2,900.78	2,720.24	4.04	45.24	-59.97	-22.71	4,902.33	5,347.74	5,315.34	32.40	165.061		
700.00	697.47	2,900.00	2,719.57	4.32	45.22	-60.90	-22.97	4,902.63	5,300.51	5,267.74	32.77	161.743		
773.50	769.68	2,945.06	2,758.61	4.55	46.45	-61.87	-8.13	4,885.70	5,265.20	5,231.32	33.88	155.385		
800.00	795.65	2,951.90	2,764.58	4.64	46.64	-61.91	-5.94	4,883.18	5,252.54	5,218.41	34.13	153.898		
900.00	893.65	3,000.00	2,806.89	5.00	47.96	-62.21	9.01	4,865.88	5,205.61	5,170.14	35.46	146.786		
1,000.00	991.65	3,000.00	2,806.89	5.38	47.96	-62.21	9.01	4,865.88	5,159.52	5,123.53	35.99	143.340		
1,100.00	1,089.66	3,041.71	2,843.97	5.78	48.93	-62.46	21.44	4,851.36	5,114.60	5,077.41	37.19	137.512		
1,200.00	1,187.66	3,100.00	2,896.20	6.20	50.28	-62.80	38.19	4,831.66	5,070.82	5,032.13	38.68	131.086		
1,300.00	1,285.66	3,218.37	3,002.20	6.63	52.98	-63.51	71.92	4,791.18	5,027.27	4,986.20	41.07	122.401		
1,400.00	1,383.67	3,273.79	3,051.89	7.07	54.24	-63.84	87.20	4,771.98	4,983.66	4,941.10	42.56	117.105		
1,500.00	1,481.67	3,300.00	3,075.50	7.51	54.84	-63.99	94.13	4,762.97	4,940.91	4,897.26	43.65	113.203		
1,600.00	1,579.67	3,342.33	3,113.91	7.97	55.67	-64.24	104.88	4,748.78	4,899.19	4,854.30	44.90	109.124		
1,700.00	1,677.67	3,370.67	3,139.84	8.43	56.22	-64.40	111.73	4,739.63	4,858.77	4,812.78	45.99	105.641		
1,800.00	1,775.68	3,400.00	3,166.86	8.90	56.80	-64.56	118.53	4,730.48	4,819.60	4,772.48	47.12	102.284		
1,900.00	1,873.68	3,518.80	3,276.25	9.37	58.92	-65.23	146.39	4,693.43	4,780.74	4,731.47	49.27	97.026		
2,000.00	1,971.68	3,576.95	3,329.60	9.84	59.99	-65.57	160.74	4,675.30	4,742.30	4,691.50	50.79	93.366		
2,100.00	2,069.69	3,636.76	3,384.53	10.32	61.05	-65.93	175.67	4,656.95	4,704.63	4,652.31	52.33	89.905		
2,200.00	2,167.69	3,700.00	3,443.03	10.80	62.14	-66.29	190.21	4,637.84	4,667.72	4,613.82	53.90	86.603		
2,300.00	2,265.69	3,739.43	3,479.75	11.28	62.73	-66.51	198.68	4,626.21	4,631.74	4,576.60	55.14	84.007		
2,400.00	2,363.69	4,230.51	3,927.82	11.77	72.62	-69.54	314.13	4,464.11	4,594.31	4,532.02	62.29	73.761		
2,500.00	2,461.70	4,276.49	3,967.93	12.25	73.91	-69.89	328.61	4,446.91	4,552.55	4,488.36	64.19	70.923		
2,600.00	2,559.70	4,300.00	3,988.41	12.74	74.57	-70.07	336.20	4,438.22	4,511.93	4,446.25	65.68	68.696		
2,700.00	2,657.70	4,339.01	4,022.57	13.23	75.54	-70.37	348.75	4,424.17	4,472.60	4,405.16	67.44	66.323		
2,800.00	2,755.71	4,365.99	4,046.41	13.72	76.21	-70.57	357.24	4,414.81	4,434.75	4,365.77	68.98	64.288		
2,900.00	2,853.71	4,400.00	4,076.71	14.21	77.06	-70.83	367.70	4,403.44	4,398.39	4,327.71	70.67	62.237		
3,000.00	2,951.71	4,430.52	4,104.11	14.70	77.67	-71.05	376.83	4,393.57	4,363.42	4,291.22	72.20	60.437		
3,100.00	3,049.71	4,471.14	4,140.85	15.20	78.50	-71.35	388.50	4,380.79	4,329.75	4,255.86	73.89	58.598		
3,200.00	3,147.72	4,542.49	4,205.93	15.69	79.89	-71.86	408.05	4,359.02	4,297.29	4,221.26	76.03	56.523		
3,300.00	3,245.72	4,646.59	4,300.59	16.19	81.88	-72.61	436.86	4,326.67	4,264.92	4,186.27	78.66	54.221		
3,400.00	3,343.72	3,400.00	4,411.47	16.69	57.19	-73.50	469.57	4,288.14	4,232.57	4,172.45	60.12	70.398		
3,500.00	3,441.73	4,862.72	4,497.06	17.18	86.18	-74.20	494.62	4,257.59	4,200.07	4,115.91	84.16	49.908		
3,600.00	3,539.73	5,118.91	4,726.84	17.68	92.01	-76.20	565.42	4,169.25	4,166.63	4,076.96	89.66	46.470		
3,700.00	3,637.73	5,245.17	4,838.20	18.18	95.38	-77.24	601.88	4,122.25	4,131.76	4,038.35	93.41	44.231		
3,800.00	3,735.73	5,347.00	4,927.78	18.68	98.14	-78.10	630.74	4,083.34	4,096.63	3,999.91	96.72	42.355		
3,900.00	3,833.74	5,428.13	4,999.64	19.18	100.29	-78.77	652.36	4,052.51	4,062.11	3,962.52	99.59	40.787		
4,000.00	3,931.74	5,624.11	5,173.64	19.67	105.43	-80.38	700.50	3,976.32	4,027.40	3,923.01	104.38	38.583		
4,100.00	4,029.74	5,691.55	5,234.09	20.17	107.14	-80.91	714.26	3,949.78	3,991.92	3,885.06	106.86	37.355		
4,200.00	4,127.75	5,735.65	5,274.00	20.67	108.13	-81.24	722.38	3,932.89	3,957.48	3,848.59	108.89	36.343		
4,300.00	4,225.75	5,777.17	5,311.88	21.18	109.02	-81.55	729.65	3,917.53	3,924.43	3,813.56	110.87	35.397		
4,400.00	4,323.75	6,000.00	5,513.32	21.68	114.29	-83.30	770.04	3,831.40	3,890.43	3,775.08	115.35	33.727		
4,500.00	4,421.76	6,051.51	5,559.49	22.18	115.50	-83.71	779.34	3,810.55	3,855.97	3,738.36	117.60	32.788		
4,600.00	4,519.76	6,100.00	5,603.82	22.68	116.64	-84.08	786.68	3,792.32	3,823.33	3,703.52	119.80	31.913		
4,700.00	4,617.76	6,100.00	5,603.82	23.18	116.64	-84.08	786.68	3,792.32	3,792.26	3,670.88	121.38	31.242		
4,800.00	4,715.76	6,141.37	5,642.25	23.68	117.28	-84.38	792.03	3,777.97	3,762.89	3,639.67	123.21	30.540		
4,900.00	4,813.77	6,169.13	5,668.33	24.18	117.71	-84.57	795.24	3,769.05	3,735.41	3,610.48	124.93	29.901		
5,000.00	4,911.77	6,200.00	5,697.61	24.69	118.19	-84.78	798.46	3,759.80	3,709.77	3,583.13	126.64	29.295		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	6,242.12	5,737.95	25.19	118.57	-85.04	801.90	3,748.20	3,685.80	3,557.62	128.18	28.754		
5,200.00	5,107.78	6,300.00	5,794.01	25.69	119.10	-85.35	804.33	3,734.06	3,663.28	3,533.56	129.72	28.241		
5,300.00	5,205.78	6,328.45	5,821.78	26.19	119.24	-85.49	804.74	3,727.88	3,642.18	3,511.12	131.06	27.790		
5,400.00	5,303.78	6,364.96	5,857.57	26.70	119.42	-85.66	804.88	3,720.69	3,622.82	3,490.46	132.36	27.371		
5,500.00	5,401.78	6,400.00	5,892.08	27.20	119.59	-85.82	804.61	3,714.58	3,605.16	3,471.54	133.62	26.981		
5,600.00	5,499.79	6,434.99	5,926.65	27.70	119.68	-85.96	804.21	3,709.20	3,589.27	3,454.48	134.79	26.628		
5,700.00	5,597.79	6,468.37	5,959.71	28.21	119.77	-86.10	803.92	3,704.67	3,575.22	3,439.29	135.93	26.302		
5,800.00	5,695.79	6,500.00	5,991.12	28.71	119.86	-86.23	803.75	3,700.93	3,563.03	3,426.00	137.03	26.002		
5,900.00	5,793.80	6,500.00	5,991.12	29.22	119.86	-86.23	803.75	3,700.93	3,553.20	3,415.13	138.07	25.734		
6,000.00	5,891.80	6,552.96	6,043.87	29.72	119.94	-86.44	803.87	3,696.18	3,544.69	3,405.65	139.04	25.494		
6,100.00	5,989.80	6,600.00	6,090.84	30.22	120.02	-86.62	804.53	3,693.72	3,538.90	3,398.92	139.98	25.282		
6,200.00	6,087.80	6,613.05	6,103.88	30.73	120.03	-86.67	804.78	3,693.29	3,534.73	3,393.89	140.83	25.098		
6,300.00	6,185.81	6,682.38	6,173.17	31.23	120.11	-86.92	805.82	3,691.52	3,532.10	3,390.40	141.70	24.927		
6,400.00	6,283.81	6,770.37	6,261.15	31.74	120.19	-87.22	806.73	3,690.13	3,530.19	3,387.63	142.57	24.761		
6,500.00	6,381.81	6,877.13	6,367.89	32.24	120.30	-87.60	807.73	3,688.49	3,528.41	3,384.96	143.45	24.596		
6,520.79	6,402.19	6,900.52	6,391.27	32.35	120.32	-87.68	807.91	3,688.09	3,528.01	3,384.37	143.64	24.562		
6,535.30	6,416.42	6,916.86	6,407.61	32.42	120.34	-93.56	808.03	3,687.80	3,527.87	3,384.11	143.77	24.539 CC, ES		
6,550.00	6,430.87	6,929.39	6,420.14	32.49	120.35	-100.16	808.15	3,687.58	3,528.03	3,384.15	143.89	24.519		
6,600.00	6,480.12	6,979.10	6,469.84	32.72	120.40	-125.75	808.61	3,686.65	3,530.80	3,386.52	144.28	24.471		
6,650.00	6,529.30	7,023.87	6,514.60	32.93	120.45	-149.23	809.12	3,685.77	3,537.01	3,392.38	144.63	24.456 SF		
6,700.00	6,578.09	7,064.78	6,555.50	33.12	120.49	-165.68	809.70	3,684.99	3,546.69	3,401.77	144.92	24.474		
6,750.00	6,626.21	7,106.07	6,596.78	33.30	120.54	-176.46	810.41	3,684.24	3,559.79	3,414.62	145.17	24.521		
6,800.00	6,673.34	7,152.95	6,643.63	33.46	120.59	176.14	811.36	3,683.34	3,576.16	3,430.75	145.40	24.595		
6,850.00	6,719.21	7,198.64	6,689.30	33.61	120.64	170.66	812.45	3,682.38	3,595.64	3,450.04	145.60	24.695		
6,900.00	6,763.53	7,252.90	6,743.54	33.75	120.70	166.29	813.77	3,681.14	3,618.08	3,472.29	145.78	24.818		
6,950.00	6,806.03	7,305.50	6,796.11	33.89	120.76	162.55	814.90	3,679.86	3,643.26	3,497.33	145.93	24.966		
7,000.00	6,846.44	7,343.52	6,834.11	34.02	120.80	159.10	815.67	3,678.93	3,671.14	3,525.11	146.03	25.140		
7,050.00	6,884.52	7,380.55	6,871.11	34.15	120.84	155.74	816.41	3,678.05	3,701.61	3,555.51	146.09	25.337		
7,100.00	6,920.03	7,415.94	6,906.49	34.27	120.88	152.32	817.09	3,677.24	3,734.47	3,588.34	146.13	25.556		
7,150.00	6,952.75	7,449.55	6,940.09	34.40	120.92	148.70	817.66	3,676.52	3,769.55	3,623.41	146.14	25.794		
7,200.00	6,982.48	7,480.14	6,970.68	34.54	120.95	144.73	818.10	3,675.90	3,806.62	3,660.50	146.12	26.051		
7,250.00	7,009.04	7,507.53	6,998.06	34.70	120.98	140.29	818.45	3,675.38	3,845.48	3,699.41	146.08	26.325		
7,300.00	7,032.26	7,525.63	7,016.15	34.87	121.00	135.12	818.67	3,675.06	3,885.94	3,739.95	146.00	26.617		
7,350.00	7,052.00	7,542.25	7,032.77	35.08	121.02	129.21	818.88	3,674.78	3,927.76	3,781.86	145.90	26.921		
7,400.00	7,068.14	7,555.91	7,046.42	35.34	121.04	122.42	819.06	3,674.56	3,970.68	3,824.90	145.78	27.238		
7,450.00	7,080.57	7,566.53	7,057.04	35.65	121.05	114.76	819.19	3,674.40	4,014.45	3,868.80	145.65	27.563		
7,500.00	7,089.23	7,574.07	7,064.58	36.01	121.06	106.34	819.29	3,674.29	4,058.80	3,913.30	145.50	27.896		
7,550.00	7,094.06	7,578.51	7,069.02	36.44	121.06	97.47	819.35	3,674.23	4,103.46	3,958.13	145.34	28.234		
7,601.12	7,095.00	7,579.83	7,070.34	36.93	121.06	88.38	819.37	3,674.21	4,149.18	4,004.01	145.16	28.583		
7,700.00	7,092.92	7,579.25	7,069.76	38.05	121.06	88.36	819.36	3,674.22	4,237.70	4,092.86	144.84	29.258		
7,800.00	7,090.81	7,578.67	7,069.18	39.40	121.06	88.35	819.35	3,674.23	4,327.68	4,183.13	144.55	29.939		
7,900.00	7,088.70	7,578.10	7,068.61	40.93	121.06	88.33	819.35	3,674.23	4,418.09	4,273.80	144.29	30.620		
8,000.00	7,086.59	7,577.53	7,068.04	42.61	121.06	88.31	819.34	3,674.24	4,508.90	4,364.85	144.06	31.300		
8,100.00	7,084.49	7,576.97	7,067.47	44.41	121.06	88.29	819.33	3,674.25	4,600.10	4,456.25	143.85	31.979		
8,200.00	7,082.38	7,576.41	7,066.91	46.33	121.06	88.28	819.32	3,674.26	4,691.65	4,547.99	143.66	32.657		
8,300.00	7,080.27	7,575.85	7,066.36	48.34	121.06	88.26	819.32	3,674.27	4,783.55	4,640.05	143.50	33.335		
8,400.00	7,078.16	7,575.30	7,065.81	50.43	121.06	88.24	819.31	3,674.27	4,875.76	4,732.41	143.35	34.013		
8,500.00	7,076.05	7,574.76	7,065.27	52.59	121.06	88.23	819.30	3,674.28	4,968.27	4,825.05	143.22	34.690		
8,600.00	7,073.94	7,574.22	7,064.73	54.82	121.06	88.21	819.30	3,674.29	5,061.07	4,917.97	143.10	35.367		
8,700.00	7,071.84	7,573.68	7,064.19	57.10	121.06	88.19	819.29	3,674.30	5,154.14	5,011.14	143.00	36.044		
8,800.00	7,069.73	7,573.15	7,063.66	59.44	121.05	88.18	819.28	3,674.30	5,247.46	5,104.56	142.90	36.721		
8,900.00	7,067.62	7,572.63	7,063.14	61.81	121.05	88.16	819.27	3,674.31	5,341.02	5,198.20	142.82	37.397		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	7,572.11	7,062.62	64.23	121.05	88.14	819.27	3,674.32	5,434.81	5,292.07	142.74	38.074		
9,100.00	7,063.40	7,571.59	7,062.10	66.68	121.05	88.13	819.26	3,674.33	5,528.82	5,386.15	142.68	38.750		
9,200.00	7,061.29	7,571.08	7,061.59	69.15	121.05	88.11	819.25	3,674.33	5,623.04	5,480.42	142.62	39.426		
9,300.00	7,059.18	7,570.57	7,061.08	71.66	121.05	88.10	819.25	3,674.34	5,717.45	5,574.89	142.57	40.103		
9,400.00	7,057.08	7,570.07	7,060.58	74.19	121.05	88.08	819.24	3,674.35	5,812.05	5,669.53	142.52	40.779		
9,500.00	7,054.97	7,569.57	7,060.08	76.75	121.05	88.07	819.23	3,674.36	5,906.83	5,764.35	142.48	41.456		
9,600.00	7,052.86	7,569.08	7,059.59	79.32	121.05	88.05	819.23	3,674.36	6,001.78	5,859.33	142.45	42.132		
9,700.00	7,050.75	7,568.59	7,059.10	81.91	121.05	88.04	819.22	3,674.37	6,096.89	5,954.47	142.42	42.809		
9,800.00	7,048.64	7,568.10	7,058.61	84.52	121.05	88.02	819.21	3,674.38	6,192.15	6,049.76	142.39	43.486		
9,900.00	7,046.53	7,567.62	7,058.13	87.14	121.05	88.01	819.21	3,674.39	6,287.56	6,145.19	142.37	44.163		
10,000.00	7,044.43	7,567.14	7,057.65	89.78	121.05	87.99	819.20	3,674.39	6,383.11	6,240.76	142.36	44.839		
10,100.00	7,042.32	7,566.67	7,057.18	92.43	121.05	87.98	819.20	3,674.40	6,478.80	6,336.46	142.34	45.516		
10,200.00	7,040.21	7,566.20	7,056.71	95.09	121.05	87.96	819.19	3,674.41	6,574.61	6,432.28	142.33	46.193		
10,300.00	7,038.10	7,565.73	7,056.25	97.76	121.05	87.95	819.18	3,674.41	6,670.55	6,528.23	142.32	46.870		
10,400.00	7,035.99	7,565.27	7,055.78	100.44	121.05	87.93	819.18	3,674.42	6,766.60	6,624.29	142.31	47.547		
10,500.00	7,033.88	7,564.81	7,055.33	103.13	121.05	87.92	819.17	3,674.43	6,862.77	6,720.46	142.31	48.224		
10,600.00	7,031.78	7,564.36	7,054.87	105.82	121.05	87.91	819.17	3,674.43	6,959.04	6,816.73	142.31	48.901		
10,700.00	7,029.67	7,563.91	7,054.42	108.53	121.04	87.89	819.16	3,674.44	7,055.42	6,913.11	142.31	49.578		
10,800.00	7,027.56	7,563.46	7,053.97	111.24	121.04	87.88	819.15	3,674.45	7,151.90	7,009.59	142.31	50.255		
10,900.00	7,025.45	7,563.02	7,053.53	113.96	121.04	87.87	819.15	3,674.45	7,248.47	7,106.15	142.32	50.933		
11,000.00	7,023.34	7,562.58	7,053.09	116.68	121.04	87.85	819.14	3,674.46	7,345.13	7,202.81	142.32	51.610		
11,100.00	7,021.23	7,562.14	7,052.66	119.41	121.04	87.84	819.14	3,674.47	7,441.89	7,299.56	142.33	52.287		
11,200.00	7,019.13	7,561.71	7,052.22	122.15	121.04	87.83	819.13	3,674.47	7,538.72	7,396.39	142.34	52.964		
11,300.00	7,017.02	7,561.28	7,051.79	124.89	121.04	87.81	819.12	3,674.48	7,635.64	7,493.29	142.35	53.640		
11,400.00	7,014.91	7,560.86	7,051.37	127.63	121.04	87.80	819.12	3,674.49	7,732.64	7,590.28	142.36	54.317		
11,500.00	7,012.80	7,560.43	7,050.95	130.38	121.04	87.79	819.11	3,674.49	7,829.71	7,687.34	142.37	54.994		
11,600.00	7,010.69	7,560.01	7,050.53	133.14	121.04	87.77	819.11	3,674.50	7,926.86	7,784.47	142.39	55.670		
11,700.00	7,008.58	7,559.60	7,050.11	135.89	121.04	87.76	819.10	3,674.51	8,024.07	7,881.67	142.40	56.347		
11,800.00	7,006.47	7,559.19	7,049.70	138.65	121.04	87.75	819.10	3,674.51	8,121.36	7,978.94	142.42	57.023		
11,900.00	7,004.37	7,558.78	7,049.29	141.42	121.04	87.74	819.09	3,674.52	8,218.71	8,076.27	142.44	57.699		
12,000.00	7,002.26	7,558.37	7,048.88	144.19	121.04	87.72	819.09	3,674.53	8,316.12	8,173.66	142.46	58.375		
12,100.00	7,000.15	7,557.97	7,048.48	146.96	121.04	87.71	819.08	3,674.53	8,413.59	8,271.11	142.48	59.051		
12,200.00	6,998.04	7,557.57	7,048.08	149.73	121.04	87.70	819.08	3,674.54	8,511.12	8,368.62	142.50	59.727		
12,300.00	6,995.93	7,557.17	7,047.68	152.51	121.04	87.69	819.07	3,674.54	8,608.71	8,466.18	142.52	60.402		
12,400.00	6,993.82	7,556.78	7,047.29	155.28	121.04	87.67	819.07	3,674.55	8,706.35	8,563.80	142.55	61.077		
12,500.00	6,991.72	7,556.39	7,046.90	158.06	121.04	87.66	819.06	3,674.56	8,804.04	8,661.47	142.57	61.752		
12,600.00	6,989.61	7,556.00	7,046.51	160.85	121.04	87.65	819.06	3,674.56	8,901.79	8,759.20	142.59	62.427		
12,700.00	6,987.50	7,555.61	7,046.13	163.63	121.04	87.64	819.05	3,674.57	8,999.59	8,856.96	142.62	63.102		
12,800.00	6,985.39	7,555.23	7,045.74	166.42	121.04	87.63	819.05	3,674.57	9,097.43	8,954.78	142.65	63.776		
12,900.00	6,983.28	7,554.85	7,045.37	169.21	121.03	87.62	819.04	3,674.58	9,195.32	9,052.64	142.67	64.450		
13,000.00	6,981.17	7,554.48	7,044.99	172.00	121.03	87.60	819.04	3,674.59	9,293.25	9,150.55	142.70	65.123		
13,100.00	6,979.07	7,554.10	7,044.62	174.79	121.03	87.59	819.03	3,674.59	9,391.23	9,248.50	142.73	65.796		
13,200.00	6,976.96	7,553.73	7,044.24	177.59	121.03	87.58	819.03	3,674.60	9,489.25	9,346.49	142.76	66.469		
13,300.00	6,974.85	7,553.36	7,043.88	180.38	121.03	87.57	819.02	3,674.60	9,587.31	9,444.52	142.79	67.142		
13,400.00	6,972.74	7,553.00	7,043.51	183.18	121.03	87.56	819.02	3,674.61	9,685.41	9,542.59	142.82	67.814		
13,500.00	6,970.63	7,552.64	7,043.15	185.98	121.03	87.55	819.01	3,674.61	9,783.55	9,640.70	142.85	68.486		
13,600.00	6,968.52	7,552.28	7,042.79	188.78	121.03	87.54	819.01	3,674.62	9,881.73	9,738.84	142.89	69.158		
13,700.00	6,966.41	7,551.92	7,042.43	191.58	121.03	87.53	819.00	3,674.63	9,979.94	9,837.02	142.92	69.829		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	95.94	-582.24	5,599.10	5,629.51					
100.00	100.00	1,415.88	1,398.95	3.28	9.53	95.60	-531.93	5,427.57	5,617.93	5,607.32	10.61	529.327		
200.00	200.00	1,941.63	1,904.61	3.34	15.06	95.75	-532.42	5,284.50	5,593.58	5,580.56	13.02	429.760		
300.00	299.98	2,247.39	2,192.41	3.44	19.77	-51.32	-538.11	5,181.53	5,558.72	5,544.13	14.59	380.933		
400.00	399.84	2,300.00	2,241.76	3.59	20.66	-51.96	-537.69	5,163.32	5,521.10	5,506.16	14.94	369.627		
500.00	499.45	2,342.77	2,282.01	3.79	21.32	-52.66	-536.89	5,148.89	5,482.23	5,466.96	15.27	359.068		
600.00	598.70	2,951.61	2,846.39	4.04	33.23	-54.16	-518.83	4,923.15	5,441.65	5,423.20	18.46	294.798		
700.00	697.47	700.00	2,925.66	4.32	23.76	-55.26	-516.29	4,886.61	5,391.29	5,381.91	9.39	574.274		
773.50	769.68	3,126.65	3,005.05	4.55	37.63	-56.19	-513.06	4,849.48	5,352.81	5,333.13	19.68	272.013		
800.00	795.65	3,135.37	3,012.94	4.64	37.85	-56.21	-512.72	4,845.78	5,338.76	5,318.98	19.78	269.869		
900.00	893.65	3,168.54	3,043.05	5.00	38.68	-56.28	-511.48	4,831.89	5,286.27	5,266.09	20.18	261.934		
1,000.00	991.65	3,200.00	3,071.71	5.38	39.46	-56.35	-510.37	4,818.98	5,234.63	5,214.02	20.61	254.029		
1,100.00	1,089.66	3,234.10	3,102.92	5.78	40.20	-56.43	-509.15	4,805.29	5,183.87	5,162.79	21.07	246.001		
1,200.00	1,187.66	3,266.53	3,132.73	6.20	40.91	-56.51	-507.90	4,792.59	5,134.02	5,112.46	21.56	238.142		
1,300.00	1,285.66	3,300.00	3,163.64	6.63	41.64	-56.59	-506.51	4,779.82	5,085.10	5,063.02	22.07	230.362		
1,400.00	1,383.67	3,348.18	3,208.30	7.07	42.57	-56.71	-505.01	4,761.79	5,037.00	5,014.32	22.68	222.116		
1,500.00	1,481.67	3,400.00	3,256.45	7.51	43.58	-56.81	-504.67	4,742.67	4,989.58	4,966.26	23.31	214.011		
1,600.00	1,579.67	3,400.00	3,256.45	7.97	43.58	-56.81	-504.67	4,742.67	4,943.25	4,919.51	23.74	208.244		
1,700.00	1,677.67	3,449.24	3,302.48	8.43	44.40	-56.91	-505.07	4,725.20	4,897.66	4,873.27	24.39	200.792		
1,800.00	1,775.68	3,500.00	3,350.37	8.90	45.24	-57.00	-505.69	4,708.39	4,853.68	4,828.62	25.06	193.653		
1,900.00	1,873.68	3,500.00	3,350.37	9.37	45.24	-57.00	-505.69	4,708.39	4,810.44	4,784.91	25.53	188.426		
2,000.00	1,971.68	3,500.00	3,350.37	9.84	45.24	-57.00	-505.69	4,708.39	4,768.91	4,742.91	26.01	183.376		
2,100.00	2,069.69	3,542.59	3,390.94	10.32	45.74	-57.09	-505.82	4,695.42	4,728.31	4,701.64	26.67	177.313		
2,200.00	2,167.69	3,563.89	3,411.36	10.80	45.99	-57.14	-505.52	4,689.40	4,689.29	4,662.05	27.25	172.096		
2,300.00	2,265.69	3,600.00	3,446.19	11.28	46.42	-57.23	-504.47	4,679.91	4,651.78	4,623.88	27.90	166.741		
2,400.00	2,363.69	4,200.00	4,015.19	11.77	54.98	-58.79	-488.46	4,492.93	4,612.27	4,581.48	30.79	149.814		
2,500.00	2,461.70	4,242.24	4,054.46	12.25	55.74	-58.90	-488.10	4,477.38	4,565.62	4,534.12	31.49	144.976		
2,600.00	2,559.70	4,300.00	4,108.60	12.74	56.77	-59.05	-487.55	4,457.27	4,520.44	4,488.18	32.26	140.109		
2,700.00	2,657.70	4,312.79	4,120.64	13.23	56.99	-59.08	-487.43	4,452.96	4,475.93	4,443.05	32.88	136.140		
2,800.00	2,755.71	4,529.90	4,323.87	13.72	60.77	-59.62	-487.20	4,376.60	4,430.81	4,396.59	34.22	129.471		
2,900.00	2,853.71	4,737.21	4,515.80	14.21	64.94	-60.15	-488.19	4,298.28	4,383.36	4,347.84	35.51	123.438		
3,000.00	2,951.71	4,826.09	4,597.54	14.70	66.85	-60.40	-488.00	4,263.37	4,334.50	4,298.09	36.41	119.042		
3,100.00	3,049.71	4,878.89	4,646.21	15.20	67.97	-60.55	-487.62	4,242.91	4,286.19	4,248.98	37.21	115.203		
3,200.00	3,147.72	4,956.18	4,717.64	15.69	69.58	-60.78	-486.77	4,213.39	4,238.45	4,200.37	38.09	111.283		
3,300.00	3,245.72	5,081.29	4,833.08	16.19	72.21	-61.16	-485.64	4,165.19	4,190.54	4,151.42	39.12	107.118		
3,400.00	3,343.72	5,236.11	4,974.93	16.69	75.72	-61.62	-485.23	4,103.16	4,141.04	4,100.80	40.24	102.917		
3,500.00	3,441.73	5,300.00	5,033.36	17.18	77.21	-61.82	-485.17	4,077.32	4,091.44	4,050.34	41.10	99.549		
3,600.00	3,539.73	5,300.00	5,033.36	17.68	77.21	-61.82	-485.17	4,077.32	4,043.10	4,001.30	41.80	96.736		
3,700.00	3,637.73	5,346.70	5,076.40	18.18	78.12	-61.97	-485.35	4,059.20	3,995.63	3,953.01	42.62	93.748		
3,800.00	3,735.73	5,400.00	5,126.23	18.68	79.16	-62.13	-485.80	4,040.29	3,950.35	3,906.88	43.47	90.869		
3,900.00	3,833.74	5,400.00	5,126.23	19.18	79.16	-62.13	-485.80	4,040.29	3,905.72	3,861.53	44.19	88.386		
4,000.00	3,931.74	5,400.00	5,126.23	19.67	79.16	-62.13	-485.80	4,040.29	3,863.16	3,818.25	44.91	86.029		
4,100.00	4,029.74	5,459.94	5,182.89	20.17	80.02	-62.31	-486.42	4,020.75	3,821.56	3,775.77	45.79	83.463		
4,200.00	4,127.75	5,500.00	5,221.01	20.67	80.60	-62.43	-486.82	4,008.45	3,781.50	3,734.88	46.62	81.109		
4,300.00	4,225.75	5,547.92	5,266.79	21.18	81.18	-62.58	-487.28	3,994.29	3,742.64	3,695.16	47.48	78.824		
4,400.00	4,323.75	5,605.99	5,322.43	21.68	81.87	-62.76	-487.82	3,977.66	3,704.75	3,656.37	48.38	76.584		
4,500.00	4,421.76	5,728.39	5,439.64	22.18	83.31	-63.13	-490.09	3,942.51	3,666.83	3,617.39	49.44	74.173		
4,600.00	4,519.76	5,816.09	5,523.52	22.68	84.36	-63.40	-491.76	3,916.95	3,628.60	3,578.19	50.41	71.977		
4,700.00	4,617.76	5,873.22	5,578.26	23.18	85.03	-63.58	-492.72	3,900.64	3,591.04	3,539.71	51.33	69.965		
4,800.00	4,715.76	5,923.72	5,626.80	23.68	85.57	-63.74	-493.55	3,886.69	3,554.46	3,502.24	52.23	68.057		
4,900.00	4,813.77	5,968.49	5,669.97	24.18	86.02	-63.89	-494.19	3,874.89	3,519.15	3,466.03	53.12	66.249		
5,000.00	4,911.77	6,000.00	5,700.46	24.69	86.34	-63.99	-494.57	3,866.93	3,485.22	3,431.24	53.98	64.563		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	6,047.78	5,746.86	25.19	86.71	-64.15	-495.05	3,855.55	3,452.73	3,397.84	54.89	62.908		
5,200.00	5,107.78	6,100.00	5,797.83	25.69	87.11	-64.33	-495.41	3,844.23	3,421.97	3,366.16	55.81	61.318		
5,300.00	5,205.78	6,100.00	5,797.83	26.19	87.11	-64.33	-495.41	3,844.23	3,392.87	3,336.30	56.57	59.979		
5,400.00	5,303.78	6,144.60	5,841.61	26.70	87.34	-64.49	-495.65	3,835.74	3,365.49	3,308.04	57.45	58.579		
5,500.00	5,401.78	6,200.00	5,896.34	27.20	87.62	-64.67	-495.97	3,827.11	3,340.59	3,282.22	58.37	57.230		
5,600.00	5,499.79	6,200.00	5,896.34	27.70	87.62	-64.67	-495.97	3,827.11	3,316.97	3,257.88	59.09	56.131		
5,700.00	5,597.79	6,238.70	5,934.72	28.21	87.73	-64.80	-496.15	3,822.19	3,295.62	3,235.69	59.93	54.991		
5,800.00	5,695.79	6,300.00	5,995.69	28.71	87.90	-65.01	-496.28	3,815.88	3,276.34	3,215.49	60.85	53.846		
5,900.00	5,793.80	6,300.00	5,995.69	29.22	87.90	-65.01	-496.28	3,815.88	3,258.51	3,197.00	61.51	52.973		
6,000.00	5,891.80	6,367.84	6,063.32	29.72	88.04	-65.24	-496.29	3,810.56	3,242.31	3,179.87	62.44	51.928		
6,100.00	5,989.80	6,419.66	6,115.04	30.22	88.13	-65.42	-496.24	3,807.36	3,227.68	3,164.39	63.29	50.997		
6,200.00	6,087.80	6,473.52	6,168.84	30.73	88.22	-65.60	-496.10	3,804.75	3,214.50	3,150.35	64.15	50.112		
6,300.00	6,185.81	6,539.01	6,234.29	31.23	88.31	-65.83	-495.75	3,802.42	3,202.65	3,137.60	65.05	49.234		
6,400.00	6,283.81	6,613.31	6,308.56	31.74	88.42	-66.09	-494.95	3,800.24	3,191.64	3,125.65	66.00	48.361		
6,500.00	6,381.81	6,679.01	6,374.23	32.24	88.51	-66.33	-494.08	3,798.88	3,181.62	3,114.72	66.90	47.557		
6,520.79	6,402.19	6,700.00	6,395.22	32.35	88.53	-66.40	-493.80	3,798.58	3,179.69	3,112.57	67.12	47.370		
6,550.00	6,430.87	6,714.09	6,409.30	32.49	88.55	-78.81	-493.61	3,798.42	3,177.68	3,110.32	67.36	47.175		
6,577.31	6,457.77	6,735.40	6,430.61	32.62	88.58	-92.41	-493.34	3,798.20	3,177.07	3,109.46	67.61	46.992 CC, ES		
6,600.00	6,480.12	6,753.13	6,448.34	32.72	88.61	-104.27	-493.13	3,798.05	3,177.49	3,109.68	67.82	46.855		
6,650.00	6,529.30	6,792.15	6,487.36	32.93	88.66	-127.54	-492.69	3,797.81	3,181.37	3,113.13	68.24	46.618		
6,700.00	6,578.09	6,840.27	6,535.48	33.12	88.72	-143.71	-492.29	3,797.64	3,189.23	3,120.54	68.69	46.432		
6,750.00	6,626.21	6,890.17	6,585.38	33.30	88.79	-154.12	-492.15	3,797.48	3,200.89	3,131.78	69.11	46.318		
6,800.00	6,673.34	6,956.49	6,651.69	33.46	88.88	-161.06	-492.23	3,797.13	3,216.17	3,146.59	69.58	46.221		
6,850.00	6,719.21	7,016.93	6,712.13	33.61	88.96	-165.96	-492.30	3,796.42	3,234.81	3,164.80	70.01	46.207 SF		
6,900.00	6,763.53	7,061.18	6,756.37	33.75	89.02	-169.60	-492.33	3,795.84	3,256.92	3,186.59	70.33	46.307		
6,950.00	6,806.03	7,103.65	6,798.84	33.89	89.08	-172.49	-492.34	3,795.27	3,282.45	3,211.82	70.63	46.474		
7,000.00	6,846.44	7,138.06	6,833.25	34.02	89.13	-174.91	-492.38	3,794.86	3,311.27	3,240.40	70.87	46.725		
7,050.00	6,884.52	7,170.92	6,866.10	34.15	89.18	-177.07	-492.48	3,794.54	3,343.21	3,272.14	71.08	47.037		
7,100.00	6,920.03	7,201.61	6,896.80	34.27	89.22	-179.10	-492.62	3,794.29	3,378.08	3,306.82	71.25	47.408		
7,150.00	6,952.75	7,231.71	6,926.89	34.40	89.26	178.86	-492.78	3,794.09	3,415.62	3,344.21	71.41	47.829		
7,200.00	6,982.48	7,259.03	6,954.22	34.54	89.30	176.68	-492.92	3,793.93	3,455.60	3,384.05	71.54	48.302		
7,250.00	7,009.04	7,283.42	6,978.61	34.70	89.34	174.20	-493.04	3,793.80	3,497.75	3,426.11	71.64	48.823		
7,300.00	7,032.26	7,304.86	7,000.04	34.87	89.37	171.18	-493.14	3,793.71	3,541.81	3,470.10	71.71	49.388		
7,350.00	7,052.00	7,323.47	7,018.65	35.08	89.39	167.23	-493.23	3,793.63	3,587.51	3,515.75	71.76	49.992		
7,400.00	7,068.14	7,338.69	7,033.87	35.34	89.42	161.66	-493.30	3,793.58	3,634.56	3,562.78	71.78	50.632		
7,450.00	7,080.57	7,350.44	7,045.62	35.65	89.43	153.09	-493.35	3,793.53	3,682.67	3,610.89	71.78	51.304		
7,500.00	7,089.23	7,358.66	7,053.84	36.01	89.44	138.79	-493.38	3,793.51	3,731.54	3,659.78	71.76	52.001		
7,550.00	7,094.06	7,363.30	7,058.49	36.44	89.45	114.83	-493.40	3,793.49	3,780.88	3,709.16	71.72	52.721		
7,601.12	7,095.00	7,364.34	7,059.52	36.93	89.45	83.25	-493.41	3,793.49	3,831.48	3,759.82	71.65	53.473		
7,700.00	7,092.92	7,362.70	7,057.88	38.05	89.45	83.08	-493.40	3,793.49	3,929.34	3,857.81	71.52	54.938		
7,800.00	7,090.81	7,361.06	7,056.24	39.40	89.45	82.91	-493.39	3,793.50	4,028.35	3,956.95	71.40	56.416		
7,900.00	7,088.70	7,359.41	7,054.60	40.93	89.45	82.74	-493.39	3,793.50	4,127.42	4,056.12	71.30	57.891		
8,000.00	7,086.59	7,357.78	7,052.96	42.61	89.44	82.58	-493.38	3,793.51	4,226.52	4,155.33	71.20	59.362		
8,100.00	7,084.49	7,356.15	7,051.33	44.41	89.44	82.41	-493.37	3,793.51	4,325.67	4,254.56	71.11	60.830		
8,200.00	7,082.38	7,354.52	7,049.71	46.33	89.44	82.24	-493.37	3,793.52	4,424.86	4,353.83	71.03	62.295		
8,300.00	7,080.27	7,352.91	7,048.09	48.34	89.44	82.08	-493.36	3,793.53	4,524.08	4,453.12	70.96	63.756		
8,400.00	7,078.16	7,351.29	7,046.47	50.43	89.43	81.92	-493.35	3,793.53	4,623.33	4,552.44	70.89	65.214		
8,500.00	7,076.05	7,349.68	7,044.87	52.59	89.43	81.75	-493.34	3,793.54	4,722.61	4,651.78	70.84	66.670		
8,600.00	7,073.94	7,348.08	7,043.26	54.82	89.43	81.59	-493.34	3,793.54	4,821.93	4,751.14	70.78	68.122		
8,700.00	7,071.84	7,346.49	7,041.67	57.10	89.43	81.43	-493.33	3,793.55	4,921.27	4,850.53	70.74	69.571		
8,800.00	7,069.73	7,344.89	7,040.08	59.44	89.42	81.27	-493.32	3,793.55	5,020.63	4,949.94	70.70	71.017		
8,900.00	7,067.62	7,343.31	7,038.49	61.81	89.42	81.11	-493.32	3,793.56	5,120.02	5,049.36	70.66	72.460		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	7,341.73	7,036.91	64.23	89.42	80.95	-493.31	3,793.56	5,219.44	5,148.81	70.63	73.900		
9,100.00	7,063.40	7,340.15	7,035.33	66.68	89.42	80.79	-493.30	3,793.57	5,318.87	5,248.27	70.60	75.337		
9,200.00	7,061.29	7,338.58	7,033.76	69.15	89.42	80.63	-493.30	3,793.58	5,418.33	5,347.75	70.58	76.771		
9,300.00	7,059.18	7,337.02	7,032.20	71.66	89.41	80.47	-493.29	3,793.58	5,517.80	5,447.24	70.56	78.202		
9,400.00	7,057.08	7,335.46	7,030.64	74.19	89.41	80.31	-493.28	3,793.59	5,617.29	5,546.75	70.54	79.630		
9,500.00	7,054.97	7,333.90	7,029.08	76.75	89.41	80.16	-493.28	3,793.59	5,716.80	5,646.27	70.53	81.055		
9,600.00	7,052.86	7,332.35	7,027.54	79.32	89.41	80.00	-493.27	3,793.60	5,816.33	5,745.81	70.52	82.477		
9,700.00	7,050.75	7,330.81	7,025.99	81.91	89.40	79.85	-493.26	3,793.60	5,915.87	5,845.35	70.51	83.897		
9,800.00	7,048.64	7,329.27	7,024.45	84.52	89.40	79.69	-493.26	3,793.61	6,015.42	5,944.91	70.51	85.313		
9,900.00	7,046.53	7,327.74	7,022.92	87.14	89.40	79.54	-493.25	3,793.62	6,115.00	6,044.49	70.51	86.726		
10,000.00	7,044.43	7,326.21	7,021.39	89.78	89.40	79.39	-493.24	3,793.62	6,214.58	6,144.07	70.51	88.137		
10,100.00	7,042.32	7,324.68	7,019.87	92.43	89.40	79.23	-493.24	3,793.63	6,314.17	6,243.66	70.51	89.544		
10,200.00	7,040.21	7,323.17	7,018.35	95.09	89.39	79.08	-493.23	3,793.63	6,413.78	6,343.26	70.52	90.948		
10,300.00	7,038.10	7,321.65	7,016.83	97.76	89.39	78.93	-493.22	3,793.64	6,513.40	6,442.87	70.53	92.350		
10,400.00	7,035.99	7,320.14	7,015.33	100.44	89.39	78.78	-493.21	3,793.65	6,613.03	6,542.49	70.54	93.748		
10,500.00	7,033.88	7,318.64	7,013.82	103.13	89.39	78.63	-493.21	3,793.65	6,712.68	6,642.12	70.55	95.144		
10,600.00	7,031.78	7,317.14	7,012.32	105.82	89.39	78.48	-493.20	3,793.66	6,812.33	6,741.76	70.57	96.536		
10,700.00	7,029.67	7,315.65	7,010.83	108.53	89.38	78.33	-493.19	3,793.66	6,911.99	6,841.41	70.58	97.925		
10,800.00	7,027.56	7,314.16	7,009.34	111.24	89.38	78.18	-493.19	3,793.67	7,011.66	6,941.06	70.60	99.311		
10,900.00	7,025.45	7,312.67	7,007.86	113.96	89.38	78.04	-493.18	3,793.68	7,111.34	7,040.72	70.62	100.694		
11,000.00	7,023.34	7,311.20	7,006.38	116.68	89.38	77.89	-493.17	3,793.68	7,211.03	7,140.38	70.65	102.074		
11,100.00	7,021.23	7,309.72	7,004.90	119.41	89.37	77.75	-493.17	3,793.69	7,310.72	7,240.06	70.67	103.451		
11,200.00	7,019.13	7,308.25	7,003.43	122.15	89.37	77.60	-493.16	3,793.69	7,410.43	7,339.74	70.69	104.824		
11,300.00	7,017.02	7,306.79	7,001.97	124.89	89.37	77.46	-493.15	3,793.70	7,510.14	7,439.42	70.72	106.195		
11,400.00	7,014.91	7,305.33	7,000.51	127.63	89.37	77.31	-493.15	3,793.71	7,609.86	7,539.11	70.75	107.562		
11,500.00	7,012.80	7,303.87	6,999.05	130.38	89.37	77.17	-493.14	3,793.71	7,709.59	7,638.81	70.78	108.926		
11,600.00	7,010.69	7,302.42	6,997.60	133.14	89.36	77.03	-493.13	3,793.72	7,809.32	7,738.51	70.81	110.286		
11,700.00	7,008.58	7,300.98	6,996.16	135.89	89.36	76.88	-493.12	3,793.72	7,909.06	7,838.22	70.84	111.644		
11,800.00	7,006.47	7,300.00	6,995.18	138.65	89.36	76.79	-493.12	3,793.73	8,008.80	7,937.93	70.88	112.995		
11,900.00	7,004.37	7,298.21	6,993.39	141.42	89.36	76.61	-493.11	3,793.74	8,108.55	8,037.64	70.91	114.348		
12,000.00	7,002.26	7,296.86	6,992.05	144.19	89.36	76.48	-493.10	3,793.74	8,208.31	8,137.36	70.95	115.694		
12,100.00	7,000.15	7,295.52	6,990.71	146.96	89.35	76.35	-493.10	3,793.75	8,308.07	8,237.09	70.99	117.038		
12,200.00	6,998.04	7,294.19	6,989.37	149.73	89.35	76.22	-493.09	3,793.75	8,407.84	8,336.82	71.03	118.378		
12,300.00	6,995.93	7,292.86	6,988.05	152.51	89.35	76.09	-493.09	3,793.76	8,507.62	8,436.55	71.07	119.714		
12,400.00	6,993.82	7,291.54	6,986.73	155.28	89.35	75.96	-493.08	3,793.77	8,607.39	8,536.29	71.11	121.047		
12,500.00	6,991.72	7,290.23	6,985.41	158.06	89.35	75.83	-493.07	3,793.77	8,707.18	8,636.03	71.15	122.377		
12,600.00	6,989.61	7,288.92	6,984.10	160.85	89.34	75.71	-493.07	3,793.78	8,806.96	8,735.77	71.19	123.703		
12,700.00	6,987.50	7,287.61	6,982.80	163.63	89.34	75.58	-493.06	3,793.78	8,906.76	8,835.52	71.24	125.026		
12,800.00	6,985.39	7,286.32	6,981.50	166.42	89.34	75.45	-493.05	3,793.79	9,006.55	8,935.27	71.29	126.345		
12,900.00	6,983.28	7,285.02	6,980.21	169.21	89.34	75.33	-493.05	3,793.80	9,106.35	9,035.02	71.33	127.660		
13,000.00	6,981.17	7,283.74	6,978.92	172.00	89.34	75.20	-493.04	3,793.80	9,206.16	9,134.78	71.38	128.972		
13,100.00	6,979.07	7,282.46	6,977.64	174.79	89.34	75.08	-493.03	3,793.81	9,305.97	9,234.54	71.43	130.280		
13,200.00	6,976.96	7,281.18	6,976.37	177.59	89.33	74.96	-493.03	3,793.82	9,405.78	9,334.30	71.48	131.585		
13,300.00	6,974.85	7,279.91	6,975.10	180.38	89.33	74.83	-493.02	3,793.82	9,505.60	9,434.07	71.53	132.885		
13,400.00	6,972.74	7,278.65	6,973.83	183.18	89.33	74.71	-493.02	3,793.83	9,605.42	9,533.83	71.58	134.183		
13,500.00	6,970.63	7,277.39	6,972.57	185.98	89.33	74.59	-493.01	3,793.83	9,705.24	9,633.60	71.64	135.476		
13,600.00	6,968.52	7,276.14	6,971.32	188.78	89.33	74.47	-493.00	3,793.84	9,805.07	9,733.38	71.69	136.766		
13,700.00	6,966.41	7,274.89	6,970.08	191.58	89.33	74.35	-493.00	3,793.85	9,904.90	9,833.15	71.75	138.052		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	95.61	-550.90	5,611.06	5,638.26					
100.00	100.00	39.64	39.64	3.28	3.28	95.61	-550.79	5,611.11	5,638.08	5,631.52	6.57	858.690		
200.00	200.00	471.14	470.23	3.34	3.94	95.39	-529.07	5,603.50	5,637.52	5,630.26	7.26	776.368		
300.00	299.98	697.90	694.46	3.44	4.93	-51.69	-498.33	5,590.23	5,628.89	5,620.61	8.28	679.652		
400.00	399.84	1,239.46	1,219.05	3.59	8.78	-53.36	-377.66	5,538.79	5,615.11	5,603.11	12.00	467.998		
500.00	499.45	1,363.23	1,335.54	3.79	10.01	-54.18	-339.06	5,522.68	5,594.30	5,580.99	13.31	420.437		
600.00	598.70	1,471.18	1,437.19	4.04	11.07	-55.01	-305.76	5,508.12	5,571.34	5,556.84	14.50	384.204		
700.00	697.47	1,550.89	1,512.38	4.32	11.82	-55.78	-281.69	5,497.20	5,546.61	5,531.15	15.46	358.810		
773.50	769.68	1,602.69	1,561.39	4.55	12.30	-56.35	-266.43	5,490.20	5,527.57	5,511.45	16.12	342.822		
800.00	795.65	1,624.53	1,582.08	4.64	12.49	-56.46	-260.08	5,487.27	5,520.59	5,504.21	16.39	336.901		
900.00	893.65	1,707.35	1,660.65	5.00	13.21	-56.85	-236.37	5,476.15	5,494.51	5,477.12	17.39	315.895		
1,000.00	991.65	1,761.10	1,711.77	5.38	13.65	-57.10	-221.33	5,469.11	5,469.07	5,450.90	18.17	300.955		
1,100.00	1,089.66	1,818.44	1,766.44	5.78	14.12	-57.37	-205.61	5,461.89	5,444.43	5,425.43	19.00	286.553		
1,200.00	1,187.66	1,877.70	1,823.05	6.20	14.57	-57.64	-189.62	5,454.73	5,420.59	5,400.74	19.85	273.143		
1,300.00	1,285.66	1,969.39	1,910.82	6.63	15.26	-58.07	-165.39	5,443.93	5,397.35	5,376.43	20.92	257.995		
1,400.00	1,383.67	2,073.44	2,010.53	7.07	16.02	-58.54	-138.48	5,431.34	5,374.16	5,352.08	22.08	243.372		
1,500.00	1,481.67	2,204.69	2,136.18	7.51	17.00	-59.15	-104.32	5,414.84	5,350.87	5,327.42	23.45	228.188		
1,600.00	1,579.67	2,251.14	2,180.64	7.97	17.34	-59.37	-92.20	5,408.99	5,327.86	5,303.61	24.25	219.741		
1,700.00	1,677.67	2,300.00	2,227.49	8.43	17.70	-59.60	-79.60	5,403.18	5,305.80	5,280.73	25.07	211.646		
1,800.00	1,775.68	2,369.14	2,293.83	8.90	18.19	-59.92	-61.78	5,395.33	5,284.55	5,258.52	26.02	203.072		
1,900.00	1,873.68	2,481.63	2,401.57	9.37	19.00	-60.46	-32.03	5,382.70	5,263.77	5,236.48	27.29	192.900		
2,000.00	1,971.68	2,609.94	2,524.02	9.84	19.97	-61.09	3.07	5,367.28	5,242.60	5,213.90	28.70	182.642		
2,100.00	2,069.69	2,729.37	2,637.38	10.32	20.95	-61.71	37.51	5,352.20	5,221.32	5,191.18	30.14	173.235		
2,200.00	2,167.69	2,833.87	2,735.84	10.80	21.87	-62.27	69.56	5,338.09	5,199.64	5,168.11	31.52	164.943		
2,300.00	2,265.69	2,887.49	2,786.43	11.28	22.34	-62.56	85.86	5,331.07	5,178.76	5,146.26	32.50	159.328		
2,400.00	2,363.69	2,993.58	2,886.97	11.77	23.23	-63.12	116.89	5,317.45	5,158.50	5,124.64	33.87	152.324		
2,500.00	2,461.70	3,095.07	2,983.09	12.25	24.08	-63.66	146.52	5,303.98	5,138.24	5,103.04	35.20	145.953		
2,600.00	2,559.70	3,147.49	3,032.71	12.74	24.50	-63.94	161.97	5,297.10	5,118.56	5,082.41	36.15	141.591		
2,700.00	2,657.70	3,200.00	3,082.80	13.23	24.92	-64.21	176.34	5,290.67	5,099.89	5,062.79	37.10	137.478		
2,800.00	2,755.71	3,276.49	3,156.08	13.72	25.46	-64.60	196.37	5,281.72	5,082.01	5,043.85	38.16	133.188		
2,900.00	2,853.71	3,403.32	3,277.61	14.21	26.36	-65.24	229.35	5,266.67	5,064.37	5,024.82	39.55	128.050		
3,000.00	2,951.71	3,457.16	3,329.30	14.70	26.73	-65.51	242.98	5,260.26	5,046.97	5,006.52	40.45	124.769		
3,100.00	3,049.71	3,560.94	3,429.42	15.20	27.40	-66.02	267.69	5,248.57	5,030.40	4,988.76	41.64	120.815		
3,200.00	3,147.72	3,644.74	3,510.38	15.69	27.93	-66.42	286.90	5,238.66	5,013.54	4,970.86	42.69	117.448		
3,300.00	3,245.72	3,700.00	3,563.83	16.19	28.28	-66.69	299.53	5,232.52	4,997.64	4,954.06	43.57	114.697		
3,400.00	3,343.72	3,862.41	3,720.08	16.69	29.38	-67.51	339.65	5,213.86	4,982.19	4,937.03	45.16	110.321		
3,500.00	3,441.73	3,982.47	3,833.76	17.18	30.38	-68.19	374.53	5,197.39	4,965.45	4,918.78	46.67	106.395		
3,600.00	3,539.73	4,057.24	3,903.92	17.68	31.07	-68.63	398.13	5,186.84	4,949.25	4,901.35	47.90	103.323		
3,700.00	3,637.73	4,125.40	3,967.77	18.18	31.70	-69.04	420.02	5,177.34	4,933.79	4,884.72	49.07	100.536		
3,800.00	3,735.73	4,189.35	4,028.01	18.68	32.27	-69.41	439.72	5,168.85	4,919.20	4,869.00	50.19	98.005		
3,900.00	3,833.74	4,241.98	4,077.88	19.18	32.69	-69.71	455.21	5,162.28	4,905.55	4,854.38	51.17	95.863		
4,000.00	3,931.74	4,300.00	4,133.07	19.67	33.14	-70.04	471.80	5,155.60	4,893.02	4,840.84	52.18	93.776		
4,100.00	4,029.74	4,377.87	4,207.07	20.17	33.74	-70.48	494.41	5,146.88	4,881.31	4,827.99	53.32	91.541		
4,200.00	4,127.75	4,522.47	4,343.86	20.67	34.91	-71.32	537.93	5,129.45	4,869.58	4,814.56	55.02	88.504		
4,300.00	4,225.75	4,614.55	4,430.82	21.18	35.69	-71.87	565.82	5,117.61	4,857.70	4,801.35	56.34	86.216		
4,400.00	4,323.75	4,677.52	4,489.95	21.68	36.25	-72.25	585.88	5,109.43	4,846.53	4,789.06	57.46	84.343		
4,500.00	4,421.76	4,854.86	4,656.28	22.18	37.87	-73.34	642.30	5,085.08	4,835.25	4,775.67	59.58	81.152		
4,600.00	4,519.76	4,931.74	4,728.81	22.68	38.54	-73.80	665.32	5,074.11	4,823.70	4,762.89	60.80	79.331		
4,700.00	4,617.76	4,987.65	4,781.69	23.18	39.02	-74.13	681.80	5,066.53	4,813.12	4,751.28	61.84	77.836		
4,800.00	4,715.76	5,046.97	4,837.91	23.68	39.50	-74.48	699.14	5,058.90	4,803.57	4,740.70	62.87	76.403		
4,900.00	4,813.77	5,112.09	4,899.69	24.18	40.01	-74.87	718.10	5,050.92	4,794.99	4,731.05	63.93	75.002		
5,000.00	4,911.77	5,213.16	4,996.28	24.69	40.75	-75.44	745.45	5,039.22	4,786.93	4,721.73	65.20	73.414		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,272.36	5,053.53	25.19	41.08	-75.75	759.26	5,033.24	4,779.52	4,713.45	66.07	72.336		
5,200.00	5,107.78	5,345.87	5,125.35	25.69	41.44	-76.10	773.63	5,027.10	4,772.91	4,705.94	66.97	71.275		
5,300.00	5,205.78	5,429.55	5,207.87	26.19	41.77	-76.45	786.32	5,021.60	4,766.85	4,699.02	67.82	70.284		
5,400.00	5,303.78	5,520.14	5,297.75	26.70	42.07	-76.79	796.63	5,016.97	4,761.13	4,692.49	68.64	69.365		
5,500.00	5,401.78	5,609.33	5,386.48	27.20	42.33	-77.11	804.84	5,013.20	4,755.71	4,686.29	69.42	68.507		
5,600.00	5,499.79	5,694.13	5,470.99	27.70	42.56	-77.39	811.27	5,010.29	4,750.64	4,680.47	70.17	67.701		
5,700.00	5,597.79	5,768.75	5,545.43	28.21	42.76	-77.62	815.93	5,008.37	4,746.04	4,675.16	70.88	66.956		
5,800.00	5,695.79	5,868.00	5,644.54	28.71	43.01	-77.92	820.81	5,006.67	4,741.90	4,670.25	71.65	66.184		
5,900.00	5,793.80	6,001.87	5,778.36	29.22	43.34	-78.28	824.12	5,004.93	4,737.41	4,664.92	72.48	65.360		
6,000.00	5,891.80	6,100.33	5,876.81	29.72	43.58	-78.53	825.16	5,003.75	4,732.59	4,659.35	73.23	64.623		
6,100.00	5,989.80	6,210.69	5,987.16	30.22	43.85	-78.80	826.17	5,002.31	4,727.71	4,653.70	74.01	63.876		
6,200.00	6,087.80	6,320.48	6,096.93	30.73	44.13	-79.08	827.16	5,000.59	4,722.69	4,647.89	74.80	63.141		
6,300.00	6,185.81	6,428.02	6,204.45	31.23	44.40	-79.36	828.04	4,998.61	4,717.47	4,641.90	75.58	62.421		
6,400.00	6,283.81	6,517.10	6,293.51	31.74	44.64	-79.59	829.18	4,996.79	4,712.35	4,636.03	76.32	61.746		
6,500.00	6,381.81	6,591.69	6,368.07	32.24	44.83	-79.79	830.52	4,995.40	4,707.68	4,630.65	77.03	61.115		
6,520.79	6,402.19	6,608.80	6,385.17	32.35	44.88	-79.83	830.88	4,995.12	4,706.78	4,629.60	77.18	60.983		
6,549.64	6,430.52	6,635.13	6,411.49	32.49	44.95	-92.10	831.46	4,994.68	4,706.16	4,628.76	77.40	60.806 CC		
6,550.00	6,430.87	6,635.46	6,411.82	32.49	44.95	-92.27	831.47	4,994.67	4,706.16	4,628.76	77.40	60.804 ES		
6,600.00	6,480.12	6,681.26	6,457.60	32.72	45.07	-117.76	832.57	4,993.89	4,708.04	4,630.29	77.76	60.548		
6,650.00	6,529.30	6,726.60	6,502.92	32.93	45.19	-141.14	833.76	4,993.12	4,713.63	4,635.54	78.09	60.360		
6,700.00	6,578.09	6,771.36	6,547.66	33.12	45.31	-157.47	834.95	4,992.38	4,722.87	4,644.47	78.40	60.238		
6,750.00	6,626.21	6,816.82	6,593.09	33.30	45.43	-168.10	836.16	4,991.68	4,735.72	4,657.02	78.70	60.174		
6,800.00	6,673.34	6,863.72	6,639.97	33.46	45.56	-175.32	837.41	4,990.95	4,752.04	4,673.05	78.99	60.162 SF		
6,850.00	6,719.21	6,911.16	6,687.39	33.61	45.69	-179.40	838.69	4,990.22	4,771.74	4,692.47	79.26	60.201		
6,900.00	6,763.53	6,963.68	6,739.88	33.75	45.83	-175.24	840.26	4,989.27	4,794.63	4,715.08	79.54	60.276		
6,950.00	6,806.03	7,014.24	6,790.39	33.89	45.97	-171.73	841.96	4,988.19	4,820.55	4,740.74	79.81	60.401		
7,000.00	6,846.44	7,061.27	6,837.38	34.02	46.11	-168.55	843.74	4,987.02	4,849.37	4,769.31	80.06	60.571		
7,050.00	6,884.52	7,106.13	6,882.18	34.15	46.23	-165.49	845.62	4,985.76	4,880.91	4,800.61	80.30	60.787		
7,100.00	6,920.03	7,135.45	6,911.46	34.27	46.32	-162.34	846.97	4,984.90	4,915.05	4,834.56	80.48	61.069		
7,150.00	6,952.75	7,164.06	6,940.02	34.40	46.40	-158.98	848.37	4,984.05	4,951.60	4,870.94	80.66	61.388		
7,200.00	6,982.48	7,190.18	6,966.10	34.54	46.48	-155.22	849.74	4,983.26	4,990.35	4,909.53	80.82	61.746		
7,250.00	7,009.04	7,211.33	6,987.20	34.70	46.54	-150.85	850.91	4,982.61	5,031.04	4,950.08	80.96	62.142		
7,300.00	7,032.26	7,228.44	7,004.27	34.87	46.59	-145.64	851.90	4,982.11	5,073.46	4,992.37	81.08	62.573		
7,350.00	7,052.00	7,243.10	7,018.90	35.08	46.64	-139.32	852.77	4,981.68	5,117.32	5,036.13	81.19	63.030		
7,400.00	7,068.14	7,255.24	7,031.01	35.34	46.67	-131.60	853.51	4,981.33	5,162.35	5,081.07	81.28	63.511		
7,450.00	7,080.57	7,264.78	7,040.53	35.65	46.70	-122.26	854.10	4,981.06	5,208.28	5,126.92	81.36	64.012		
7,500.00	7,089.23	7,271.69	7,047.42	36.01	46.72	-111.34	854.54	4,980.87	5,254.82	5,173.39	81.43	64.528		
7,550.00	7,094.06	7,275.93	7,051.66	36.44	46.74	-99.35	854.81	4,980.75	5,301.69	5,220.20	81.50	65.055		
7,601.12	7,095.00	7,277.51	7,053.23	36.93	46.74	-87.02	854.91	4,980.71	5,349.65	5,268.10	81.55	65.601		
7,700.00	7,092.92	7,277.85	7,053.57	38.05	46.74	-87.03	854.94	4,980.70	5,442.39	5,360.73	81.65	66.652		
7,800.00	7,090.81	7,278.19	7,053.90	39.40	46.74	-87.04	854.96	4,980.69	5,536.38	5,454.61	81.78	67.701		
7,900.00	7,088.70	7,278.52	7,054.24	40.93	46.74	-87.05	854.98	4,980.68	5,630.59	5,548.67	81.92	68.736		
8,000.00	7,086.59	7,278.86	7,054.58	42.61	46.75	-87.06	855.00	4,980.67	5,724.99	5,642.92	82.07	69.758		
8,100.00	7,084.49	7,279.19	7,054.91	44.41	46.75	-87.07	855.02	4,980.66	5,819.57	5,737.34	82.23	70.769		
8,200.00	7,082.38	7,279.52	7,055.24	46.33	46.75	-87.08	855.04	4,980.65	5,914.34	5,831.93	82.41	71.769		
8,300.00	7,080.27	7,279.85	7,055.57	48.34	46.75	-87.09	855.07	4,980.64	6,009.28	5,926.68	82.59	72.759		
8,400.00	7,078.16	7,280.18	7,055.90	50.43	46.75	-87.10	855.09	4,980.63	6,104.37	6,021.59	82.78	73.740		
8,500.00	7,076.05	7,280.51	7,056.22	52.59	46.75	-87.11	855.11	4,980.63	6,199.62	6,116.64	82.98	74.713		
8,600.00	7,073.94	7,280.83	7,056.54	54.82	46.75	-87.12	855.13	4,980.62	6,295.02	6,211.84	83.18	75.677		
8,700.00	7,071.84	7,281.15	7,056.87	57.10	46.75	-87.13	855.15	4,980.61	6,390.56	6,307.17	83.39	76.635		
8,800.00	7,069.73	7,281.47	7,057.19	59.44	46.75	-87.14	855.17	4,980.60	6,486.23	6,402.63	83.60	77.585		
8,900.00	7,067.62	7,281.79	7,057.50	61.81	46.75	-87.15	855.19	4,980.59	6,582.04	6,498.22	83.82	78.529		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	7,282.11	7,057.82	64.23	46.75	87.16	855.21	4,980.58	6,677.96	6,593.93	84.03	79.468		
9,100.00	7,063.40	7,282.43	7,058.14	66.68	46.76	87.17	855.23	4,980.57	6,774.00	6,689.75	84.25	80.401		
9,200.00	7,061.29	7,282.74	7,058.45	69.15	46.76	87.18	855.25	4,980.56	6,870.16	6,785.69	84.47	81.329		
9,300.00	7,059.18	7,283.05	7,058.76	71.66	46.76	87.19	855.27	4,980.56	6,966.42	6,881.73	84.70	82.253		
9,400.00	7,057.08	7,283.36	7,059.07	74.19	46.76	87.20	855.29	4,980.55	7,062.79	6,977.88	84.92	83.172		
9,500.00	7,054.97	7,283.67	7,059.38	76.75	46.76	87.21	855.31	4,980.54	7,159.26	7,074.12	85.14	84.087		
9,600.00	7,052.86	7,283.98	7,059.68	79.32	46.76	87.22	855.33	4,980.53	7,255.82	7,170.46	85.36	84.999		
9,700.00	7,050.75	7,284.28	7,059.99	81.91	46.76	87.23	855.35	4,980.52	7,352.48	7,266.89	85.59	85.907		
9,800.00	7,048.64	7,284.59	7,060.29	84.52	46.76	87.23	855.37	4,980.51	7,449.22	7,363.41	85.81	86.812		
9,900.00	7,046.53	7,284.89	7,060.59	87.14	46.76	87.24	855.39	4,980.51	7,546.05	7,460.02	86.03	87.714		
10,000.00	7,044.43	7,285.19	7,060.89	89.78	46.76	87.25	855.41	4,980.50	7,642.96	7,556.71	86.25	88.613		
10,100.00	7,042.32	7,285.49	7,061.19	92.43	46.77	87.26	855.43	4,980.49	7,739.95	7,653.48	86.47	89.509		
10,200.00	7,040.21	7,285.78	7,061.49	95.09	46.77	87.27	855.45	4,980.48	7,837.01	7,750.32	86.69	90.403		
10,300.00	7,038.10	7,286.08	7,061.78	97.76	46.77	87.28	855.47	4,980.47	7,934.15	7,847.24	86.91	91.295		
10,400.00	7,035.99	7,286.37	7,062.07	100.44	46.77	87.29	855.49	4,980.47	8,031.36	7,944.23	87.12	92.184		
10,500.00	7,033.88	7,286.67	7,062.36	103.13	46.77	87.30	855.51	4,980.46	8,128.63	8,041.29	87.34	93.071		
10,600.00	7,031.78	7,286.96	7,062.65	105.82	46.77	87.31	855.53	4,980.45	8,225.97	8,138.42	87.55	93.956		
10,700.00	7,029.67	7,287.25	7,062.94	108.53	46.77	87.32	855.55	4,980.44	8,323.38	8,235.61	87.76	94.840		
10,800.00	7,027.56	7,287.53	7,063.23	111.24	46.77	87.32	855.57	4,980.43	8,420.84	8,332.87	87.97	95.721		
10,900.00	7,025.45	7,287.82	7,063.52	113.96	46.77	87.33	855.58	4,980.43	8,518.36	8,430.18	88.18	96.601		
11,000.00	7,023.34	7,288.10	7,063.80	116.68	46.77	87.34	855.60	4,980.42	8,615.94	8,527.56	88.39	97.479		
11,100.00	7,021.23	7,300.00	7,075.66	119.41	46.81	87.71	856.39	4,980.10	8,713.59	8,624.96	88.63	98.312		
11,200.00	7,019.13	7,300.00	7,075.66	122.15	46.81	87.71	856.39	4,980.10	8,811.28	8,722.44	88.83	99.188		
11,300.00	7,017.02	7,300.00	7,075.66	124.89	46.81	87.71	856.39	4,980.10	8,909.02	8,819.98	89.04	100.062		
11,400.00	7,014.91	7,300.00	7,075.66	127.63	46.81	87.71	856.39	4,980.10	9,006.80	8,917.57	89.23	100.934		
11,500.00	7,012.80	7,300.00	7,075.66	130.38	46.81	87.71	856.39	4,980.10	9,104.64	9,015.21	89.43	101.806		
11,600.00	7,010.69	7,300.00	7,075.66	133.14	46.81	87.71	856.39	4,980.10	9,202.52	9,112.90	89.63	102.675		
11,700.00	7,008.58	7,300.00	7,075.66	135.89	46.81	87.71	856.39	4,980.10	9,300.45	9,210.63	89.82	103.544		
11,800.00	7,006.47	7,300.00	7,075.66	138.65	46.81	87.71	856.39	4,980.10	9,398.42	9,308.41	90.01	104.411		
11,900.00	7,004.37	7,300.00	7,075.66	141.42	46.81	87.71	856.39	4,980.10	9,496.43	9,406.23	90.20	105.277		
12,000.00	7,002.26	7,300.00	7,075.66	144.19	46.81	87.71	856.39	4,980.10	9,594.49	9,504.10	90.39	106.142		
12,100.00	7,000.15	7,300.00	7,075.66	146.96	46.81	87.71	856.39	4,980.10	9,692.58	9,602.00	90.58	107.005		
12,200.00	6,998.04	7,300.00	7,075.66	149.73	46.81	87.71	856.39	4,980.10	9,790.72	9,699.95	90.77	107.868		
12,300.00	6,995.93	7,300.00	7,075.66	152.51	46.81	87.71	856.39	4,980.10	9,888.89	9,797.94	90.95	108.729		
12,400.00	6,993.82	7,300.00	7,075.66	155.28	46.81	87.71	856.39	4,980.10	9,987.09	9,895.96	91.13	109.588		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	96.05	-592.44	5,587.41	5,618.95					
100.00	100.00	53.96	53.96	3.28	3.28	96.05	-592.42	5,587.39	5,618.71	5,612.14	6.57	855.619		
200.00	200.00	161.88	161.88	3.34	3.30	96.05	-592.27	5,587.25	5,618.57	5,611.93	6.64	846.651		
300.00	299.98	269.77	269.77	3.44	3.33	-50.62	-591.97	5,586.98	5,617.18	5,610.40	6.77	829.330		
400.00	399.84	377.50	377.50	3.59	3.38	-50.72	-591.53	5,586.57	5,613.44	5,606.46	6.97	804.847		
500.00	499.45	484.91	484.90	3.79	3.45	-50.90	-590.93	5,586.02	5,607.35	5,600.11	7.24	774.519		
600.00	598.70	591.85	591.83	4.04	3.53	-51.14	-590.20	5,585.34	5,598.95	5,591.39	7.56	740.296		
700.00	697.47	698.16	698.15	4.32	3.62	-51.45	-589.32	5,584.53	5,588.25	5,580.31	7.94	703.888		
773.50	769.68	775.82	775.80	4.55	3.70	-51.72	-588.59	5,583.86	5,578.95	5,570.70	8.25	676.507		
800.00	795.65	803.74	803.71	4.64	3.73	-51.77	-588.30	5,583.60	5,575.37	5,567.01	8.36	666.626		
900.00	893.65	909.02	908.99	5.00	3.84	-51.95	-587.15	5,582.54	5,561.83	5,553.00	8.82	630.392		
1,000.00	991.65	1,014.23	1,014.17	5.38	3.97	-52.13	-585.85	5,581.35	5,548.20	5,538.88	9.32	595.595		
1,100.00	1,089.66	1,119.35	1,119.28	5.78	4.10	-52.32	-584.42	5,580.03	5,534.48	5,524.65	9.84	562.681		
1,200.00	1,187.66	1,224.38	1,224.29	6.20	4.24	-52.51	-582.84	5,578.58	5,520.69	5,510.31	10.38	531.860		
1,300.00	1,285.66	1,331.29	1,331.17	6.63	4.44	-52.70	-581.10	5,576.96	5,506.82	5,495.83	10.99	501.228		
1,400.00	1,383.67	1,432.58	1,432.43	7.07	4.75	-52.89	-579.43	5,575.24	5,492.80	5,481.08	11.72	468.601		
1,500.00	1,481.67	1,520.29	1,520.13	7.51	5.03	-53.04	-578.33	5,573.84	5,478.98	5,466.54	12.44	440.383		
1,600.00	1,579.67	1,641.54	1,641.35	7.97	5.45	-53.26	-576.95	5,571.88	5,465.22	5,451.93	13.29	411.118		
1,700.00	1,677.67	1,782.30	1,782.07	8.43	5.95	-53.51	-576.19	5,568.43	5,450.69	5,436.46	14.24	382.875		
1,800.00	1,775.68	3,109.51	3,091.94	8.90	11.50	-55.58	-591.51	5,390.57	5,434.62	5,415.06	19.56	277.865		
1,900.00	1,873.68	3,301.50	3,277.10	9.37	12.44	-55.86	-596.24	5,340.15	5,397.41	5,376.65	20.76	260.026		
2,000.00	1,971.68	3,330.04	3,304.62	9.84	12.58	-55.90	-596.51	5,332.59	5,359.95	5,338.59	21.36	250.932		
2,100.00	2,069.69	3,365.00	3,338.45	10.32	12.75	-55.96	-596.83	5,323.77	5,323.63	5,301.63	22.00	242.037		
2,200.00	2,167.69	3,412.07	3,384.11	10.80	12.99	-56.04	-597.49	5,312.33	5,288.25	5,265.57	22.68	233.155		
2,300.00	2,265.69	3,695.47	3,657.99	11.28	14.42	-56.46	-605.81	5,240.10	5,252.74	5,228.51	24.23	216.781		
2,400.00	2,363.69	2,400.00	3,841.13	11.77	8.12	-56.73	-612.99	5,185.56	5,213.69	5,194.99	18.70	278.796		
2,500.00	2,461.70	4,015.12	3,963.52	12.25	16.14	-56.91	-617.88	5,146.98	5,173.06	5,146.62	26.44	195.644		
2,600.00	2,559.70	4,021.00	3,969.12	12.74	16.17	-56.92	-618.08	5,145.21	5,133.04	5,106.03	27.01	190.030		
2,700.00	2,657.70	4,074.60	4,020.37	13.23	16.46	-57.00	-620.08	5,129.62	5,093.76	5,066.00	27.75	183.535		
2,800.00	2,755.71	4,115.00	4,059.22	13.72	16.68	-57.06	-621.73	5,118.69	5,055.89	5,027.44	28.45	177.684		
2,900.00	2,853.71	4,115.00	4,059.22	14.21	16.68	-57.06	-621.73	5,118.69	5,019.21	4,990.19	29.02	172.971		
3,000.00	2,951.71	4,176.51	4,118.66	14.70	17.00	-57.15	-624.23	5,103.07	4,983.36	4,953.56	29.80	167.240		
3,100.00	3,049.71	4,208.00	4,149.19	15.20	17.17	-57.20	-625.42	5,095.46	4,948.67	4,918.20	30.48	162.377		
3,200.00	3,147.72	4,256.93	4,196.76	15.69	17.42	-57.28	-627.21	5,084.15	4,914.98	4,883.76	31.22	157.446		
3,300.00	3,245.72	4,302.00	4,240.71	16.19	17.65	-57.35	-628.86	5,074.27	4,882.34	4,850.39	31.95	152.828		
3,400.00	3,343.72	4,337.19	4,275.11	16.69	17.82	-57.41	-630.11	5,066.94	4,850.75	4,818.11	32.64	148.605		
3,500.00	3,441.73	4,396.00	4,332.75	17.18	18.11	-57.50	-632.05	5,055.48	4,820.36	4,786.94	33.42	144.232		
3,600.00	3,539.73	4,424.65	4,360.90	17.68	18.25	-57.55	-632.92	5,050.19	4,790.86	4,756.76	34.09	140.516		
3,700.00	3,637.73	4,490.00	4,425.18	18.18	18.57	-57.67	-634.74	5,038.56	4,762.29	4,727.40	34.90	136.465		
3,800.00	3,735.73	4,522.46	4,457.16	18.68	18.73	-57.72	-635.56	5,033.10	4,734.64	4,699.05	35.58	133.055		
3,900.00	3,833.74	4,583.00	4,516.97	19.18	19.01	-57.83	-636.95	5,023.78	4,708.31	4,671.94	36.37	129.458		
4,000.00	3,931.74	4,583.00	4,516.97	19.67	19.01	-57.83	-636.95	5,023.78	4,682.99	4,646.05	36.94	126.783		
4,100.00	4,029.74	4,627.62	4,561.16	20.17	19.22	-57.92	-637.86	5,017.77	4,659.03	4,621.37	37.66	123.714		
4,200.00	4,127.75	4,677.00	4,610.22	20.67	19.44	-58.01	-638.74	5,012.13	4,636.61	4,598.21	38.40	120.748		
4,300.00	4,225.75	4,698.46	4,631.57	21.18	19.53	-58.05	-639.05	5,009.97	4,615.34	4,576.31	39.03	118.249		
4,400.00	4,323.75	4,747.66	4,680.55	21.68	19.75	-58.15	-639.53	5,005.36	4,595.28	4,555.52	39.76	115.570		
4,500.00	4,421.76	4,771.00	4,703.80	22.18	19.85	-58.20	-639.62	5,003.35	4,576.42	4,536.03	40.39	113.303		
4,600.00	4,519.76	4,830.29	4,762.92	22.68	20.10	-58.33	-639.42	4,998.96	4,558.60	4,517.45	41.15	110.773		
4,700.00	4,617.76	4,864.00	4,796.57	23.18	20.25	-58.41	-638.99	4,996.98	4,542.21	4,500.39	41.81	108.635		
4,800.00	4,715.76	4,917.20	4,849.71	23.68	20.47	-58.54	-638.21	4,994.47	4,527.00	4,484.46	42.54	106.414		
4,900.00	4,813.77	4,958.00	4,890.48	24.18	20.64	-58.63	-637.71	4,993.00	4,512.96	4,469.74	43.22	104.423		
5,000.00	4,911.77	5,031.02	4,963.47	24.69	20.94	-58.80	-637.07	4,991.03	4,499.83	4,455.80	44.02	102.217		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,065.90	4,998.34	25.19	21.08	-58.88	-636.88	4,990.29	4,487.63	4,442.96	44.67	100.472		
5,200.00	5,107.78	5,065.90	4,998.34	25.69	21.08	-58.88	-636.88	4,990.29	4,477.43	4,432.29	45.15	99.173		
5,300.00	5,205.78	5,065.90	4,998.34	26.19	21.08	-58.88	-636.88	4,990.29	4,469.46	4,423.85	45.61	97.993		
5,400.00	5,303.78	5,065.90	4,998.34	26.70	21.08	-58.88	-636.88	4,990.29	4,463.70	4,417.65	46.05	96.928		
5,500.00	5,401.78	5,065.90	4,998.34	27.20	21.08	-58.88	-636.88	4,990.29	4,460.19	4,413.71	46.47	95.975		
5,600.00	5,499.79	5,065.90	4,998.34	27.70	21.08	-58.88	-636.88	4,990.29	4,458.91	4,412.04	46.87	95.132		
5,606.94	5,506.59	5,065.90	4,998.34	27.74	21.08	-58.88	-636.88	4,990.29	4,458.90	4,412.01	46.90	95.078	CC, ES	
5,700.00	5,597.79	5,065.90	4,998.34	28.21	21.08	-58.88	-636.88	4,990.29	4,459.88	4,412.63	47.25	94.396		
5,800.00	5,695.79	5,065.90	4,998.34	28.71	21.08	-58.88	-636.88	4,990.29	4,463.08	4,415.48	47.60	93.765		
5,900.00	5,793.80	5,065.90	4,998.34	29.22	21.08	-58.88	-636.88	4,990.29	4,468.52	4,420.60	47.93	93.235		
6,000.00	5,891.80	5,065.90	4,998.34	29.72	21.08	-58.88	-636.88	4,990.29	4,476.20	4,427.96	48.23	92.805		
6,100.00	5,989.80	5,065.90	4,998.34	30.22	21.08	-58.88	-636.88	4,990.29	4,486.08	4,437.57	48.51	92.472		
6,200.00	6,087.80	5,065.90	4,998.34	30.73	21.08	-58.88	-636.88	4,990.29	4,498.17	4,449.40	48.77	92.233		
6,300.00	6,185.81	5,065.90	4,998.34	31.23	21.08	-58.88	-636.88	4,990.29	4,512.45	4,463.44	49.00	92.086		
6,400.00	6,283.81	5,065.90	4,998.34	31.74	21.08	-58.88	-636.88	4,990.29	4,528.88	4,479.67	49.21	92.030	SF	
6,500.00	6,381.81	5,065.90	4,998.34	32.24	21.08	-58.88	-636.88	4,990.29	4,547.46	4,498.06	49.40	92.061		
6,520.79	6,402.19	5,065.90	4,998.34	32.35	21.08	-58.88	-636.88	4,990.29	4,551.59	4,502.16	49.43	92.078		
6,550.00	6,430.87	5,065.90	4,998.34	32.49	21.08	-71.27	-636.88	4,990.29	4,558.20	4,508.72	49.48	92.123		
6,600.00	6,480.12	5,065.90	4,998.34	32.72	21.08	-96.59	-636.88	4,990.29	4,572.91	4,523.36	49.55	92.295		
6,650.00	6,529.30	5,065.90	4,998.34	32.93	21.08	-119.70	-636.88	4,990.29	4,591.80	4,542.21	49.59	92.594		
6,700.00	6,578.09	5,065.90	4,998.34	33.12	21.08	-135.64	-636.88	4,990.29	4,614.71	4,565.10	49.61	93.017		
6,750.00	6,626.21	5,065.90	4,998.34	33.30	21.08	-145.76	-636.88	4,990.29	4,641.43	4,591.82	49.61	93.554		
6,800.00	6,673.34	5,065.90	4,998.34	33.46	21.08	-152.34	-636.88	4,990.29	4,671.73	4,622.14	49.60	94.192		
6,850.00	6,719.21	5,065.90	4,998.34	33.61	21.08	-156.83	-636.88	4,990.29	4,705.37	4,655.80	49.57	94.919		
6,900.00	6,763.53	5,065.90	4,998.34	33.75	21.08	-160.04	-636.88	4,990.29	4,742.06	4,692.52	49.54	95.725		
6,950.00	6,806.03	5,065.90	4,998.34	33.89	21.08	-162.41	-636.88	4,990.29	4,781.51	4,732.01	49.50	96.598		
7,000.00	6,846.44	5,065.90	4,998.34	34.02	21.08	-164.22	-636.88	4,990.29	4,823.41	4,773.95	49.46	97.527		
7,050.00	6,884.52	5,065.90	4,998.34	34.15	21.08	-165.64	-636.88	4,990.29	4,867.45	4,818.03	49.42	98.501		
7,100.00	6,920.03	5,065.90	4,998.34	34.27	21.08	-166.78	-636.88	4,990.29	4,913.30	4,863.92	49.38	99.508		
7,150.00	6,952.75	5,065.90	4,998.34	34.40	21.08	-167.73	-636.88	4,990.29	4,960.62	4,911.28	49.34	100.537		
7,200.00	6,982.48	5,065.90	4,998.34	34.54	21.08	-168.55	-636.88	4,990.29	5,009.10	4,959.79	49.31	101.576		
7,250.00	7,009.04	5,065.90	4,998.34	34.70	21.08	-169.38	-636.88	4,990.29	5,058.40	5,009.11	49.30	102.615		
7,300.00	7,032.26	5,065.90	4,998.34	34.87	21.08	-170.99	-636.88	4,990.29	5,108.21	5,058.92	49.29	103.641		
7,350.00	7,052.00	5,065.90	4,998.34	35.08	21.08	13.11	-636.88	4,990.29	5,158.19	5,108.90	49.29	104.643		
7,400.00	7,068.14	5,065.90	4,998.34	35.34	21.08	10.99	-636.88	4,990.29	5,208.05	5,158.74	49.31	105.612		
7,450.00	7,080.57	5,065.90	4,998.34	35.65	21.08	10.47	-636.88	4,990.29	5,257.49	5,208.14	49.35	106.535		
7,500.00	7,089.23	5,065.90	4,998.34	36.01	21.08	10.20	-636.88	4,990.29	5,306.21	5,256.80	49.40	107.405		
7,550.00	7,094.06	5,065.90	4,998.34	36.44	21.08	10.05	-636.88	4,990.29	5,353.94	5,304.46	49.48	108.211		
7,601.12	7,095.00	5,065.90	4,998.34	36.93	21.08	9.99	-636.88	4,990.29	5,401.44	5,351.86	49.57	108.963		
7,700.00	7,092.92	5,065.90	4,998.34	38.05	21.08	9.99	-636.88	4,990.29	5,492.02	5,442.24	49.78	110.330		
7,800.00	7,090.81	5,065.90	4,998.34	39.40	21.08	9.99	-636.88	4,990.29	5,583.91	5,533.92	49.99	111.708		
7,900.00	7,088.70	5,065.90	4,998.34	40.93	21.08	9.99	-636.88	4,990.29	5,676.07	5,625.88	50.19	113.090		
8,000.00	7,086.59	5,065.90	4,998.34	42.61	21.08	9.99	-636.88	4,990.29	5,768.50	5,718.11	50.39	114.474		
8,100.00	7,084.49	5,065.90	4,998.34	44.41	21.08	9.99	-636.88	4,990.29	5,861.17	5,810.59	50.59	115.862		
8,200.00	7,082.38	5,065.90	4,998.34	46.33	21.08	9.99	-636.88	4,990.29	5,954.09	5,903.31	50.78	117.253		
8,300.00	7,080.27	5,065.90	4,998.34	48.34	21.08	9.99	-636.88	4,990.29	6,047.22	5,996.26	50.97	118.646		
8,400.00	7,078.16	5,065.90	4,998.34	50.43	21.08	9.99	-636.88	4,990.29	6,140.58	6,089.42	51.15	120.042		
8,500.00	7,076.05	5,065.90	4,998.34	52.59	21.08	9.99	-636.88	4,990.29	6,234.14	6,182.80	51.33	121.440		
8,600.00	7,073.94	5,065.90	4,998.34	54.82	21.08	9.99	-636.88	4,990.29	6,327.89	6,276.38	51.51	122.841		
8,700.00	7,071.84	5,065.90	4,998.34	57.10	21.08	9.99	-636.88	4,990.29	6,421.84	6,370.15	51.69	124.243		
8,800.00	7,069.73	5,065.90	4,998.34	59.44	21.08	9.99	-636.88	4,990.29	6,515.97	6,464.11	51.86	125.646		
8,900.00	7,067.62	5,065.90	4,998.34	61.81	21.08	9.99	-636.88	4,990.29	6,610.26	6,558.24	52.03	127.052		

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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,065.51	5,065.90	4,998.34	64.23	21.08	9.99	-636.88	4,990.29	6,704.73	6,652.53	52.19	128.458		
9,100.00	7,063.40	5,065.90	4,998.34	66.68	21.08	9.99	-636.88	4,990.29	6,799.35	6,746.99	52.36	129.866		
9,200.00	7,061.29	5,065.90	4,998.34	69.15	21.08	9.99	-636.88	4,990.29	6,894.12	6,841.61	52.52	131.275		
9,300.00	7,059.18	5,065.90	4,998.34	71.66	21.08	9.99	-636.88	4,990.29	6,989.04	6,936.37	52.67	132.684		
9,400.00	7,057.08	5,065.90	4,998.34	74.19	21.08	9.99	-636.88	4,990.29	7,084.10	7,031.27	52.83	134.095		
9,500.00	7,054.97	5,065.90	4,998.34	76.75	21.08	9.99	-636.88	4,990.29	7,179.29	7,126.31	52.98	135.505		
9,600.00	7,052.86	5,065.90	4,998.34	79.32	21.08	9.99	-636.88	4,990.29	7,274.62	7,221.48	53.13	136.916		
9,700.00	7,050.75	5,065.90	4,998.34	81.91	21.08	9.99	-636.88	4,990.29	7,370.06	7,316.78	53.28	138.327		
9,800.00	7,048.64	5,065.90	4,998.34	84.52	21.08	9.99	-636.88	4,990.29	7,465.63	7,412.20	53.43	139.738		
9,900.00	7,046.53	5,065.90	4,998.34	87.14	21.08	9.99	-636.88	4,990.29	7,561.31	7,507.74	53.57	141.149		
10,000.00	7,044.43	5,065.90	4,998.34	89.78	21.08	9.99	-636.88	4,990.29	7,657.10	7,603.39	53.71	142.560		
10,100.00	7,042.32	5,065.90	4,998.34	92.43	21.08	9.99	-636.88	4,990.29	7,753.00	7,699.14	53.85	143.970		
10,200.00	7,040.21	5,065.90	4,998.34	95.09	21.08	9.99	-636.88	4,990.29	7,848.99	7,795.01	53.99	145.380		
10,300.00	7,038.10	5,065.90	4,998.34	97.76	21.08	9.99	-636.88	4,990.29	7,945.09	7,890.97	54.13	146.789		
10,400.00	7,035.99	5,065.90	4,998.34	100.44	21.08	9.99	-636.88	4,990.29	8,041.29	7,987.02	54.26	148.197		
10,500.00	7,033.88	5,065.90	4,998.34	103.13	21.08	9.99	-636.88	4,990.29	8,137.57	8,083.18	54.39	149.604		
10,600.00	7,031.78	5,065.90	4,998.34	105.82	21.08	9.99	-636.88	4,990.29	8,233.94	8,179.42	54.53	151.010		
10,700.00	7,029.67	5,065.90	4,998.34	108.53	21.08	9.99	-636.88	4,990.29	8,330.40	8,275.75	54.66	152.415		
10,800.00	7,027.56	5,065.90	4,998.34	111.24	21.08	9.99	-636.88	4,990.29	8,426.94	8,372.16	54.78	153.818		
10,900.00	7,025.45	5,065.90	4,998.34	113.96	21.08	9.99	-636.88	4,990.29	8,523.57	8,468.65	54.91	155.221		
11,000.00	7,023.34	5,065.90	4,998.34	116.68	21.08	9.99	-636.88	4,990.29	8,620.26	8,565.23	55.04	156.621		
11,100.00	7,021.23	5,065.90	4,998.34	119.41	21.08	9.99	-636.88	4,990.29	8,717.04	8,661.87	55.16	158.020		
11,200.00	7,019.13	5,065.90	4,998.34	122.15	21.08	9.99	-636.88	4,990.29	8,813.88	8,758.59	55.29	159.417		
11,300.00	7,017.02	5,065.90	4,998.34	124.89	21.08	9.99	-636.88	4,990.29	8,910.80	8,855.39	55.41	160.813		
11,400.00	7,014.91	5,065.90	4,998.34	127.63	21.08	9.99	-636.88	4,990.29	9,007.78	8,952.25	55.53	162.206		
11,500.00	7,012.80	5,065.90	4,998.34	130.38	21.08	9.99	-636.88	4,990.29	9,104.83	9,049.17	55.65	163.598		
11,600.00	7,010.69	5,065.90	4,998.34	133.14	21.08	9.99	-636.88	4,990.29	9,201.94	9,146.16	55.77	164.987		
11,700.00	7,008.58	5,065.90	4,998.34	135.89	21.08	9.99	-636.88	4,990.29	9,299.11	9,243.21	55.89	166.374		
11,800.00	7,006.47	5,065.90	4,998.34	138.65	21.08	9.99	-636.88	4,990.29	9,396.34	9,340.33	56.01	167.759		
11,900.00	7,004.37	5,065.90	4,998.34	141.42	21.08	9.99	-636.88	4,990.29	9,493.63	9,437.50	56.13	169.142		
12,000.00	7,002.26	5,065.90	4,998.34	144.19	21.08	9.99	-636.88	4,990.29	9,590.97	9,534.73	56.24	170.522		
12,100.00	7,000.15	5,065.90	4,998.34	146.96	21.08	9.99	-636.88	4,990.29	9,688.37	9,632.01	56.36	171.899		
12,200.00	6,998.04	5,065.90	4,998.34	149.73	21.08	9.99	-636.88	4,990.29	9,785.82	9,729.35	56.48	173.274		
12,300.00	6,995.93	5,065.90	4,998.34	152.51	21.08	9.99	-636.88	4,990.29	9,883.32	9,826.73	56.59	174.646		
12,400.00	6,993.82	5,065.90	4,998.34	155.28	21.08	9.99	-636.88	4,990.29	9,980.87	9,924.17	56.70	176.016		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	95.84	-572.40	5,599.09	5,628.50					
100.00	100.00	54.58	54.58	3.28	3.28	95.84	-572.50	5,599.06	5,628.26	5,621.69	6.57	857.075		
200.00	200.00	154.15	154.15	3.34	3.31	95.84	-573.11	5,598.89	5,628.14	5,621.49	6.65	846.652		
300.00	299.98	262.08	262.07	3.44	3.40	-50.81	-573.87	5,598.72	5,626.96	5,620.12	6.84	822.158		
400.00	399.84	385.76	385.75	3.59	3.58	-50.91	-574.49	5,598.13	5,623.23	5,616.06	7.17	783.871		
500.00	499.45	486.49	486.48	3.79	3.78	-51.08	-574.68	5,597.43	5,617.06	5,609.49	7.57	742.280		
600.00	598.70	1,976.60	1,956.21	4.04	11.67	-53.63	-490.17	5,415.35	5,599.93	5,586.37	13.56	412.936		
700.00	697.47	2,228.25	2,197.12	4.32	14.28	-54.93	-456.03	5,351.18	5,563.90	5,548.71	15.19	366.325		
773.50	769.68	2,280.56	2,247.01	4.55	14.86	-55.59	-448.62	5,337.31	5,535.83	5,520.13	15.69	352.776		
800.00	795.65	2,300.00	2,265.55	4.64	15.08	-55.65	-445.81	5,332.19	5,525.58	5,509.70	15.88	347.892		
900.00	893.65	2,389.21	2,350.65	5.00	16.08	-55.95	-432.89	5,308.74	5,487.02	5,470.31	16.71	328.343		
1,000.00	991.65	2,515.20	2,470.67	5.38	17.52	-56.37	-414.27	5,275.24	5,448.30	5,430.50	17.80	306.078		
1,100.00	1,089.66	2,807.00	2,746.50	5.78	21.29	-57.45	-366.05	5,193.28	5,409.25	5,389.17	20.08	269.398		
1,200.00	1,187.66	2,830.63	2,768.71	6.20	21.60	-57.54	-362.00	5,186.30	5,367.78	5,347.14	20.64	260.058		
1,300.00	1,285.66	2,861.37	2,797.72	6.63	22.01	-57.66	-356.97	5,177.44	5,327.37	5,306.09	21.28	250.391		
1,400.00	1,383.67	2,900.00	2,834.35	7.07	22.52	-57.80	-351.03	5,166.72	5,288.05	5,266.06	21.99	240.519		
1,500.00	1,481.67	2,969.82	2,900.76	7.51	23.36	-58.05	-340.87	5,147.72	5,249.49	5,226.61	22.88	229.417		
1,600.00	1,579.67	1,600.00	3,021.86	7.97	7.23	-58.51	-322.89	5,112.24	5,210.51	5,195.94	14.57	357.500		
1,700.00	1,677.67	3,144.30	3,066.51	8.43	25.50	-58.69	-316.24	5,099.09	5,171.78	5,146.84	24.94	207.404		
1,800.00	1,775.68	3,200.00	3,119.67	8.90	26.17	-58.89	-308.45	5,084.42	5,134.35	5,108.56	25.79	199.051		
1,900.00	1,873.68	3,222.92	3,141.61	9.37	26.41	-58.98	-305.33	5,078.59	5,097.72	5,071.26	26.46	192.657		
2,000.00	1,971.68	3,300.00	3,215.52	9.84	27.23	-59.25	-295.67	5,058.94	5,061.67	5,034.24	27.44	184.489		
2,100.00	2,069.69	3,362.75	3,275.83	10.32	27.86	-59.47	-288.56	5,043.15	5,026.14	4,997.82	28.32	177.492		
2,200.00	2,167.69	3,422.43	3,333.35	10.80	28.44	-59.67	-282.18	5,028.55	4,991.35	4,962.16	29.19	171.015		
2,300.00	2,265.69	3,491.17	3,399.71	11.28	29.09	-59.91	-275.22	5,012.03	4,957.15	4,927.05	30.10	164.701		
2,400.00	2,363.69	3,554.87	3,461.29	11.77	29.67	-60.12	-268.86	4,997.02	4,923.51	4,892.52	30.99	158.874		
2,500.00	2,461.70	4,025.78	3,911.19	12.25	35.06	-61.93	-210.35	4,872.05	4,889.02	4,854.82	34.20	142.950		
2,600.00	2,559.70	4,105.77	3,986.28	12.74	36.25	-62.29	-197.65	4,847.55	4,849.13	4,813.73	35.40	136.983		
2,700.00	2,657.70	4,138.91	4,017.48	13.23	36.69	-62.44	-192.59	4,837.63	4,810.01	4,773.75	36.27	132.626		
2,800.00	2,755.71	4,200.00	4,075.40	13.72	37.52	-62.70	-184.20	4,820.10	4,772.14	4,734.82	37.32	127.859		
2,900.00	2,853.71	4,217.38	4,091.95	14.21	37.72	-62.77	-181.98	4,815.28	4,735.09	4,696.99	38.10	124.276		
3,000.00	2,951.71	4,266.01	4,138.30	14.70	38.30	-62.97	-175.52	4,802.06	4,699.15	4,660.08	39.07	120.283		
3,100.00	3,049.71	4,434.96	4,298.96	15.20	40.39	-63.72	-151.52	4,755.63	4,663.26	4,622.46	40.80	114.284		
3,200.00	3,147.72	3,200.00	4,551.45	15.69	19.73	-65.04	-107.50	4,673.74	4,624.73	4,594.88	29.85	154.927		
3,300.00	3,245.72	4,745.28	4,589.95	16.19	45.06	-65.24	-101.15	4,660.54	4,585.22	4,540.67	44.55	102.928		
3,400.00	3,343.72	4,800.00	4,641.34	16.69	45.91	-65.52	-92.41	4,643.89	4,547.11	4,501.39	45.72	99.460		
3,500.00	3,441.73	4,818.28	4,658.55	17.18	46.16	-65.61	-89.44	4,638.52	4,509.98	4,463.35	46.63	96.722		
3,600.00	3,539.73	4,868.90	4,706.29	17.68	46.85	-65.87	-81.06	4,623.90	4,473.99	4,426.21	47.78	93.635		
3,700.00	3,637.73	4,924.19	4,758.51	18.18	47.60	-66.15	-71.71	4,608.34	4,438.96	4,389.99	48.98	90.633		
3,800.00	3,735.73	4,986.93	4,817.89	18.68	48.41	-66.48	-61.17	4,591.05	4,404.74	4,354.50	50.23	87.684		
3,900.00	3,833.74	5,032.45	4,861.08	19.18	48.96	-66.72	-53.64	4,578.80	4,371.41	4,320.06	51.36	85.120		
4,000.00	3,931.74	5,073.83	4,900.49	19.67	49.44	-66.94	-46.95	4,568.12	4,339.30	4,286.85	52.45	82.735		
4,100.00	4,029.74	5,127.26	4,951.60	20.17	50.02	-67.21	-38.63	4,554.91	4,308.37	4,254.77	53.60	80.377		
4,200.00	4,127.75	5,200.00	5,021.52	20.67	50.76	-67.56	-28.93	4,537.40	4,278.16	4,223.32	54.84	78.006		
4,300.00	4,225.75	5,200.00	5,021.52	21.18	50.76	-67.56	-28.93	4,537.40	4,249.33	4,193.68	55.65	76.356		
4,400.00	4,323.75	5,254.50	5,074.31	21.68	51.18	-67.81	-22.83	4,525.30	4,221.50	4,164.80	56.71	74.445		
4,500.00	4,421.76	5,300.00	5,118.73	22.18	51.54	-68.01	-18.38	4,516.53	4,195.70	4,137.99	57.72	72.696		
4,600.00	4,519.76	5,323.27	5,141.53	22.68	51.68	-68.11	-16.30	4,512.39	4,171.22	4,112.63	58.59	71.196		
4,700.00	4,617.76	5,388.25	5,205.34	23.18	52.05	-68.38	-11.11	4,501.21	4,147.85	4,088.24	59.61	69.584		
4,800.00	4,715.76	5,433.91	5,250.29	23.68	52.28	-68.56	-7.97	4,493.81	4,125.48	4,064.94	60.53	68.152		
4,900.00	4,813.77	5,475.67	5,291.51	24.18	52.48	-68.72	-5.41	4,487.65	4,104.46	4,043.03	61.43	66.814		
5,000.00	4,911.77	5,500.00	5,315.57	24.69	52.59	-68.81	-4.06	4,484.32	4,084.91	4,022.65	62.26	65.608		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,551.13	5,366.25	25.19	52.77	-69.00	-1.48	4,478.10	4,066.71	4,003.57	63.14	64.405		
5,200.00	5,107.78	5,600.00	5,414.83	25.69	52.94	-69.18	0.73	4,473.20	4,050.17	3,986.16	64.01	63.275		
5,300.00	5,205.78	5,640.62	5,455.25	26.19	53.06	-69.32	2.47	4,469.66	4,034.95	3,970.12	64.83	62.240		
5,400.00	5,303.78	5,700.00	5,514.38	26.70	53.22	-69.53	5.07	4,464.89	4,020.76	3,955.07	65.70	61.203		
5,500.00	5,401.78	5,767.76	5,581.90	27.20	53.40	-69.76	8.01	4,460.00	4,007.50	3,940.92	66.58	60.195		
5,600.00	5,499.79	5,834.39	5,648.34	27.70	53.56	-69.99	10.72	4,455.78	3,995.11	3,927.67	67.44	59.237		
5,700.00	5,597.79	5,903.12	5,716.94	28.21	53.73	-70.22	12.90	4,452.05	3,983.56	3,915.26	68.30	58.322		
5,800.00	5,695.79	5,980.49	5,794.21	28.71	53.90	-70.46	14.50	4,448.52	3,972.70	3,903.53	69.17	57.435		
5,900.00	5,793.80	6,059.70	5,873.36	29.22	54.07	-70.70	15.34	4,445.48	3,962.42	3,892.40	70.03	56.583		
6,000.00	5,891.80	6,144.33	5,957.94	29.72	54.25	-70.95	15.81	4,442.69	3,952.65	3,881.76	70.90	55.753		
6,100.00	5,989.80	6,236.13	6,049.70	30.22	54.44	-71.21	15.94	4,439.97	3,943.20	3,871.42	71.78	54.936		
6,200.00	6,087.80	6,328.08	6,141.62	30.73	54.63	-71.47	15.51	4,437.48	3,933.94	3,861.28	72.66	54.145		
6,300.00	6,185.81	6,418.06	6,231.56	31.23	54.82	-71.71	14.78	4,435.36	3,925.02	3,851.50	73.52	53.384		
6,400.00	6,283.81	6,535.82	6,349.29	31.74	55.07	-72.03	13.43	4,432.42	3,915.97	3,841.51	74.47	52.588		
6,500.00	6,381.81	6,643.03	6,456.44	32.24	55.30	-72.32	12.00	4,429.35	3,906.61	3,831.23	75.38	51.826		
6,520.79	6,402.19	6,663.44	6,476.83	32.35	55.35	-72.38	11.68	4,428.76	3,904.66	3,829.09	75.56	51.673		
6,550.00	6,430.87	6,692.19	6,505.57	32.49	55.41	-84.79	11.19	4,427.94	3,902.57	3,826.75	75.82	51.471		
6,582.38	6,462.76	6,726.41	6,539.77	32.64	55.49	-101.02	10.58	4,426.97	3,901.78	3,825.68	76.10	51.271 CC, ES		
6,600.00	6,480.12	6,745.45	6,558.80	32.72	55.53	-110.23	10.26	4,426.41	3,902.01	3,825.76	76.25	51.171		
6,650.00	6,529.30	6,799.42	6,612.73	32.93	55.65	-133.52	9.43	4,424.75	3,905.23	3,828.56	76.66	50.941		
6,700.00	6,578.09	6,857.43	6,670.71	33.12	55.78	-149.72	8.59	4,422.86	3,912.15	3,835.10	77.05	50.772		
6,750.00	6,626.21	6,914.89	6,728.13	33.30	55.91	-160.17	7.71	4,420.86	3,922.72	3,845.31	77.42	50.670 SF		
6,800.00	6,673.34	6,946.86	6,760.08	33.46	55.98	-167.12	7.17	4,419.83	3,937.06	3,859.37	77.70	50.672		
6,850.00	6,719.21	6,982.99	6,796.19	33.61	56.06	-172.09	6.53	4,418.76	3,955.11	3,877.15	77.96	50.730		
6,900.00	6,763.53	7,032.92	6,846.09	33.75	56.18	-175.89	5.58	4,417.37	3,976.71	3,898.46	78.25	50.823		
6,950.00	6,806.03	7,094.83	6,907.95	33.89	56.32	-178.99	4.45	4,415.40	4,001.48	3,922.94	78.54	50.948		
7,000.00	6,846.44	7,000.00	6,987.65	34.02	56.09	178.34	3.15	4,411.88	4,028.81	3,950.45	78.36	51.413		
7,050.00	6,884.52	7,225.73	7,038.70	34.15	56.63	175.90	2.42	4,409.40	4,059.19	3,980.09	79.10	51.318		
7,100.00	6,920.03	7,244.38	7,057.33	34.27	56.68	173.49	2.25	4,408.52	4,092.55	4,013.31	79.23	51.651		
7,150.00	6,952.75	7,261.54	7,074.47	34.40	56.72	170.97	2.13	4,407.78	4,128.71	4,049.36	79.35	52.034		
7,200.00	6,982.48	7,277.12	7,090.04	34.54	56.76	168.19	2.06	4,407.16	4,167.42	4,087.98	79.44	52.462		
7,250.00	7,009.04	7,300.00	7,112.91	34.70	56.81	165.01	2.02	4,406.34	4,208.43	4,128.90	79.53	52.916		
7,300.00	7,032.26	7,300.00	7,112.91	34.87	56.81	160.99	2.02	4,406.34	4,251.40	4,171.86	79.54	53.449		
7,350.00	7,052.00	7,320.11	7,133.01	35.08	56.86	156.05	2.02	4,405.68	4,296.07	4,216.47	79.60	53.972		
7,400.00	7,068.14	7,332.83	7,145.72	35.34	56.89	149.44	2.02	4,405.29	4,342.13	4,262.51	79.62	54.535		
7,450.00	7,080.57	7,342.84	7,155.73	35.65	56.92	140.37	2.03	4,404.98	4,389.30	4,309.67	79.63	55.124		
7,500.00	7,089.23	7,350.10	7,162.98	36.01	56.93	127.80	2.03	4,404.77	4,437.27	4,357.65	79.61	55.735		
7,550.00	7,094.06	7,354.58	7,167.46	36.44	56.94	111.20	2.04	4,404.64	4,485.74	4,406.15	79.59	56.362		
7,601.12	7,095.00	7,356.30	7,169.18	36.93	56.95	91.72	2.04	4,404.59	4,535.51	4,455.97	79.55	57.016		
7,700.00	7,092.92	7,356.81	7,169.69	38.05	56.95	91.75	2.04	4,404.58	4,631.85	4,552.39	79.47	58.286		
7,800.00	7,090.81	7,357.33	7,170.21	39.40	56.95	91.78	2.04	4,404.56	4,729.39	4,649.99	79.40	59.566		
7,900.00	7,088.70	7,357.84	7,170.72	40.93	56.95	91.81	2.04	4,404.55	4,827.02	4,747.68	79.34	60.840		
8,000.00	7,086.59	7,358.35	7,171.22	42.61	56.95	91.84	2.04	4,404.53	4,924.75	4,845.46	79.29	62.109		
8,100.00	7,084.49	7,358.85	7,171.72	44.41	56.95	91.86	2.04	4,404.52	5,022.57	4,943.32	79.25	63.372		
8,200.00	7,082.38	7,359.34	7,172.22	46.33	56.96	91.89	2.04	4,404.51	5,120.48	5,041.25	79.23	64.631		
8,300.00	7,080.27	7,359.82	7,172.70	48.34	56.96	91.92	2.04	4,404.49	5,218.46	5,139.25	79.20	65.886		
8,400.00	7,078.16	7,360.30	7,173.18	50.43	56.96	91.95	2.04	4,404.48	5,316.52	5,237.33	79.19	67.136		
8,500.00	7,076.05	7,360.78	7,173.66	52.59	56.96	91.97	2.04	4,404.47	5,414.65	5,335.46	79.18	68.382		
8,600.00	7,073.94	7,361.25	7,174.13	54.82	56.96	92.00	2.04	4,404.45	5,512.84	5,433.66	79.18	69.623		
8,700.00	7,071.84	7,361.71	7,174.59	57.10	56.96	92.02	2.04	4,404.44	5,611.10	5,531.92	79.18	70.861		
8,800.00	7,069.73	7,362.17	7,175.05	59.44	56.96	92.05	2.04	4,404.43	5,709.42	5,630.23	79.19	72.095		
8,900.00	7,067.62	7,362.62	7,175.50	61.81	56.96	92.07	2.04	4,404.41	5,807.80	5,728.59	79.21	73.325		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	7,363.07	7,175.95	64.23	56.96	92.10	2.04	4,404.40	5,906.23	5,827.01	79.22	74.551		
9,100.00	7,063.40	7,363.52	7,176.39	66.68	56.97	92.12	2.04	4,404.39	6,004.71	5,925.47	79.24	75.774		
9,200.00	7,061.29	7,363.95	7,176.83	69.15	56.97	92.15	2.04	4,404.38	6,103.25	6,023.98	79.27	76.994		
9,300.00	7,059.18	7,364.39	7,177.26	71.66	56.97	92.17	2.05	4,404.37	6,201.83	6,122.53	79.30	78.210		
9,400.00	7,057.08	7,364.81	7,177.69	74.19	56.97	92.20	2.05	4,404.35	6,300.45	6,221.12	79.33	79.422		
9,500.00	7,054.97	7,365.24	7,178.11	76.75	56.97	92.22	2.05	4,404.34	6,399.12	6,319.76	79.36	80.632		
9,600.00	7,052.86	7,365.66	7,178.53	79.32	56.97	92.24	2.05	4,404.33	6,497.83	6,418.43	79.40	81.838		
9,700.00	7,050.75	7,366.07	7,178.94	81.91	56.97	92.27	2.05	4,404.32	6,596.57	6,517.14	79.44	83.042		
9,800.00	7,048.64	7,366.48	7,179.35	84.52	56.97	92.29	2.05	4,404.31	6,695.36	6,615.88	79.48	84.242		
9,900.00	7,046.53	7,366.88	7,179.76	87.14	56.97	92.31	2.05	4,404.30	6,794.18	6,714.66	79.52	85.439		
10,000.00	7,044.43	7,367.28	7,180.16	89.78	56.97	92.33	2.05	4,404.28	6,893.03	6,813.47	79.57	86.634		
10,100.00	7,042.32	7,367.68	7,180.55	92.43	56.97	92.35	2.05	4,404.27	6,991.92	6,912.31	79.61	87.825		
10,200.00	7,040.21	7,368.07	7,180.95	95.09	56.98	92.38	2.05	4,404.26	7,090.83	7,011.17	79.66	89.014		
10,300.00	7,038.10	7,368.46	7,181.33	97.76	56.98	92.40	2.05	4,404.25	7,189.78	7,110.07	79.71	90.199		
10,400.00	7,035.99	7,368.84	7,181.72	100.44	56.98	92.42	2.05	4,404.24	7,288.76	7,209.00	79.76	91.382		
10,500.00	7,033.88	7,369.22	7,182.10	103.13	56.98	92.44	2.05	4,404.23	7,387.76	7,307.95	79.81	92.563		
10,600.00	7,031.78	7,369.60	7,182.47	105.82	56.98	92.46	2.05	4,404.22	7,486.79	7,406.92	79.87	93.740		
10,700.00	7,029.67	7,369.97	7,182.84	108.53	56.98	92.48	2.05	4,404.21	7,585.85	7,505.92	79.92	94.915		
10,800.00	7,027.56	7,370.34	7,183.21	111.24	56.98	92.50	2.05	4,404.20	7,684.93	7,604.95	79.98	96.087		
10,900.00	7,025.45	7,370.70	7,183.57	113.96	56.98	92.52	2.05	4,404.19	7,784.03	7,703.99	80.04	97.256		
11,000.00	7,023.34	7,371.06	7,183.93	116.68	56.98	92.54	2.05	4,404.18	7,883.16	7,803.06	80.10	98.422		
11,100.00	7,021.23	7,371.42	7,184.29	119.41	56.98	92.56	2.05	4,404.17	7,982.30	7,902.15	80.15	99.586		
11,200.00	7,019.13	7,371.77	7,184.64	122.15	56.98	92.58	2.05	4,404.16	8,081.47	8,001.26	80.21	100.748		
11,300.00	7,017.02	7,372.12	7,184.99	124.89	56.99	92.60	2.05	4,404.15	8,180.66	8,100.38	80.28	101.906		
11,400.00	7,014.91	7,372.47	7,185.34	127.63	56.99	92.62	2.05	4,404.14	8,279.87	8,199.53	80.34	103.062		
11,500.00	7,012.80	7,372.81	7,185.68	130.38	56.99	92.64	2.05	4,404.13	8,379.10	8,298.69	80.40	104.216		
11,600.00	7,010.69	7,373.15	7,186.02	133.14	56.99	92.66	2.05	4,404.13	8,478.34	8,397.88	80.47	105.366		
11,700.00	7,008.58	7,373.48	7,186.35	135.89	56.99	92.68	2.05	4,404.12	8,577.60	8,497.07	80.53	106.514		
11,800.00	7,006.47	7,373.81	7,186.69	138.65	56.99	92.69	2.05	4,404.11	8,676.88	8,596.29	80.60	107.660		
11,900.00	7,004.37	7,374.14	7,187.01	141.42	56.99	92.71	2.06	4,404.10	8,776.18	8,695.52	80.66	108.803		
12,000.00	7,002.26	7,374.47	7,187.34	144.19	56.99	92.73	2.06	4,404.09	8,875.49	8,794.76	80.73	109.943		
12,100.00	7,000.15	7,374.79	7,187.66	146.96	56.99	92.75	2.06	4,404.08	8,974.82	8,894.02	80.80	111.080		
12,200.00	6,998.04	7,375.11	7,187.98	149.73	56.99	92.77	2.06	4,404.07	9,074.16	8,993.30	80.86	112.215		
12,300.00	6,995.93	7,375.43	7,188.30	152.51	56.99	92.78	2.06	4,404.06	9,173.52	9,092.58	80.93	113.348		
12,400.00	6,993.82	7,375.74	7,188.61	155.28	56.99	92.80	2.06	4,404.06	9,272.89	9,191.89	81.00	114.478		
12,500.00	6,991.72	7,376.05	7,188.92	158.06	56.99	92.82	2.06	4,404.05	9,372.27	9,291.20	81.07	115.605		
12,600.00	6,989.61	7,376.36	7,189.23	160.85	57.00	92.83	2.06	4,404.04	9,471.67	9,390.52	81.14	116.729		
12,700.00	6,987.50	7,376.66	7,189.53	163.63	57.00	92.85	2.06	4,404.03	9,571.08	9,489.86	81.21	117.851		
12,800.00	6,985.39	7,376.96	7,189.83	166.42	57.00	92.87	2.06	4,404.02	9,670.50	9,589.21	81.29	118.970		
12,900.00	6,983.28	7,377.26	7,190.13	169.21	57.00	92.88	2.06	4,404.01	9,769.93	9,688.57	81.36	120.087		
13,000.00	6,981.17	7,377.56	7,190.43	172.00	57.00	92.90	2.06	4,404.01	9,869.37	9,787.94	81.43	121.201		
13,100.00	6,979.07	7,377.85	7,190.72	174.79	57.00	92.92	2.06	4,404.00	9,968.83	9,887.33	81.50	122.312		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	1,288.84	1,266.69	3.28	10.11	97.21	-684.59	5,408.90	5,608.79					
100.00	100.00	1,442.64	1,412.98	3.28	11.96	97.53	-709.80	5,368.66	5,584.26	5,571.54	12.72	438.873		
200.00	200.00	1,500.00	1,467.45	3.34	12.65	97.66	-719.80	5,353.75	5,560.25	5,547.03	13.22	420.514		
300.00	299.98	1,552.82	1,517.66	3.44	13.27	-49.24	-729.27	5,340.37	5,535.89	5,522.15	13.74	402.903		
400.00	399.84	1,617.21	1,579.05	3.59	14.00	-49.53	-740.53	5,324.49	5,510.00	5,495.60	14.41	382.488		
500.00	499.45	1,711.07	1,668.58	3.79	15.04	-49.83	-756.86	5,301.59	5,482.23	5,466.87	15.35	357.090		
600.00	598.70	1,933.54	1,880.55	4.04	17.59	-50.08	-793.61	5,244.94	5,451.24	5,433.84	17.40	313.303		
700.00	697.47	2,000.00	1,943.92	4.32	18.37	-50.58	-803.66	5,227.63	5,417.38	5,399.21	18.17	298.188		
773.50	769.68	2,045.03	1,986.90	4.55	18.88	-50.99	-810.53	5,216.10	5,391.48	5,372.76	18.72	287.975		
800.00	795.65	2,068.20	2,009.02	4.64	19.15	-50.99	-814.11	5,210.17	5,381.97	5,362.99	18.98	283.533		
900.00	893.65	2,142.80	2,080.18	5.00	19.99	-50.96	-825.87	5,191.16	5,346.22	5,326.35	19.87	269.093		
1,000.00	991.65	2,200.00	2,134.80	5.38	20.63	-50.93	-835.02	5,176.82	5,310.91	5,290.27	20.65	257.230		
1,100.00	1,089.66	2,265.69	2,197.53	5.78	21.34	-50.90	-845.92	5,160.69	5,276.17	5,254.64	21.52	245.133		
1,200.00	1,187.66	2,380.14	2,306.97	6.20	22.56	-50.85	-864.94	5,133.12	5,241.88	5,219.10	22.79	230.049		
1,300.00	1,285.66	2,522.02	2,442.98	6.63	24.06	-50.82	-884.43	5,097.73	5,206.32	5,182.13	24.19	215.240		
1,400.00	1,383.67	2,571.68	2,490.55	7.07	24.58	-50.81	-891.53	5,085.42	5,171.07	5,146.12	24.95	207.227		
1,500.00	1,481.67	2,863.62	2,768.96	7.51	27.97	-50.72	-934.38	5,008.86	5,134.66	5,107.09	27.56	186.284		
1,600.00	1,579.67	3,019.08	2,916.13	7.97	30.03	-50.66	-957.19	4,964.27	5,095.81	5,066.57	29.24	174.247		
1,700.00	1,677.67	3,164.20	3,052.89	8.43	32.10	-50.60	-978.88	4,920.84	5,055.74	5,024.84	30.90	163.604		
1,800.00	1,775.68	3,235.22	3,119.85	8.90	33.09	-50.57	-988.66	4,899.30	5,015.23	4,983.30	31.93	157.055		
1,900.00	1,873.68	3,300.00	3,181.22	9.37	33.98	-50.56	-997.09	4,880.35	4,975.53	4,942.63	32.90	151.223		
2,000.00	1,971.68	2,000.00	3,269.99	9.84	16.30	-50.53	-1,010.31	4,852.68	4,935.82	4,913.49	22.32	221.126		
2,100.00	2,069.69	3,459.28	3,331.62	10.32	36.17	-50.50	-1,020.18	4,833.30	4,896.12	4,860.97	35.15	139.283		
2,200.00	2,167.69	3,537.27	3,405.55	10.80	37.21	-50.47	-1,031.26	4,811.09	4,857.32	4,821.08	36.24	134.014		
2,300.00	2,265.69	4,110.17	3,941.56	11.28	46.57	-50.35	-1,102.33	4,624.10	4,817.34	4,776.14	41.20	116.921		
2,400.00	2,363.69	4,177.53	4,002.86	11.77	48.09	-50.29	-1,113.29	4,598.40	4,769.64	4,727.15	42.49	112.247		
2,500.00	2,461.70	4,200.00	4,023.33	12.25	48.59	-50.27	-1,116.91	4,589.88	4,722.57	4,679.26	43.31	109.046		
2,600.00	2,559.70	4,255.28	4,073.98	12.74	49.70	-50.22	-1,125.54	4,569.49	4,676.22	4,631.80	44.42	105.279		
2,700.00	2,657.70	4,300.00	4,115.33	13.23	50.59	-50.20	-1,132.10	4,553.79	4,631.11	4,585.68	45.43	101.941		
2,800.00	2,755.71	4,395.17	4,203.62	13.72	52.33	-50.15	-1,145.37	4,520.83	4,586.53	4,539.71	46.83	97.949		
2,900.00	2,853.71	4,483.68	4,285.49	14.21	54.01	-50.09	-1,158.29	4,489.78	4,541.58	4,493.36	48.22	94.185		
3,000.00	2,951.71	4,534.22	4,332.13	14.70	54.96	-50.05	-1,166.49	4,472.12	4,496.98	4,447.67	49.31	91.206		
3,100.00	3,049.71	4,576.77	4,371.49	15.20	55.75	-50.01	-1,173.69	4,457.66	4,453.31	4,402.98	50.33	88.482		
3,200.00	3,147.72	4,621.95	4,413.40	15.69	56.55	-49.96	-1,181.59	4,442.74	4,410.59	4,359.21	51.38	85.841		
3,300.00	3,245.72	4,670.19	4,458.25	16.19	57.37	-49.91	-1,190.25	4,427.23	4,368.76	4,316.30	52.46	83.275		
3,400.00	3,343.72	4,700.00	4,486.01	16.69	57.88	-49.88	-1,195.71	4,417.85	4,327.90	4,274.54	53.37	81.095		
3,500.00	3,441.73	4,760.84	4,542.99	17.18	58.78	-49.82	-1,206.43	4,399.39	4,287.90	4,233.39	54.51	78.662		
3,600.00	3,539.73	4,800.00	4,579.92	17.68	59.36	-49.79	-1,212.78	4,388.04	4,248.99	4,193.53	55.46	76.611		
3,700.00	3,637.73	4,861.53	4,638.33	18.18	60.12	-49.76	-1,221.75	4,370.92	4,210.97	4,154.48	56.49	74.548		
3,800.00	3,735.73	4,900.00	4,675.06	18.68	60.60	-49.75	-1,226.68	4,360.60	4,173.83	4,116.48	57.35	72.777		
3,900.00	3,833.74	4,943.71	4,717.04	19.18	61.01	-49.75	-1,231.67	4,349.48	4,137.84	4,079.68	58.16	71.140		
4,000.00	3,931.74	5,000.00	4,771.52	19.67	61.55	-49.76	-1,237.23	4,336.47	4,103.41	4,044.38	59.03	69.516		
4,100.00	4,029.74	5,031.88	4,802.50	20.17	61.80	-49.78	-1,240.10	4,329.52	4,069.93	4,010.19	59.74	68.127		
4,200.00	4,127.75	5,100.00	4,868.71	20.67	62.33	-49.81	-1,246.18	4,314.70	4,037.04	3,976.45	60.59	66.631		
4,300.00	4,225.75	5,157.25	4,924.48	21.18	62.73	-49.85	-1,251.01	4,302.73	4,004.92	3,943.56	61.36	65.264		
4,400.00	4,323.75	5,200.00	4,966.29	21.68	63.03	-49.88	-1,254.29	4,294.41	3,974.02	3,911.94	62.08	64.012		
4,500.00	4,421.76	5,240.65	5,006.17	22.18	63.25	-49.91	-1,257.13	4,287.08	3,944.40	3,881.65	62.75	62.860		
4,600.00	4,519.76	5,300.00	5,064.64	22.68	63.56	-49.98	-1,260.79	4,277.56	3,916.32	3,852.87	63.46	61.717		
4,700.00	4,617.76	5,300.00	5,064.64	23.18	63.56	-49.98	-1,260.79	4,277.56	3,889.48	3,825.50	63.98	60.791		
4,800.00	4,715.76	5,362.16	5,126.11	23.68	63.79	-50.05	-1,264.06	4,268.99	3,863.91	3,799.28	64.63	59.782		
4,900.00	4,813.77	5,400.00	5,163.64	24.18	63.93	-50.11	-1,265.80	4,264.43	3,839.83	3,774.61	65.22	58.878		
5,000.00	4,911.77	5,457.94	5,221.20	24.69	64.10	-50.20	-1,268.09	4,258.23	3,816.96	3,751.15	65.81	57.998		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,500.00	5,263.05	25.19	64.22	-50.27	-1,269.50	4,254.25	3,795.30	3,728.94	66.36	57.191		
5,200.00	5,107.78	5,567.68	5,330.47	25.69	64.38	-50.39	-1,271.46	4,248.63	3,774.69	3,707.75	66.94	56.386		
5,300.00	5,205.78	5,624.77	5,387.40	26.19	64.50	-50.49	-1,272.93	4,244.59	3,755.19	3,687.69	67.49	55.638		
5,400.00	5,303.78	5,682.19	5,444.69	26.70	64.62	-50.60	-1,274.29	4,241.16	3,736.76	3,668.73	68.03	54.928		
5,500.00	5,401.78	5,734.39	5,496.82	27.20	64.71	-50.71	-1,275.36	4,238.64	3,719.47	3,650.93	68.54	54.267		
5,600.00	5,499.79	5,800.00	5,562.39	27.70	64.83	-50.85	-1,276.20	4,236.52	3,703.54	3,634.47	69.07	53.623		
5,700.00	5,597.79	5,854.24	5,616.62	28.21	64.92	-50.97	-1,276.59	4,235.36	3,688.62	3,619.06	69.55	53.035		
5,800.00	5,695.79	5,931.52	5,693.89	28.71	65.04	-51.15	-1,276.95	4,234.07	3,674.36	3,604.27	70.08	52.428		
5,900.00	5,793.80	6,007.93	5,770.29	29.22	65.17	-51.33	-1,277.25	4,233.28	3,660.76	3,590.14	70.61	51.842		
6,000.00	5,891.80	6,101.74	5,864.09	29.72	65.32	-51.56	-1,277.58	4,232.62	3,647.54	3,576.35	71.19	51.238		
6,100.00	5,989.80	6,188.98	5,951.34	30.22	65.46	-51.77	-1,277.90	4,232.18	3,634.59	3,562.84	71.75	50.657		
6,200.00	6,087.80	6,276.91	6,039.26	30.73	65.61	-51.98	-1,278.28	4,231.99	3,621.98	3,549.67	72.31	50.088		
6,300.00	6,185.81	6,375.14	6,137.49	31.23	65.77	-52.22	-1,278.73	4,231.94	3,609.60	3,536.69	72.91	49.510		
6,400.00	6,283.81	6,470.29	6,232.64	31.74	65.93	-52.45	-1,279.10	4,231.88	3,597.27	3,523.77	73.50	48.945		
6,500.00	6,381.81	6,557.07	6,319.43	32.24	66.08	-52.67	-1,279.29	4,232.00	3,585.19	3,511.13	74.06	48.408		
6,520.79	6,402.19	6,574.52	6,336.87	32.35	66.11	-52.71	-1,279.32	4,232.07	3,582.73	3,508.55	74.18	48.300		
6,550.00	6,430.87	6,599.08	6,361.43	32.49	66.16	-65.19	-1,279.35	4,232.19	3,579.97	3,505.64	74.34	48.159		
6,595.38	6,475.57	6,644.72	6,407.07	32.70	66.24	-88.26	-1,279.43	4,232.42	3,578.37	3,503.77	74.60	47.969 CC		
6,600.00	6,480.12	6,649.38	6,411.73	32.72	66.24	-90.66	-1,279.44	4,232.45	3,578.38	3,503.76	74.62	47.952 ES		
6,650.00	6,529.30	6,699.78	6,462.13	32.93	66.33	-113.88	-1,279.54	4,232.69	3,580.70	3,505.81	74.89	47.812		
6,700.00	6,578.09	6,752.20	6,514.55	33.12	66.43	-129.92	-1,279.61	4,232.91	3,586.89	3,511.75	75.14	47.735		
6,750.00	6,626.21	6,803.88	6,566.23	33.30	66.52	-140.10	-1,279.61	4,233.08	3,596.92	3,521.55	75.37	47.725 SF		
6,800.00	6,673.34	6,842.30	6,604.65	33.46	66.59	-146.68	-1,279.64	4,233.24	3,610.80	3,535.26	75.53	47.803		
6,850.00	6,719.21	6,880.50	6,642.84	33.61	66.66	-151.12	-1,279.78	4,233.47	3,628.51	3,552.82	75.68	47.942		
6,900.00	6,763.53	6,900.00	6,662.35	33.75	66.69	-154.17	-1,279.89	4,233.61	3,649.98	3,574.22	75.76	48.180		
6,950.00	6,806.03	6,900.00	6,662.35	33.89	66.69	-156.26	-1,279.89	4,233.61	3,675.37	3,599.63	75.74	48.525		
7,000.00	6,846.44	6,900.00	6,662.35	34.02	66.69	-157.70	-1,279.89	4,233.61	3,704.50	3,628.80	75.71	48.933		
7,050.00	6,884.52	6,900.00	6,662.35	34.15	66.69	-158.65	-1,279.89	4,233.61	3,737.12	3,661.47	75.65	49.399		
7,100.00	6,920.03	6,900.00	6,662.35	34.27	66.69	-159.18	-1,279.89	4,233.61	3,772.94	3,697.35	75.59	49.915		
7,150.00	6,952.75	6,900.00	6,662.35	34.40	66.69	-159.32	-1,279.89	4,233.61	3,811.63	3,736.12	75.51	50.477		
7,200.00	6,982.48	6,900.00	6,662.35	34.54	66.69	-159.05	-1,279.89	4,233.61	3,852.89	3,777.46	75.43	51.077		
7,250.00	7,009.04	6,900.00	6,662.35	34.70	66.69	-158.27	-1,279.89	4,233.61	3,896.39	3,821.04	75.35	51.709		
7,300.00	7,032.26	6,900.00	6,662.35	34.87	66.69	-156.79	-1,279.89	4,233.61	3,941.78	3,866.50	75.28	52.365		
7,350.00	7,052.00	6,900.00	6,662.35	35.08	66.69	-154.21	-1,279.89	4,233.61	3,988.72	3,913.52	75.20	53.039		
7,400.00	7,068.14	6,900.00	6,662.35	35.34	66.69	-149.55	-1,279.89	4,233.61	4,036.88	3,961.74	75.14	53.725		
7,450.00	7,080.57	6,900.00	6,662.35	35.65	66.69	-140.10	-1,279.89	4,233.61	4,085.92	4,010.83	75.09	54.416		
7,500.00	7,089.23	6,900.00	6,662.35	36.01	66.69	-116.77	-1,279.89	4,233.61	4,135.52	4,060.47	75.05	55.105		
7,550.00	7,094.06	6,900.00	6,662.35	36.44	66.69	-65.14	-1,279.89	4,233.61	4,185.35	4,110.32	75.02	55.787		
7,601.12	7,095.00	6,900.00	6,662.35	36.93	66.69	-27.45	-1,279.89	4,233.61	4,236.21	4,161.19	75.02	56.471		
7,700.00	7,092.92	6,900.00	6,662.35	38.05	66.69	-27.45	-1,279.89	4,233.61	4,334.33	4,259.31	75.02	57.777		
7,800.00	7,090.81	6,900.00	6,662.35	39.40	66.69	-27.45	-1,279.89	4,233.61	4,433.59	4,358.57	75.02	59.097		
7,900.00	7,088.70	6,900.00	6,662.35	40.93	66.69	-27.45	-1,279.89	4,233.61	4,532.89	4,457.86	75.03	60.415		
8,000.00	7,086.59	6,900.00	6,662.35	42.61	66.69	-27.45	-1,279.89	4,233.61	4,632.21	4,557.18	75.04	61.733		
8,100.00	7,084.49	6,900.00	6,662.35	44.41	66.69	-27.45	-1,279.89	4,233.61	4,731.57	4,656.52	75.04	63.050		
8,200.00	7,082.38	6,900.00	6,662.35	46.33	66.69	-27.45	-1,279.89	4,233.61	4,830.95	4,755.89	75.05	64.366		
8,300.00	7,080.27	6,900.00	6,662.35	48.34	66.69	-27.45	-1,279.89	4,233.61	4,930.35	4,855.29	75.07	65.681		
8,400.00	7,078.16	6,900.00	6,662.35	50.43	66.69	-27.45	-1,279.89	4,233.61	5,029.78	4,954.71	75.08	66.995		
8,500.00	7,076.05	6,900.00	6,662.35	52.59	66.69	-27.45	-1,279.89	4,233.61	5,129.23	5,054.14	75.09	68.308		
8,600.00	7,073.94	6,900.00	6,662.35	54.82	66.69	-27.45	-1,279.89	4,233.61	5,228.71	5,153.60	75.10	69.619		
8,700.00	7,071.84	6,900.00	6,662.35	57.10	66.69	-27.45	-1,279.89	4,233.61	5,328.20	5,253.08	75.12	70.929		
8,800.00	7,069.73	6,900.00	6,662.35	59.44	66.69	-27.45	-1,279.89	4,233.61	5,427.71	5,352.57	75.14	72.238		
8,900.00	7,067.62	6,900.00	6,662.35	61.81	66.69	-27.45	-1,279.89	4,233.61	5,527.24	5,452.09	75.15	73.546		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	6,900.00	6,662.35	64.23	66.69	-27.45	-1,279.89	4,233.61	5,626.78	5,551.61	75.17	74.852		
9,100.00	7,063.40	6,900.00	6,662.35	66.68	66.69	-27.45	-1,279.89	4,233.61	5,726.35	5,651.15	75.19	76.157		
9,200.00	7,061.29	6,900.00	6,662.35	69.15	66.69	-27.45	-1,279.89	4,233.61	5,825.92	5,750.71	75.21	77.460		
9,300.00	7,059.18	6,900.00	6,662.35	71.66	66.69	-27.45	-1,279.89	4,233.61	5,925.51	5,850.28	75.23	78.761		
9,400.00	7,057.08	6,900.00	6,662.35	74.19	66.69	-27.45	-1,279.89	4,233.61	6,025.12	5,949.86	75.26	80.061		
9,500.00	7,054.97	6,900.00	6,662.35	76.75	66.69	-27.45	-1,279.89	4,233.61	6,124.73	6,049.45	75.28	81.359		
9,600.00	7,052.86	6,900.00	6,662.35	79.32	66.69	-27.45	-1,279.89	4,233.61	6,224.36	6,149.06	75.30	82.656		
9,700.00	7,050.75	6,900.00	6,662.35	81.91	66.69	-27.45	-1,279.89	4,233.61	6,324.00	6,248.67	75.33	83.950		
9,800.00	7,048.64	6,900.00	6,662.35	84.52	66.69	-27.45	-1,279.89	4,233.61	6,423.66	6,348.30	75.36	85.243		
9,900.00	7,046.53	6,900.00	6,662.35	87.14	66.69	-27.45	-1,279.89	4,233.61	6,523.32	6,447.93	75.38	86.534		
10,000.00	7,044.43	6,900.00	6,662.35	89.78	66.69	-27.45	-1,279.89	4,233.61	6,622.99	6,547.58	75.41	87.823		
10,100.00	7,042.32	6,900.00	6,662.35	92.43	66.69	-27.45	-1,279.89	4,233.61	6,722.67	6,647.23	75.44	89.110		
10,200.00	7,040.21	6,900.00	6,662.35	95.09	66.69	-27.45	-1,279.89	4,233.61	6,822.37	6,746.89	75.47	90.395		
10,300.00	7,038.10	6,900.00	6,662.35	97.76	66.69	-27.45	-1,279.89	4,233.61	6,922.07	6,846.56	75.50	91.678		
10,400.00	7,035.99	6,900.00	6,662.35	100.44	66.69	-27.45	-1,279.89	4,233.61	7,021.78	6,946.24	75.54	92.958		
10,500.00	7,033.88	6,900.00	6,662.35	103.13	66.69	-27.45	-1,279.89	4,233.61	7,121.49	7,045.92	75.57	94.237		
10,600.00	7,031.78	6,900.00	6,662.35	105.82	66.69	-27.45	-1,279.89	4,233.61	7,221.22	7,145.61	75.60	95.513		
10,700.00	7,029.67	6,900.00	6,662.35	108.53	66.69	-27.45	-1,279.89	4,233.61	7,320.95	7,245.31	75.64	96.788		
10,800.00	7,027.56	6,900.00	6,662.35	111.24	66.69	-27.45	-1,279.89	4,233.61	7,420.69	7,345.02	75.68	98.059		
10,900.00	7,025.45	6,900.00	6,662.35	113.96	66.69	-27.45	-1,279.89	4,233.61	7,520.44	7,444.73	75.71	99.329		
11,000.00	7,023.34	6,900.00	6,662.35	116.68	66.69	-27.45	-1,279.89	4,233.61	7,620.19	7,544.44	75.75	100.596		
11,100.00	7,021.23	6,900.00	6,662.35	119.41	66.69	-27.45	-1,279.89	4,233.61	7,719.95	7,644.16	75.79	101.861		
11,200.00	7,019.13	6,900.00	6,662.35	122.15	66.69	-27.45	-1,279.89	4,233.61	7,819.72	7,743.89	75.83	103.123		
11,300.00	7,017.02	6,900.00	6,662.35	124.89	66.69	-27.45	-1,279.89	4,233.61	7,919.49	7,843.62	75.87	104.383		
11,400.00	7,014.91	6,900.00	6,662.35	127.63	66.69	-27.45	-1,279.89	4,233.61	8,019.27	7,943.36	75.91	105.640		
11,500.00	7,012.80	6,900.00	6,662.35	130.38	66.69	-27.45	-1,279.89	4,233.61	8,119.05	8,043.10	75.95	106.895		
11,600.00	7,010.69	6,900.00	6,662.35	133.14	66.69	-27.45	-1,279.89	4,233.61	8,218.84	8,142.84	76.00	108.147		
11,700.00	7,008.58	6,900.00	6,662.35	135.89	66.69	-27.45	-1,279.89	4,233.61	8,318.63	8,242.59	76.04	109.396		
11,800.00	7,006.47	6,900.00	6,662.35	138.65	66.69	-27.45	-1,279.89	4,233.61	8,418.43	8,342.34	76.09	110.643		
11,900.00	7,004.37	6,900.00	6,662.35	141.42	66.69	-27.45	-1,279.89	4,233.61	8,518.23	8,442.10	76.13	111.887		
12,000.00	7,002.26	6,900.00	6,662.35	144.19	66.69	-27.45	-1,279.89	4,233.61	8,618.04	8,541.86	76.18	113.129		
12,100.00	7,000.15	6,900.00	6,662.35	146.96	66.69	-27.45	-1,279.89	4,233.61	8,717.85	8,641.63	76.23	114.367		
12,200.00	6,998.04	6,900.00	6,662.35	149.73	66.69	-27.45	-1,279.89	4,233.61	8,817.67	8,741.39	76.28	115.603		
12,300.00	6,995.93	6,900.00	6,662.35	152.51	66.69	-27.45	-1,279.89	4,233.61	8,917.49	8,841.17	76.32	116.836		
12,400.00	6,993.82	6,900.00	6,662.35	155.28	66.69	-27.45	-1,279.89	4,233.61	9,017.32	8,940.94	76.38	118.066		
12,500.00	6,991.72	6,900.00	6,662.35	158.06	66.69	-27.45	-1,279.89	4,233.61	9,117.14	9,040.72	76.43	119.293		
12,600.00	6,989.61	6,900.00	6,662.35	160.85	66.69	-27.45	-1,279.89	4,233.61	9,216.98	9,140.50	76.48	120.517		
12,700.00	6,987.50	6,900.00	6,662.35	163.63	66.69	-27.45	-1,279.89	4,233.61	9,316.81	9,240.28	76.53	121.738		
12,800.00	6,985.39	6,900.00	6,662.35	166.42	66.69	-27.45	-1,279.89	4,233.61	9,416.65	9,340.06	76.59	122.957		
12,900.00	6,983.28	6,900.00	6,662.35	169.21	66.69	-27.45	-1,279.89	4,233.61	9,516.49	9,439.85	76.64	124.172		
13,000.00	6,981.17	6,900.00	6,662.35	172.00	66.69	-27.45	-1,279.89	4,233.61	9,616.34	9,539.64	76.70	125.384		
13,100.00	6,979.07	6,900.00	6,662.35	174.79	66.69	-27.45	-1,279.89	4,233.61	9,716.19	9,639.44	76.75	126.593		
13,200.00	6,976.96	6,900.00	6,662.35	177.59	66.69	-27.45	-1,279.89	4,233.61	9,816.04	9,739.23	76.81	127.799		
13,300.00	6,974.85	6,900.00	6,662.35	180.38	66.69	-27.45	-1,279.89	4,233.61	9,915.89	9,839.03	76.87	129.002		

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

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 133-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	77.76	113.68	524.18	536.41				
100.00	100.00	100.72	100.72	3.28	3.29	77.77	113.43	523.49	535.69	529.12	6.57	81.497	
200.00	200.00	203.74	203.72	3.34	3.34	77.79	112.93	521.70	533.90	527.22	6.67	79.992	
300.00	299.98	302.76	302.72	3.44	3.44	-69.02	112.09	519.70	531.11	524.23	6.88	77.174	
400.00	399.84	400.60	400.55	3.59	3.60	-69.58	111.53	518.40	527.83	520.65	7.18	73.466	
500.00	499.45	503.72	503.65	3.79	3.80	-70.61	111.25	516.58	523.07	515.47	7.59	68.894	
600.00	598.70	606.61	606.51	4.04	4.05	-72.10	111.10	513.95	516.62	508.53	8.08	63.906	
700.00	697.47	704.52	704.37	4.32	4.32	-73.97	111.11	510.98	509.06	500.43	8.63	58.963	
773.50	769.68	778.62	778.44	4.55	4.54	-75.58	110.28	509.07	503.32	494.24	9.09	55.394	
800.00	795.65	806.12	806.92	4.64	4.63	-76.16	109.79	508.28	501.13	491.87	9.26	54.118	
900.00	893.65	900.07	899.82	5.00	4.93	-78.17	107.97	505.68	493.31	483.40	9.91	49.770	
1,000.00	991.65	994.61	994.34	5.38	5.25	-80.28	106.69	503.89	487.22	476.61	10.61	45.932	
1,100.00	1,089.66	1,094.99	1,094.69	5.78	5.60	-82.59	105.60	502.03	482.02	470.66	11.36	42.441	
1,200.00	1,187.66	1,200.56	1,200.19	6.20	5.99	-85.17	104.67	498.61	476.49	464.34	12.15	39.205	
1,300.00	1,285.66	1,285.40	1,284.97	6.63	6.30	-87.35	104.26	495.37	471.68	458.78	12.90	36.576	
1,367.37	1,351.68	1,343.32	1,342.88	6.92	6.51	-88.90	105.24	494.66	471.08	457.68	13.40	35.155 CC	
1,400.00	1,383.67	1,373.19	1,372.74	7.07	6.62	-89.69	105.87	494.47	471.20	457.55	13.65	34.516 ES	
1,500.00	1,481.67	1,461.06	1,460.55	7.51	6.94	-92.12	108.88	494.30	473.37	458.95	14.41	32.845	
1,600.00	1,579.67	1,557.45	1,556.77	7.97	7.29	-94.98	114.64	494.16	478.18	462.97	15.22	31.424	
1,700.00	1,677.67	1,647.70	1,646.82	8.43	7.63	-97.69	120.66	493.53	484.33	468.33	16.00	30.266	
1,800.00	1,775.68	1,730.47	1,729.18	8.90	7.95	-100.32	128.78	493.08	493.99	477.24	16.74	29.501	
1,900.00	1,873.68	1,819.93	1,817.99	9.37	8.29	-103.11	139.52	493.81	507.48	489.96	17.52	28.968	
2,000.00	1,971.68	1,912.62	1,909.94	9.84	8.66	-105.94	151.20	494.05	522.49	504.17	18.32	28.524	
2,100.00	2,069.69	2,003.76	2,000.04	10.32	9.04	-108.81	164.84	493.14	539.96	520.86	19.11	28.262	
2,200.00	2,167.69	2,100.15	2,095.31	10.80	9.46	-111.74	179.50	491.53	558.73	538.79	19.94	28.025	
2,300.00	2,265.69	2,197.88	2,191.91	11.28	9.90	-114.52	194.11	489.61	578.50	557.71	20.78	27.837	
2,400.00	2,363.69	2,296.89	2,289.86	11.77	10.34	-117.19	208.36	486.95	598.71	577.07	21.64	27.666	
2,500.00	2,461.70	2,394.86	2,386.80	12.25	10.79	-119.71	222.10	483.57	619.45	596.96	22.49	27.540	
2,600.00	2,559.70	2,490.69	2,481.62	12.74	11.23	-122.07	235.36	479.55	640.82	617.49	23.33	27.469	
2,700.00	2,657.70	2,588.20	2,578.10	13.23	11.69	-124.35	248.80	474.97	662.99	638.81	24.18	27.418	
2,800.00	2,755.71	2,685.09	2,673.96	13.72	12.14	-126.53	261.80	469.70	685.55	660.52	25.03	27.391	
2,900.00	2,853.71	2,781.43	2,769.27	14.21	12.60	-128.59	274.62	463.91	708.73	682.86	25.87	27.393	
3,000.00	2,951.71	2,877.97	2,864.77	14.70	13.07	-130.57	287.24	457.63	732.44	705.72	26.72	27.411	
3,100.00	3,049.71	2,973.27	2,959.06	15.20	13.53	-132.42	299.53	451.09	756.67	729.11	27.56	27.458	
3,200.00	3,147.72	3,072.73	3,057.48	15.69	14.01	-134.24	312.04	444.12	781.31	752.88	28.43	27.478	
3,300.00	3,245.72	3,155.24	3,139.16	16.19	14.41	-135.63	322.38	438.91	806.71	777.56	29.15	27.673	
3,400.00	3,343.72	3,245.05	3,228.02	16.69	14.85	-136.96	334.78	434.79	834.05	804.11	29.94	27.860	
3,500.00	3,441.73	3,344.14	3,326.07	17.18	15.34	-138.35	348.24	429.88	861.59	830.77	30.81	27.961	
3,600.00	3,539.73	3,440.74	3,421.72	17.68	15.81	-139.63	360.86	425.03	889.05	857.38	31.67	28.073	
3,700.00	3,637.73	3,540.45	3,520.46	18.18	16.31	-140.90	373.64	419.66	916.64	884.08	32.55	28.157	
3,800.00	3,735.73	3,638.66	3,617.80	18.68	16.79	-142.06	385.62	414.37	943.99	910.56	33.43	28.241	
3,900.00	3,833.74	3,729.63	3,707.96	19.18	17.23	-143.09	396.67	409.47	971.63	937.40	34.23	28.385	
4,000.00	3,931.74	3,840.37	3,817.72	19.67	17.78	-144.29	409.85	403.01	999.38	964.16	35.22	28.372	
4,100.00	4,029.74	3,983.67	3,960.20	20.17	18.45	-145.78	422.02	393.94	1,024.15	987.67	36.48	28.076	
4,200.00	4,127.75	4,154.92	4,131.19	20.67	19.18	-147.25	426.18	386.59	1,043.24	1,005.43	37.81	27.593	
4,300.00	4,225.75	4,245.98	4,222.18	21.18	19.54	-147.98	425.63	383.07	1,059.62	1,021.00	38.62	27.435	
4,400.00	4,323.75	4,358.03	4,334.17	21.68	19.98	-148.78	424.23	380.01	1,075.49	1,035.94	39.54	27.197	
4,500.00	4,421.76	4,454.52	4,430.61	22.18	20.36	-149.44	422.57	377.59	1,091.06	1,050.68	40.38	27.017	
4,600.00	4,519.76	4,544.96	4,521.03	22.68	20.71	-150.03	421.38	375.51	1,107.17	1,065.98	41.19	26.878	
4,700.00	4,617.76	4,632.68	4,608.73	23.18	21.05	-150.45	421.24	376.24	1,124.30	1,082.32	41.98	26.782	
4,800.00	4,715.76	4,725.51	4,701.56	23.68	21.41	-150.83	421.72	377.76	1,142.10	1,099.30	42.79	26.690	
4,900.00	4,813.77	4,816.94	4,792.97	24.18	21.77	-151.21	422.69	379.07	1,160.49	1,116.89	43.60	26.617	

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,911.77	4,911.78	4,887.79	24.69	22.16	-151.59	424.07	380.24	1,179.35	1,134.92	44.43	26.542		
5,100.00	5,009.77	5,009.21	4,985.21	25.19	22.55	-151.99	425.55	381.19	1,198.35	1,153.06	45.29	26.461		
5,200.00	5,107.78	5,102.34	5,078.32	25.69	22.94	-152.38	427.18	381.69	1,217.67	1,171.56	46.12	26.404		
5,300.00	5,205.78	5,199.58	5,175.54	26.19	23.34	-152.78	429.03	381.94	1,237.24	1,190.26	46.98	26.337		
5,400.00	5,303.78	5,296.31	5,272.25	26.70	23.75	-153.18	430.88	381.89	1,256.90	1,209.07	47.84	26.275		
5,500.00	5,401.78	5,390.08	5,366.01	27.20	24.14	-153.57	432.77	381.53	1,276.77	1,228.09	48.68	26.229		
5,600.00	5,499.79	5,477.75	5,453.64	27.70	24.52	-153.95	435.00	380.59	1,297.29	1,247.82	49.47	26.222		
5,700.00	5,597.79	5,583.30	5,559.14	28.21	24.97	-154.40	438.15	379.22	1,318.39	1,267.99	50.40	26.159		
5,800.00	5,695.79	5,716.53	5,692.35	28.71	25.50	-154.87	438.38	379.90	1,336.18	1,284.69	51.49	25.953		
5,900.00	5,793.80	5,803.52	5,779.35	29.22	25.85	-155.16	438.63	380.40	1,354.46	1,302.18	52.27	25.911		
6,000.00	5,891.80	5,893.81	5,869.63	29.72	26.23	-155.48	439.41	380.41	1,373.42	1,320.33	53.09	25.869		
6,100.00	5,989.80	5,985.78	5,961.59	30.22	26.62	-155.81	440.57	379.92	1,392.91	1,338.99	53.92	25.831		
6,200.00	6,087.80	6,076.90	6,052.70	30.73	27.00	-156.15	441.99	378.93	1,412.83	1,358.08	54.75	25.806		
6,300.00	6,185.81	6,167.40	6,143.16	31.23	27.39	-156.49	443.83	377.56	1,433.34	1,377.77	55.57	25.793		
6,400.00	6,283.81	6,295.36	6,271.08	31.74	27.93	-156.97	446.04	375.23	1,453.83	1,397.18	56.65	25.663		
6,500.00	6,381.81	6,579.95	6,547.64	32.24	28.92	-155.85	436.92	428.05	1,464.21	1,405.93	58.28	25.124		
6,520.79	6,402.19	6,598.24	6,564.51	32.35	28.98	-155.64	436.02	435.08	1,465.57	1,407.11	58.46	25.070		
6,550.00	6,430.87	6,632.97	6,596.19	32.49	29.08	-167.73	434.44	449.20	1,467.43	1,408.69	58.74	24.983		
6,600.00	6,480.12	6,694.98	6,650.68	32.72	29.25	167.83	431.88	478.62	1,470.03	1,410.80	59.23	24.821		
6,650.00	6,529.30	6,732.84	6,682.69	32.93	29.35	145.37	430.53	498.81	1,472.47	1,412.81	59.67	24.678		
6,700.00	6,578.09	6,764.65	6,709.23	33.12	29.43	130.00	429.61	516.31	1,475.38	1,415.30	60.08	24.559		
6,750.00	6,626.21	6,793.11	6,732.72	33.30	29.51	120.37	428.96	532.37	1,478.94	1,418.48	60.45	24.464		
6,800.00	6,673.34	6,833.05	6,765.12	33.46	29.60	114.65	428.12	555.70	1,483.19	1,422.29	60.90	24.354		
6,850.00	6,719.21	6,868.39	6,793.10	33.61	29.69	110.89	427.21	577.28	1,488.16	1,426.84	61.32	24.267		
6,900.00	6,763.53	6,895.92	6,814.42	33.75	29.76	108.13	426.39	594.67	1,494.14	1,432.44	61.69	24.218 SF		
6,950.00	6,806.03	6,906.61	6,822.56	33.89	29.79	105.50	426.08	601.58	1,501.38	1,439.42	61.96	24.232		
7,000.00	6,846.44	6,915.09	6,828.97	34.02	29.84	103.24	425.85	607.13	1,509.99	1,447.81	62.19	24.281		
7,050.00	6,884.52	6,920.43	6,832.98	34.15	29.87	101.13	425.72	610.66	1,519.97	1,457.59	62.38	24.367		
7,100.00	6,920.03	6,922.92	6,834.84	34.27	29.89	99.09	425.66	612.31	1,531.27	1,468.73	62.54	24.484		
7,150.00	6,952.75	6,922.84	6,834.79	34.40	29.89	97.04	425.66	612.26	1,543.82	1,481.13	62.69	24.628		
7,200.00	6,982.48	6,920.46	6,833.00	34.54	29.87	94.97	425.72	610.68	1,557.50	1,494.68	62.82	24.792		
7,250.00	7,009.04	6,916.00	6,829.66	34.70	29.85	92.87	425.83	607.73	1,572.20	1,509.24	62.96	24.971		
7,300.00	7,032.26	6,909.69	6,824.89	34.87	29.81	90.73	425.99	603.59	1,587.75	1,524.64	63.11	25.157		
7,350.00	7,052.00	6,893.00	6,812.17	35.08	29.75	88.25	426.48	592.80	1,604.05	1,540.87	63.18	25.389		
7,400.00	7,068.14	6,891.77	6,811.23	35.34	29.75	86.37	426.52	592.02	1,620.79	1,557.31	63.48	25.531		
7,450.00	7,080.57	6,874.63	6,797.97	35.65	29.71	84.01	427.03	581.17	1,637.89	1,574.24	63.65	25.733		
7,500.00	7,089.23	6,855.78	6,783.20	36.01	29.66	81.70	427.55	569.48	1,655.08	1,591.24	63.84	25.926		
7,550.00	7,094.06	6,835.43	6,767.03	36.44	29.61	79.46	428.07	557.13	1,672.15	1,608.09	64.06	26.104		
7,601.12	7,095.00	6,813.26	6,749.17	36.93	29.56	77.29	428.56	544.00	1,689.28	1,624.97	64.31	26.268		
7,700.00	7,092.92	6,775.89	6,718.54	38.05	29.46	76.25	429.34	522.61	1,723.84	1,658.86	64.97	26.531		
7,800.00	7,090.81	6,742.87	6,691.09	39.40	29.38	75.33	430.22	504.27	1,762.62	1,696.84	65.77	26.798		
7,900.00	7,088.70	6,703.00	6,657.51	40.93	29.27	74.21	431.57	482.82	1,805.14	1,738.60	66.53	27.131		
8,000.00	7,086.59	6,703.00	6,657.51	42.61	29.27	74.21	431.57	482.82	1,851.33	1,783.57	67.76	27.323		
8,100.00	7,084.49	6,669.65	6,628.78	44.41	29.18	73.27	432.88	465.95	1,900.85	1,832.24	68.61	27.707		
8,200.00	7,082.38	6,652.68	6,613.83	46.33	29.13	72.78	433.59	457.97	1,953.92	1,884.32	69.60	28.075		
8,300.00	7,080.27	6,637.26	6,600.05	48.34	29.09	72.34	434.25	451.06	2,010.18	1,939.62	70.56	28.489		
8,400.00	7,078.16	6,607.00	6,572.56	50.43	29.01	71.45	435.61	438.51	2,069.63	1,998.30	71.34	29.012		
8,500.00	7,076.05	6,607.00	6,572.56	52.59	29.01	71.45	435.61	438.51	2,131.45	2,059.11	72.34	29.464		
8,600.00	7,073.94	6,607.00	6,572.56	54.82	29.01	71.45	435.61	438.51	2,196.09	2,122.82	73.28	29.970		
8,700.00	7,071.84	6,572.38	6,540.65	57.10	28.90	70.44	437.30	425.18	2,262.76	2,188.88	73.88	30.629		
8,800.00	7,069.73	6,553.55	6,523.19	59.44	28.84	69.90	438.30	418.17	2,331.58	2,257.02	74.56	31.272		
8,900.00	7,067.62	6,535.54	6,506.45	61.81	28.79	69.38	439.30	411.63	2,402.29	2,327.10	75.20	31.946		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,065.51	6,512.00	6,484.48	64.23	28.72	68.70	440.69	403.30	2,474.78	2,399.02	75.76	32.667		
9,100.00	7,063.40	6,512.00	6,484.48	66.68	28.72	68.70	440.69	403.30	2,548.90	2,472.47	76.43	33.350		
9,200.00	7,061.29	6,512.00	6,484.48	69.15	28.72	68.70	440.69	403.30	2,624.73	2,547.68	77.05	34.067		
9,300.00	7,059.18	6,512.00	6,484.48	71.66	28.72	68.70	440.69	403.30	2,702.14	2,624.52	77.61	34.816		
9,400.00	7,057.08	6,512.00	6,484.48	74.19	28.72	68.70	440.69	403.30	2,780.98	2,702.85	78.13	35.593		
9,500.00	7,054.97	6,512.00	6,484.48	76.75	28.72	68.70	440.69	403.30	2,861.15	2,782.54	78.61	36.396		
9,600.00	7,052.86	6,512.00	6,484.48	79.32	28.72	68.70	440.69	403.30	2,942.54	2,863.49	79.05	37.222		
9,700.00	7,050.75	6,512.00	6,484.48	81.91	28.72	68.70	440.69	403.30	3,025.04	2,945.58	79.46	38.070		
9,800.00	7,048.64	6,471.19	6,445.64	84.52	28.58	67.52	442.84	391.03	3,106.73	3,027.07	79.66	38.998		
9,900.00	7,046.53	6,467.36	6,441.93	87.14	28.57	67.41	443.01	390.08	3,190.83	3,110.83	80.00	39.883		
10,000.00	7,044.43	6,463.78	6,438.45	89.78	28.56	67.31	443.17	389.22	3,275.80	3,195.47	80.32	40.783		
10,100.00	7,042.32	6,460.42	6,435.18	92.43	28.55	67.21	443.30	388.45	3,361.56	3,280.94	80.62	41.698		
10,200.00	7,040.21	6,457.26	6,432.11	95.09	28.54	67.11	443.43	387.75	3,448.07	3,367.18	80.89	42.625		
10,300.00	7,038.10	6,417.00	6,392.48	97.76	28.40	65.92	444.68	380.88	3,536.85	3,455.87	80.98	43.677		
10,400.00	7,035.99	6,417.00	6,392.48	100.44	28.40	65.92	444.68	380.88	3,624.47	3,543.24	81.24	44.617		
10,500.00	7,033.88	6,417.00	6,392.48	103.13	28.40	65.92	444.68	380.88	3,712.72	3,631.24	81.48	45.567		
10,600.00	7,031.78	6,417.00	6,392.48	105.82	28.40	65.92	444.68	380.88	3,801.55	3,719.84	81.70	46.528		
10,700.00	7,029.67	6,417.00	6,392.48	108.53	28.40	65.92	444.68	380.88	3,890.92	3,809.00	81.92	47.499		
10,800.00	7,027.56	6,417.00	6,392.48	111.24	28.40	65.92	444.68	380.88	3,980.79	3,898.68	82.11	48.479		
10,900.00	7,025.45	6,417.00	6,392.48	113.96	28.40	65.92	444.68	380.88	4,071.14	3,988.84	82.30	49.467		
11,000.00	7,023.34	6,417.00	6,392.48	116.68	28.40	65.92	444.68	380.88	4,161.93	4,079.46	82.48	50.463		
11,100.00	7,021.23	6,417.00	6,392.48	119.41	28.40	65.92	444.68	380.88	4,253.14	4,170.50	82.64	51.466		
11,200.00	7,019.13	6,417.00	6,392.48	122.15	28.40	65.92	444.68	380.88	4,344.73	4,261.93	82.80	52.475		
11,300.00	7,017.02	6,417.00	6,392.48	124.89	28.40	65.92	444.68	380.88	4,436.68	4,353.74	82.94	53.490		
11,400.00	7,014.91	6,417.00	6,392.48	127.63	28.40	65.92	444.68	380.88	4,528.98	4,445.89	83.08	54.510		
11,500.00	7,012.80	6,417.00	6,392.48	130.38	28.40	65.92	444.68	380.88	4,621.59	4,538.37	83.22	55.536		
11,600.00	7,010.69	6,417.00	6,392.48	133.14	28.40	65.92	444.68	380.88	4,714.51	4,631.16	83.34	56.566		
11,700.00	7,008.58	6,417.00	6,392.48	135.89	28.40	65.92	444.68	380.88	4,807.71	4,724.24	83.47	57.601		
11,800.00	7,006.47	6,417.00	6,392.48	138.65	28.40	65.92	444.68	380.88	4,901.18	4,817.60	83.58	58.640		
11,900.00	7,004.37	6,417.00	6,392.48	141.42	28.40	65.92	444.68	380.88	4,994.90	4,911.21	83.69	59.682		
12,000.00	7,002.26	6,417.00	6,392.48	144.19	28.40	65.92	444.68	380.88	5,088.86	5,005.06	83.80	60.728		
12,100.00	7,000.15	6,417.00	6,392.48	146.96	28.40	65.92	444.68	380.88	5,183.05	5,099.15	83.90	61.776		
12,200.00	6,998.04	6,417.00	6,392.48	149.73	28.40	65.92	444.68	380.88	5,277.45	5,193.45	84.00	62.828		
12,300.00	6,995.93	6,417.00	6,392.48	152.51	28.40	65.92	444.68	380.88	5,372.06	5,287.96	84.09	63.882		
12,400.00	6,993.82	6,417.00	6,392.48	155.28	28.40	65.92	444.68	380.88	5,466.85	5,382.67	84.18	64.939		
12,500.00	6,991.72	6,417.00	6,392.48	158.06	28.40	65.92	444.68	380.88	5,561.83	5,477.56	84.27	65.998		
12,600.00	6,989.61	6,417.00	6,392.48	160.85	28.40	65.92	444.68	380.88	5,656.98	5,572.62	84.36	67.058		
12,700.00	6,987.50	6,417.00	6,392.48	163.63	28.40	65.92	444.68	380.88	5,752.30	5,667.85	84.44	68.121		
12,800.00	6,985.39	6,417.00	6,392.48	166.42	28.40	65.92	444.68	380.88	5,847.77	5,763.24	84.52	69.185		
12,900.00	6,983.28	6,417.00	6,392.48	169.21	28.40	65.92	444.68	380.88	5,943.39	5,858.79	84.60	70.251		
13,000.00	6,981.17	6,417.00	6,392.48	172.00	28.40	65.92	444.68	380.88	6,039.15	5,954.47	84.68	71.318		
13,100.00	6,979.07	6,417.00	6,392.48	174.79	28.40	65.92	444.68	380.88	6,135.05	6,050.30	84.75	72.386		
13,200.00	6,976.96	6,417.00	6,392.48	177.59	28.40	65.92	444.68	380.88	6,231.08	6,146.25	84.83	73.455		
13,300.00	6,974.85	6,417.00	6,392.48	180.38	28.40	65.92	444.68	380.88	6,327.23	6,242.33	84.90	74.525		
13,400.00	6,972.74	6,417.00	6,392.48	183.18	28.40	65.92	444.68	380.88	6,423.50	6,338.52	84.97	75.596		
13,500.00	6,970.63	6,417.00	6,392.48	185.98	28.40	65.92	444.68	380.88	6,519.88	6,434.83	85.04	76.668		
13,600.00	6,968.52	6,417.00	6,392.48	188.78	28.40	65.92	444.68	380.88	6,616.36	6,531.25	85.11	77.740		
13,700.00	6,966.41	6,417.00	6,392.48	191.58	28.40	65.92	444.68	380.88	6,712.95	6,627.78	85.18	78.812		
13,800.00	6,964.31	6,417.00	6,392.48	194.39	28.40	65.92	444.68	380.88	6,809.64	6,724.40	85.24	79.885		
13,900.00	6,962.20	6,417.00	6,392.48	197.19	28.40	65.92	444.68	380.88	6,906.43	6,821.12	85.31	80.958		
14,000.00	6,960.09	6,417.00	6,392.48	200.00	28.40	65.92	444.68	380.88	7,003.30	6,917.92	85.37	82.031		
14,100.00	6,957.98	6,417.00	6,392.48	202.80	28.40	65.92	444.68	380.88	7,100.26	7,014.82	85.44	83.104		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	
14,200.00	6,955.87	6,417.00	6,392.48	205.61	28.40	65.92	444.68	380.88	7,197.30	7,111.80	85.50	84.177	
14,300.00	6,953.76	6,417.00	6,392.48	208.42	28.40	65.92	444.68	380.88	7,294.43	7,208.86	85.57	85.250	
14,400.00	6,951.66	6,417.00	6,392.48	211.23	28.40	65.92	444.68	380.88	7,391.63	7,306.00	85.63	86.323	
14,500.00	6,949.55	6,417.00	6,392.48	214.04	28.40	65.92	444.68	380.88	7,488.90	7,403.21	85.69	87.395	
14,600.00	6,947.44	6,417.00	6,392.48	216.85	28.40	65.92	444.68	380.88	7,586.24	7,500.49	85.75	88.468	
14,700.00	6,945.33	6,417.00	6,392.48	219.66	28.40	65.92	444.68	380.88	7,683.66	7,597.84	85.81	89.539	
14,800.00	6,943.22	6,417.00	6,392.48	222.48	28.40	65.92	444.68	380.88	7,781.13	7,695.26	85.87	90.611	
14,900.00	6,941.11	6,417.00	6,392.48	225.29	28.40	65.92	444.68	380.88	7,878.68	7,792.74	85.94	91.682	
15,000.00	6,939.01	6,417.00	6,392.48	228.11	28.40	65.92	444.68	380.88	7,976.28	7,890.28	86.00	92.752	
15,100.00	6,936.90	6,417.00	6,392.48	230.92	28.40	65.92	444.68	380.88	8,073.94	7,987.88	86.06	93.821	
15,200.00	6,934.79	6,417.00	6,392.48	233.74	28.40	65.92	444.68	380.88	8,171.66	8,085.54	86.12	94.890	
15,300.00	6,932.68	6,417.00	6,392.48	236.56	28.40	65.92	444.68	380.88	8,269.43	8,183.25	86.18	95.958	
15,400.00	6,930.57	6,417.00	6,392.48	239.37	28.40	65.92	444.68	380.88	8,367.26	8,281.02	86.24	97.025	
15,500.00	6,928.46	6,417.00	6,392.48	242.19	28.40	65.92	444.68	380.88	8,465.13	8,378.83	86.30	98.092	
15,521.99	6,928.00	6,417.00	6,392.48	242.81	28.40	65.92	444.68	380.88	8,486.66	8,400.35	86.31	98.326	

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	80.86	83.80	521.12	527.86					
100.00	100.00	100.13	100.12	3.28	3.30	80.90	83.27	520.01	526.68	520.10	6.59	79.981		
200.00	200.00	201.24	201.22	3.34	3.38	80.96	82.50	518.72	525.31	518.59	6.71	78.238		
300.00	299.98	303.53	303.49	3.44	3.51	-65.85	81.84	516.97	522.80	515.85	6.95	75.205		
400.00	399.84	403.70	403.64	3.59	3.69	-66.44	81.34	514.94	518.60	511.32	7.28	71.219		
500.00	499.45	510.31	510.21	3.79	3.93	-67.49	80.73	512.14	512.49	504.77	7.72	66.368		
600.00	598.70	614.15	613.97	4.04	4.20	-69.01	80.15	508.08	503.97	495.74	8.24	61.188		
700.00	697.47	707.27	707.02	4.32	4.47	-70.77	79.48	504.66	494.75	485.97	8.78	56.335		
773.50	769.68	781.10	780.81	4.55	4.70	-72.45	79.00	502.08	487.73	478.49	9.24	52.770		
800.00	795.65	806.48	806.17	4.64	4.78	-73.04	78.90	501.13	485.14	475.72	9.41	51.547		
900.00	893.65	898.32	897.97	5.00	5.09	-75.15	78.13	498.54	476.59	466.52	10.06	47.360		
1,000.00	991.65	995.47	995.10	5.38	5.42	-77.38	77.08	496.63	469.52	458.74	10.77	43.577		
1,100.00	1,089.66	1,099.91	1,099.48	5.78	5.80	-79.81	75.32	494.01	462.50	450.96	11.55	40.061		
1,200.00	1,187.66	1,201.73	1,201.21	6.20	6.18	-82.22	72.91	490.42	455.07	442.74	12.33	36.898		
1,300.00	1,285.66	1,300.12	1,299.50	6.63	6.56	-84.61	70.27	486.69	448.08	434.94	13.13	34.122		
1,400.00	1,383.67	1,397.17	1,396.45	7.07	6.94	-87.00	67.53	483.14	441.94	427.99	13.94	31.697		
1,500.00	1,481.67	1,491.23	1,490.42	7.51	7.31	-89.37	65.08	480.19	437.18	422.42	14.76	29.626		
1,600.00	1,579.67	1,584.23	1,583.38	7.97	7.68	-91.79	63.41	477.93	434.30	418.73	15.58	27.881		
1,700.00	1,677.67	1,693.27	1,692.34	8.43	8.12	-94.72	61.43	474.31	431.63	415.16	16.47	26.213		
1,800.00	1,775.68	1,803.67	1,802.51	8.90	8.58	-97.56	56.49	469.26	427.30	409.94	17.36	24.615		
1,900.00	1,873.68	1,907.46	1,905.83	9.37	9.03	-99.99	48.28	463.79	421.01	402.78	18.23	23.089		
2,000.00	1,971.68	2,000.18	1,998.16	9.84	9.42	-102.10	40.72	459.94	416.07	396.98	19.09	21.800		
2,100.00	2,069.69	2,104.12	2,101.70	10.32	9.87	-104.43	32.32	456.59	412.52	392.56	19.97	20.661		
2,200.00	2,167.69	2,206.37	2,203.34	10.80	10.33	-106.89	22.76	450.90	407.08	386.24	20.85	19.528		
2,300.00	2,265.69	2,299.35	2,295.85	11.28	10.74	-109.12	14.49	446.58	403.33	381.62	21.71	18.579		
2,400.00	2,363.69	2,392.94	2,389.05	11.77	11.15	-111.23	6.37	443.94	401.52	378.95	22.57	17.790		
2,500.00	2,461.70	2,495.88	2,491.60	12.25	11.61	-113.54	-2.18	441.49	400.90	377.44	23.45	17.092		
2,600.00	2,559.70	2,596.60	2,591.84	12.74	12.06	-116.12	-10.65	436.45	399.44	375.10	24.34	16.414		
2,700.00	2,657.70	2,694.85	2,689.62	13.23	12.51	-118.61	-19.02	431.76	398.80	373.59	25.21	15.818		
2,727.68	2,684.83	2,722.10	2,716.74	13.36	12.64	-119.30	-21.35	430.48	398.77	373.31	25.45	15.666 CC		
2,800.00	2,755.71	2,791.11	2,785.44	13.72	12.95	-121.01	-27.15	427.51	399.16	373.08	26.08	15.305 ES		
2,900.00	2,853.71	2,885.54	2,879.51	14.21	13.38	-123.24	-34.79	424.40	401.05	374.11	26.94	14.886		
3,000.00	2,951.71	2,992.02	2,985.56	14.70	13.87	-125.72	-43.56	420.93	403.51	375.67	27.84	14.494		
3,100.00	3,049.71	3,086.12	3,079.21	15.20	14.30	-128.02	-51.73	416.65	405.78	377.07	28.70	14.137		
3,200.00	3,147.72	3,177.59	3,170.34	15.69	14.72	-130.33	-58.15	412.20	410.26	380.71	29.55	13.884		
3,300.00	3,245.72	3,270.85	3,263.30	16.19	15.15	-132.87	-62.83	406.27	417.06	386.67	30.39	13.722		
3,400.00	3,343.72	3,365.02	3,357.24	16.69	15.57	-135.28	-66.83	401.06	425.68	394.43	31.24	13.626		
3,500.00	3,441.73	3,469.18	3,461.16	17.18	16.04	-137.75	-71.48	395.91	434.97	402.82	32.15	13.528		
3,600.00	3,539.73	3,559.51	3,551.29	17.68	16.45	-139.78	-75.69	391.63	444.81	411.84	32.97	13.489		
3,700.00	3,637.73	3,670.54	3,661.99	18.18	16.96	-142.34	-80.92	384.95	455.16	421.22	33.94	13.410		
3,800.00	3,735.73	3,769.72	3,760.68	18.68	17.43	-144.69	-87.27	377.52	464.46	429.63	34.84	13.332		
3,900.00	3,833.74	3,869.34	3,859.78	19.18	17.90	-146.97	-94.09	369.93	474.07	438.33	35.74	13.264		
4,000.00	3,931.74	3,966.33	3,956.26	19.67	18.36	-149.08	-100.83	362.64	484.30	447.67	36.63	13.221		
4,100.00	4,029.74	4,064.08	4,053.54	20.17	18.82	-151.10	-107.28	355.59	495.49	457.96	37.53	13.203		
4,200.00	4,127.75	4,170.31	4,159.22	20.67	19.33	-153.12	-115.66	348.67	505.93	467.44	38.49	13.146		
4,300.00	4,225.75	4,262.97	4,251.43	21.18	19.77	-154.73	-122.96	343.33	516.81	477.46	39.35	13.133 SF		
4,400.00	4,323.75	4,355.06	4,343.22	21.68	20.20	-156.18	-128.68	338.59	529.65	489.44	40.21	13.174		
4,500.00	4,421.76	4,457.39	4,445.24	22.18	20.67	-157.65	-135.31	334.11	542.46	501.32	41.14	13.186		
4,600.00	4,519.76	4,552.94	4,540.53	22.68	21.10	-158.89	-141.09	330.40	555.90	513.88	42.01	13.232		
4,700.00	4,617.76	4,644.94	4,632.40	23.18	21.50	-159.72	-145.91	329.91	569.65	526.82	42.83	13.299		
4,800.00	4,715.76	4,721.19	4,708.64	23.68	21.80	-160.20	-147.07	330.58	586.67	543.21	43.46	13.500		
4,900.00	4,813.77	4,814.79	4,802.23	24.18	22.15	-160.71	-146.45	331.52	605.83	561.60	44.24	13.696		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,911.77	4,908.99	4,896.42	24.69	22.50	-161.22	-145.31	331.99	625.70	580.68	45.02	13.897		
5,100.00	5,009.77	5,004.22	4,991.63	25.19	22.86	-161.77	-143.89	331.63	646.10	600.27	45.83	14.097		
5,200.00	5,107.78	5,100.89	5,088.28	25.69	23.24	-162.35	-142.40	330.52	666.82	620.15	46.67	14.287		
5,300.00	5,205.78	5,200.80	5,188.17	26.19	23.64	-162.97	-140.92	328.81	687.71	640.15	47.56	14.460		
5,400.00	5,303.78	5,315.80	5,303.16	26.70	24.11	-163.53	-141.19	328.78	706.48	657.88	48.61	14.535		
5,500.00	5,401.78	5,406.14	5,393.50	27.20	24.47	-163.94	-141.49	328.96	725.24	675.86	49.38	14.686		
5,600.00	5,499.79	5,501.20	5,488.56	27.70	24.86	-164.37	-140.98	328.52	745.03	694.82	50.21	14.837		
5,700.00	5,597.79	5,603.45	5,590.79	28.21	25.29	-164.91	-141.55	326.97	764.16	713.03	51.13	14.944		
5,800.00	5,695.79	5,692.08	5,679.41	28.71	25.66	-165.37	-141.57	325.27	783.99	732.09	51.91	15.104		
5,900.00	5,793.80	5,787.77	5,775.07	29.22	26.06	-165.85	-140.62	323.09	804.93	752.18	52.75	15.258		
6,000.00	5,891.80	5,892.26	5,879.54	29.72	26.50	-166.35	-140.68	321.11	824.81	771.11	53.70	15.359		
6,100.00	5,989.80	5,979.40	5,966.67	30.22	26.85	-166.61	-139.53	320.96	845.43	790.99	54.44	15.530		
6,200.00	6,087.80	6,076.96	6,064.21	30.73	27.23	-166.91	-137.38	320.19	867.10	811.81	55.29	15.683		
6,300.00	6,185.81	6,178.55	6,165.79	31.23	27.65	-167.24	-136.53	319.43	887.50	831.31	56.20	15.793		
6,400.00	6,283.81	6,270.84	6,258.05	31.74	28.03	-167.55	-134.79	317.94	909.19	852.19	57.00	15.952		
6,500.00	6,381.81	6,371.05	6,358.25	32.24	28.43	-167.83	-133.62	317.32	929.91	872.03	57.88	16.065		
6,520.79	6,402.19	6,387.47	6,374.66	32.35	28.50	-167.88	-133.33	317.16	934.36	876.35	58.02	16.105		
6,550.00	6,430.87	6,410.52	6,397.71	32.49	28.59	179.17	-132.82	316.87	940.54	882.34	58.20	16.160		
6,600.00	6,480.12	6,494.19	6,481.35	32.72	28.92	153.35	-131.37	317.40	949.70	890.72	58.99	16.101		
6,650.00	6,529.30	6,741.48	6,719.33	32.93	29.77	134.77	-141.59	375.52	948.33	888.37	59.95	15.818		
6,700.00	6,578.09	6,775.65	6,750.39	33.12	29.87	120.26	-143.81	389.60	944.76	884.39	60.38	15.647		
6,750.00	6,626.21	6,807.90	6,779.62	33.30	29.97	111.62	-145.54	403.11	941.44	880.66	60.78	15.489		
6,800.00	6,673.34	6,839.42	6,807.99	33.46	30.06	106.60	-146.87	416.77	938.59	877.43	61.16	15.346		
6,850.00	6,719.21	6,867.25	6,832.81	33.61	30.14	103.58	-147.72	429.33	936.53	875.01	61.52	15.224		
6,900.00	6,763.53	6,891.32	6,854.09	33.75	30.21	101.66	-148.23	440.57	935.61	873.77	61.84	15.129		
6,908.36	6,770.77	6,894.98	6,857.31	33.77	30.22	101.41	-148.28	442.30	935.59	873.70	61.89	15.116		
6,950.00	6,806.03	6,916.05	6,875.62	33.89	30.28	100.58	-148.52	452.71	936.10	873.94	62.16	15.060		
7,000.00	6,846.44	6,934.91	6,891.52	34.02	30.33	99.66	-148.62	462.86	938.22	875.79	62.43	15.028		
7,050.00	6,884.52	6,946.71	6,901.21	34.15	30.36	98.60	-148.62	469.60	942.30	879.66	62.64	15.044		
7,100.00	6,920.03	6,953.33	6,906.54	34.27	30.38	97.34	-148.60	473.51	948.48	885.70	62.78	15.109		
7,150.00	6,952.75	6,956.07	6,908.74	34.40	30.39	95.87	-148.59	475.16	956.80	893.93	62.87	15.219		
7,200.00	6,982.48	6,955.90	6,908.60	34.54	30.39	94.21	-148.59	475.05	967.18	904.25	62.93	15.370		
7,250.00	7,009.04	6,953.47	6,906.66	34.70	30.38	92.36	-148.60	473.59	979.49	916.52	62.98	15.554		
7,300.00	7,032.26	6,949.28	6,903.29	34.87	30.37	90.35	-148.61	471.11	993.57	930.54	63.03	15.763		
7,350.00	7,052.00	6,943.70	6,898.75	35.08	30.35	88.22	-148.62	467.85	1,009.20	946.09	63.11	15.991		
7,400.00	7,068.14	6,936.99	6,893.24	35.34	30.33	85.97	-148.62	464.02	1,026.19	962.96	63.23	16.229		
7,450.00	7,080.57	6,929.36	6,886.90	35.65	30.31	83.66	-148.60	459.79	1,044.30	980.90	63.40	16.471		
7,500.00	7,089.23	6,899.00	6,860.84	36.01	30.23	80.15	-148.34	444.22	1,063.84	1,000.66	63.19	16.837		
7,550.00	7,094.06	6,899.00	6,860.84	36.44	30.23	78.31	-148.34	444.22	1,083.19	1,019.55	63.64	17.022		
7,601.12	7,095.00	6,899.00	6,860.84	36.93	30.23	76.44	-148.34	444.22	1,103.62	1,039.46	64.15	17.203		
7,700.00	7,092.92	6,875.81	6,840.40	38.05	30.17	75.34	-147.93	433.29	1,146.82	1,082.03	64.78	17.702		
7,800.00	7,090.81	6,849.30	6,816.82	39.40	30.09	74.09	-147.21	421.17	1,196.16	1,130.80	65.36	18.300		
7,900.00	7,088.70	6,824.49	6,794.58	40.93	30.02	72.93	-146.29	410.22	1,250.61	1,184.66	65.95	18.963		
8,000.00	7,086.59	6,804.00	6,776.08	42.61	29.96	71.98	-145.35	401.46	1,309.61	1,243.04	66.57	19.673		
8,100.00	7,084.49	6,772.18	6,747.23	44.41	29.86	70.53	-143.61	388.16	1,372.51	1,305.53	66.97	20.493		
8,200.00	7,082.38	6,744.63	6,722.20	46.33	29.78	69.30	-141.81	376.81	1,438.78	1,371.37	67.41	21.345		
8,300.00	7,080.27	6,708.00	6,688.82	48.34	29.67	67.70	-139.02	361.96	1,508.05	1,440.37	67.68	22.282		
8,400.00	7,078.16	6,708.00	6,688.82	50.43	29.67	67.70	-139.02	361.96	1,579.96	1,511.56	68.39	23.101		
8,500.00	7,076.05	6,708.00	6,688.82	52.59	29.67	67.70	-139.02	361.96	1,654.78	1,585.76	69.02	23.976		
8,600.00	7,073.94	6,673.73	6,657.11	54.82	29.56	66.23	-136.46	349.24	1,731.06	1,661.86	69.21	25.013		
8,700.00	7,071.84	6,663.15	6,647.15	57.10	29.52	65.77	-135.78	345.74	1,809.85	1,740.24	69.61	26.000		
8,800.00	7,069.73	6,653.64	6,638.13	59.44	29.49	65.36	-135.22	342.77	1,890.47	1,820.50	69.98	27.016		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,067.62	6,613.00	6,599.02	61.81	29.36	63.59	-133.27	331.94	1,973.69	1,903.70	69.99	28.199		
9,000.00	7,065.51	6,613.00	6,599.02	64.23	29.36	63.59	-133.27	331.94	2,056.97	1,986.59	70.39	29.224		
9,100.00	7,063.40	6,613.00	6,599.02	66.68	29.36	63.59	-133.27	331.94	2,141.69	2,070.96	70.73	30.278		
9,200.00	7,061.29	6,613.00	6,599.02	69.15	29.36	63.59	-133.27	331.94	2,227.67	2,156.63	71.04	31.357		
9,300.00	7,059.18	6,613.00	6,599.02	71.66	29.36	63.59	-133.27	331.94	2,314.78	2,243.47	71.32	32.458		
9,400.00	7,057.08	6,613.00	6,599.02	74.19	29.36	63.59	-133.27	331.94	2,402.89	2,331.33	71.56	33.579		
9,500.00	7,054.97	6,613.00	6,599.02	76.75	29.36	63.59	-133.27	331.94	2,491.90	2,420.13	71.78	34.717		
9,600.00	7,052.86	6,613.00	6,599.02	79.32	29.36	63.59	-133.27	331.94	2,581.72	2,509.74	71.97	35.870		
9,700.00	7,050.75	6,613.00	6,599.02	81.91	29.36	63.59	-133.27	331.94	2,672.26	2,600.11	72.15	37.037		
9,800.00	7,048.64	6,613.00	6,599.02	84.52	29.36	63.59	-133.27	331.94	2,763.45	2,691.14	72.31	38.216		
9,900.00	7,046.53	6,613.00	6,599.02	87.14	29.36	63.59	-133.27	331.94	2,855.23	2,782.77	72.46	39.406		
10,000.00	7,044.43	6,613.00	6,599.02	89.78	29.36	63.59	-133.27	331.94	2,947.54	2,874.95	72.59	40.605		
10,100.00	7,042.32	6,613.00	6,599.02	92.43	29.36	63.59	-133.27	331.94	3,040.35	2,967.63	72.71	41.813		
10,200.00	7,040.21	6,613.00	6,599.02	95.09	29.36	63.59	-133.27	331.94	3,133.59	3,060.77	72.83	43.029		
10,300.00	7,038.10	6,613.00	6,599.02	97.76	29.36	63.59	-133.27	331.94	3,227.24	3,154.31	72.93	44.251		
10,400.00	7,035.99	6,573.80	6,560.59	100.44	29.22	61.89	-132.06	324.38	3,319.77	3,246.92	72.86	45.566		
10,500.00	7,033.88	6,571.12	6,557.94	103.13	29.21	61.77	-132.00	323.96	3,413.92	3,340.98	72.94	46.804		
10,600.00	7,031.78	6,568.58	6,555.43	105.82	29.20	61.66	-131.94	323.58	3,508.38	3,435.36	73.02	48.045		
10,700.00	7,029.67	6,566.18	6,553.05	108.53	29.19	61.56	-131.89	323.23	3,603.13	3,530.03	73.10	49.291		
10,800.00	7,027.56	6,563.89	6,550.79	111.24	29.18	61.46	-131.85	322.91	3,698.14	3,624.97	73.17	50.540		
10,900.00	7,025.45	6,561.72	6,548.65	113.96	29.17	61.37	-131.81	322.61	3,793.40	3,720.16	73.24	51.793		
11,000.00	7,023.34	6,559.66	6,546.60	116.68	29.16	61.28	-131.77	322.34	3,888.89	3,815.59	73.31	53.048		
11,100.00	7,021.23	6,518.00	6,505.13	119.41	29.01	59.50	-131.34	318.48	3,986.12	3,912.92	73.20	54.453		
11,200.00	7,019.13	6,518.00	6,505.13	122.15	29.01	59.50	-131.34	318.48	4,081.88	4,008.61	73.28	55.705		
11,300.00	7,017.02	6,518.00	6,505.13	124.89	29.01	59.50	-131.34	318.48	4,177.84	4,104.50	73.35	56.959		
11,400.00	7,014.91	6,518.00	6,505.13	127.63	29.01	59.50	-131.34	318.48	4,273.99	4,200.57	73.42	58.215		
11,500.00	7,012.80	6,518.00	6,505.13	130.38	29.01	59.50	-131.34	318.48	4,370.31	4,296.83	73.48	59.474		
11,600.00	7,010.69	6,518.00	6,505.13	133.14	29.01	59.50	-131.34	318.48	4,466.79	4,393.24	73.55	60.734		
11,700.00	7,008.58	6,518.00	6,505.13	135.89	29.01	59.50	-131.34	318.48	4,563.42	4,489.81	73.61	61.995		
11,800.00	7,006.47	6,518.00	6,505.13	138.65	29.01	59.50	-131.34	318.48	4,660.20	4,586.53	73.67	63.258		
11,900.00	7,004.37	6,518.00	6,505.13	141.42	29.01	59.50	-131.34	318.48	4,757.10	4,683.38	73.73	64.521		
12,000.00	7,002.26	6,518.00	6,505.13	144.19	29.01	59.50	-131.34	318.48	4,854.14	4,780.35	73.79	65.785		
12,100.00	7,000.15	6,518.00	6,505.13	146.96	29.01	59.50	-131.34	318.48	4,951.29	4,877.44	73.84	67.050		
12,200.00	6,998.04	6,518.00	6,505.13	149.73	29.01	59.50	-131.34	318.48	5,048.55	4,974.65	73.90	68.315		
12,300.00	6,995.93	6,518.00	6,505.13	152.51	29.01	59.50	-131.34	318.48	5,145.92	5,071.96	73.96	69.581		
12,400.00	6,993.82	6,518.00	6,505.13	155.28	29.01	59.50	-131.34	318.48	5,243.39	5,169.37	74.01	70.846		
12,500.00	6,991.72	6,518.00	6,505.13	158.06	29.01	59.50	-131.34	318.48	5,340.95	5,266.88	74.07	72.111		
12,600.00	6,989.61	6,518.00	6,505.13	160.85	29.01	59.50	-131.34	318.48	5,438.60	5,364.48	74.12	73.376		
12,700.00	6,987.50	6,518.00	6,505.13	163.63	29.01	59.50	-131.34	318.48	5,536.33	5,462.16	74.17	74.641		
12,800.00	6,985.39	6,518.00	6,505.13	166.42	29.01	59.50	-131.34	318.48	5,634.14	5,559.91	74.23	75.905		
12,900.00	6,983.28	6,518.00	6,505.13	169.21	29.01	59.50	-131.34	318.48	5,732.03	5,657.75	74.28	77.169		
13,000.00	6,981.17	6,518.00	6,505.13	172.00	29.01	59.50	-131.34	318.48	5,829.99	5,755.66	74.33	78.432		
13,100.00	6,979.07	6,518.00	6,505.13	174.79	29.01	59.50	-131.34	318.48	5,928.02	5,853.63	74.39	79.694		
13,200.00	6,976.96	6,518.00	6,505.13	177.59	29.01	59.50	-131.34	318.48	6,026.11	5,951.67	74.44	80.955		
13,300.00	6,974.85	6,518.00	6,505.13	180.38	29.01	59.50	-131.34	318.48	6,124.26	6,049.77	74.49	82.215		
13,400.00	6,972.74	6,518.00	6,505.13	183.18	29.01	59.50	-131.34	318.48	6,222.48	6,147.93	74.54	83.474		
13,500.00	6,970.63	6,518.00	6,505.13	185.98	29.01	59.50	-131.34	318.48	6,320.74	6,246.15	74.60	84.732		
13,600.00	6,968.52	6,518.00	6,505.13	188.78	29.01	59.50	-131.34	318.48	6,419.07	6,344.42	74.65	85.988		
13,700.00	6,966.41	6,518.00	6,505.13	191.58	29.01	59.50	-131.34	318.48	6,517.44	6,442.74	74.70	87.243		
13,800.00	6,964.31	6,518.00	6,505.13	194.39	29.01	59.50	-131.34	318.48	6,615.86	6,541.10	74.76	88.497		
13,900.00	6,962.20	6,518.00	6,505.13	197.19	29.01	59.50	-131.34	318.48	6,714.33	6,639.52	74.81	89.749		
14,000.00	6,960.09	6,518.00	6,505.13	200.00	29.01	59.50	-131.34	318.48	6,812.85	6,737.98	74.87	91.000		

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

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 39-MWVD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis		Distance							
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)		
14,100.00	6,957.98	6,518.00	6,505.13	202.80	29.01	59.50	-131.34	318.48	6,911.40	6,836.48	74.92	92.249	
14,200.00	6,955.87	6,518.00	6,505.13	205.61	29.01	59.50	-131.34	318.48	7,010.00	6,935.02	74.98	93.497	
14,300.00	6,953.76	6,518.00	6,505.13	208.42	29.01	59.50	-131.34	318.48	7,108.64	7,033.60	75.03	94.742	
14,400.00	6,951.66	6,518.00	6,505.13	211.23	29.01	59.50	-131.34	318.48	7,207.31	7,132.22	75.09	95.986	
14,500.00	6,949.55	6,518.00	6,505.13	214.04	29.01	59.50	-131.34	318.48	7,306.02	7,230.88	75.14	97.228	
14,600.00	6,947.44	6,518.00	6,505.13	216.85	29.01	59.50	-131.34	318.48	7,404.76	7,329.56	75.20	98.468	
14,700.00	6,945.33	6,518.00	6,505.13	219.66	29.01	59.50	-131.34	318.48	7,503.54	7,428.28	75.26	99.706	
14,800.00	6,943.22	6,518.00	6,505.13	222.48	29.01	59.50	-131.34	318.48	7,602.35	7,527.04	75.31	100.942	
14,900.00	6,941.11	6,518.00	6,505.13	225.29	29.01	59.50	-131.34	318.48	7,701.19	7,625.82	75.37	102.176	
15,000.00	6,939.01	6,518.00	6,505.13	228.11	29.01	59.50	-131.34	318.48	7,800.06	7,724.63	75.43	103.407	
15,100.00	6,936.90	6,518.00	6,505.13	230.92	29.01	59.50	-131.34	318.48	7,898.96	7,823.47	75.49	104.637	
15,200.00	6,934.79	6,518.00	6,505.13	233.74	29.01	59.50	-131.34	318.48	7,997.89	7,922.34	75.55	105.864	
15,300.00	6,932.68	6,518.00	6,505.13	236.56	29.01	59.50	-131.34	318.48	8,096.84	8,021.23	75.61	107.089	
15,400.00	6,930.57	6,518.00	6,505.13	239.37	29.01	59.50	-131.34	318.48	8,195.82	8,120.15	75.67	108.312	
15,500.00	6,928.46	6,518.00	6,505.13	242.19	29.01	59.50	-131.34	318.48	8,294.82	8,219.09	75.73	109.533	
15,521.99	6,928.00	6,518.00	6,505.13	242.81	29.01	59.50	-131.34	318.48	8,316.59	8,240.85	75.74	109.801	

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	82.45	68.87	519.73	524.31					
100.00	100.00	97.39	97.39	3.28	3.30	82.49	68.47	519.21	523.73	517.14	6.58	79.557		
200.00	200.00	200.17	200.15	3.34	3.37	82.59	67.37	518.26	522.67	515.95	6.71	77.858		
300.00	299.98	304.29	304.26	3.44	3.51	-64.14	66.04	516.59	520.16	513.20	6.95	74.795		
400.00	399.84	406.78	406.71	3.59	3.70	-64.66	64.81	514.20	515.42	508.13	7.29	70.686		
500.00	499.45	510.81	510.69	3.79	3.93	-65.68	64.05	511.06	508.64	500.92	7.73	65.842		
600.00	598.70	605.12	604.95	4.04	4.18	-66.99	63.29	508.13	500.52	492.31	8.21	60.995		
700.00	697.47	700.79	700.59	4.32	4.45	-68.65	62.00	506.11	492.21	483.45	8.76	56.186		
773.50	769.68	770.50	770.28	4.55	4.66	-70.08	60.71	505.10	485.95	476.75	9.20	52.796		
800.00	795.65	795.59	795.36	4.64	4.74	-70.58	60.20	504.84	483.75	474.38	9.37	51.618		
900.00	893.65	888.57	888.30	5.00	5.04	-72.41	57.74	504.63	476.44	466.42	10.02	47.536		
1,000.00	991.65	986.28	985.96	5.38	5.37	-74.26	54.42	505.34	470.36	459.63	10.73	43.844		
1,100.00	1,089.66	1,089.08	1,088.69	5.78	5.73	-76.22	50.53	505.82	464.44	452.95	11.49	40.431		
1,200.00	1,187.66	1,194.35	1,193.85	6.20	6.11	-78.33	46.24	504.44	457.28	444.99	12.29	37.219		
1,300.00	1,285.66	1,273.12	1,272.57	6.63	6.40	-79.95	43.61	504.87	452.67	439.67	13.01	34.808		
1,400.00	1,383.67	1,391.37	1,390.73	7.07	6.84	-82.39	40.09	506.94	450.15	436.27	13.88	32.423		
1,500.00	1,481.67	1,508.22	1,507.38	7.51	7.31	-85.05	35.06	502.51	442.50	427.73	14.77	29.955		
1,600.00	1,579.67	1,617.78	1,616.53	7.97	7.76	-87.83	29.94	494.58	432.49	416.85	15.64	27.656		
1,700.00	1,677.67	1,723.57	1,721.61	8.43	8.21	-90.59	22.92	484.62	420.46	403.97	16.50	25.484		
1,800.00	1,775.68	1,823.95	1,821.18	8.90	8.65	-93.03	13.86	475.73	408.47	391.11	17.36	23.529		
1,900.00	1,873.68	1,922.95	1,919.19	9.37	9.10	-95.16	2.11	468.14	396.44	378.21	18.23	21.747		
2,000.00	1,971.68	2,016.29	2,011.42	9.84	9.53	-96.76	-11.44	463.51	385.40	366.30	19.10	20.173		
2,100.00	2,069.69	2,107.27	2,101.49	10.32	9.95	-98.32	-23.99	460.71	376.60	356.61	19.98	18.848		
2,200.00	2,167.69	2,202.06	2,195.52	10.80	10.39	-100.03	-35.77	459.00	369.98	349.12	20.86	17.734		
2,300.00	2,265.69	2,301.10	2,293.93	11.28	10.84	-102.15	-46.51	456.30	364.21	342.46	21.75	16.746		
2,400.00	2,363.69	2,407.17	2,399.29	11.77	11.34	-104.61	-58.14	452.27	358.17	335.53	22.64	15.818		
2,500.00	2,461.70	2,508.76	2,500.03	12.25	11.83	-107.39	-69.35	445.55	350.85	327.33	23.52	14.914		
2,600.00	2,559.70	2,615.13	2,605.35	12.74	12.35	-110.58	-81.54	437.00	343.17	318.78	24.39	14.068		
2,700.00	2,657.70	2,714.65	2,703.65	13.23	12.84	-113.73	-94.15	427.88	334.85	309.58	25.27	13.252		
2,800.00	2,755.71	2,807.13	2,795.08	13.72	13.31	-116.75	-105.51	419.93	328.20	302.04	26.15	12.550		
2,900.00	2,853.71	2,899.97	2,887.10	14.21	13.77	-119.76	-115.92	413.29	324.24	297.21	27.03	11.997		
3,000.00	2,951.71	2,994.45	2,980.91	14.70	14.22	-122.71	-125.74	407.94	322.69	294.80	27.90	11.568		
3,059.09	3,009.62	3,052.88	3,038.97	15.00	14.51	-124.52	-131.55	404.89	322.58	294.16	28.41	11.353		
3,100.00	3,049.71	3,093.51	3,079.34	15.20	14.70	-125.81	-135.58	402.61	322.63	293.86	28.77	11.213		
3,200.00	3,147.72	3,198.05	3,183.06	15.69	15.22	-129.14	-146.88	396.24	322.50	292.84	29.66	10.873		
3,300.00	3,245.72	3,298.90	3,282.93	16.19	15.73	-132.43	-159.08	389.29	321.91	291.36	30.55	10.538		
3,313.12	3,258.58	3,311.19	3,295.10	16.25	15.79	-132.84	-160.58	388.40	321.89	291.22	30.66	10.497 CC, ES		
3,400.00	3,343.72	3,392.05	3,375.22	16.69	16.20	-135.50	-169.90	382.77	322.83	291.40	31.43	10.271		
3,500.00	3,441.73	3,482.24	3,464.85	17.18	16.64	-138.27	-178.58	377.77	326.95	294.66	32.29	10.125		
3,600.00	3,539.73	3,583.20	3,565.30	17.68	17.12	-141.14	-187.55	373.17	332.83	299.64	33.20	10.026		
3,700.00	3,637.73	3,693.43	3,674.75	18.18	17.66	-144.15	-199.59	368.02	337.48	303.34	34.14	9.885		
3,800.00	3,735.73	3,804.01	3,783.90	18.68	18.24	-147.27	-216.09	361.68	338.83	303.76	35.07	9.662		
3,900.00	3,833.74	3,905.03	3,883.32	19.18	18.79	-150.11	-233.04	355.90	339.18	303.17	36.00	9.421		
4,000.00	3,931.74	4,000.44	3,977.24	19.67	19.30	-152.73	-248.99	350.69	340.38	303.43	36.95	9.212		
4,100.00	4,029.74	4,091.80	4,067.48	20.17	19.78	-155.03	-262.63	346.61	344.00	306.12	37.88	9.081		
4,200.00	4,127.75	4,184.67	4,159.56	20.67	20.25	-157.13	-274.26	343.31	350.45	311.65	38.80	9.033		
4,300.00	4,225.75	4,282.09	4,256.30	21.18	20.73	-159.11	-285.45	340.49	358.31	318.58	39.73	9.019		
4,400.00	4,323.75	4,381.27	4,354.75	21.68	21.23	-161.13	-296.85	337.03	366.72	326.04	40.68	9.016 SF		
4,500.00	4,421.76	4,477.25	4,449.90	22.18	21.71	-163.29	-308.32	331.78	375.69	334.07	41.62	9.027		
4,600.00	4,519.76	4,573.89	4,545.81	22.68	22.20	-165.36	-318.90	326.25	386.21	343.63	42.57	9.071		
4,700.00	4,617.76	4,672.95	4,644.02	23.18	22.70	-167.47	-330.09	319.96	397.13	353.57	43.56	9.118		
4,800.00	4,715.76	4,777.09	4,747.36	23.68	23.23	-169.39	-341.88	314.67	408.07	363.49	44.57	9.155		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,813.77	4,874.38	4,843.94	24.18	23.71	-170.85	-353.22	311.84	418.22	372.69	45.52	9.187		
5,000.00	4,911.77	4,965.81	4,934.90	24.69	24.15	-171.98	-362.20	309.81	429.98	383.58	46.41	9.266		
5,100.00	5,009.77	5,055.06	5,023.87	25.19	24.57	-172.92	-369.03	307.85	443.86	396.62	47.24	9.396		
5,200.00	5,107.78	5,145.02	5,113.70	25.69	24.96	-173.61	-373.47	306.39	459.98	411.94	48.04	9.576		
5,300.00	5,205.78	5,235.27	5,203.93	26.19	25.33	-173.94	-375.39	306.56	477.81	429.01	48.80	9.791		
5,400.00	5,303.78	5,323.57	5,292.23	26.70	25.68	-174.22	-375.74	306.13	497.48	447.97	49.51	10.048		
5,500.00	5,401.78	5,412.46	5,381.10	27.20	26.01	-174.46	-374.38	305.06	519.13	468.93	50.21	10.340		
5,600.00	5,499.79	5,504.21	5,472.81	27.70	26.34	-174.67	-371.91	303.53	542.02	491.08	50.94	10.640		
5,700.00	5,597.79	5,601.04	5,569.55	28.21	26.68	-174.93	-368.74	301.09	565.80	514.04	51.77	10.930		
5,800.00	5,695.79	5,716.95	5,685.43	28.71	27.10	-175.11	-366.24	299.97	587.96	535.08	52.89	11.118		
5,900.00	5,793.80	5,815.41	5,783.86	29.22	27.46	-175.09	-365.47	301.71	607.61	553.90	53.71	11.312		
6,000.00	5,891.80	5,916.03	5,884.47	29.72	27.83	-175.16	-364.36	302.11	628.21	573.63	54.59	11.508		
6,100.00	5,989.80	6,007.97	5,976.41	30.22	28.19	-175.37	-364.70	301.44	648.09	592.73	55.36	11.707		
6,200.00	6,087.80	6,108.38	6,076.81	30.73	28.58	-175.51	-363.53	300.80	669.22	612.98	56.24	11.899		
6,300.00	6,185.81	6,198.18	6,166.61	31.23	28.92	-175.63	-362.98	300.51	689.77	632.79	56.98	12.106		
6,400.00	6,283.81	6,293.64	6,262.04	31.74	29.28	-175.74	-360.91	299.56	711.92	654.13	57.78	12.320		
6,500.00	6,381.81	6,396.49	6,364.87	32.24	29.65	-175.74	-358.74	300.00	733.34	674.66	58.68	12.497		
6,520.79	6,402.19	6,417.52	6,385.88	32.35	29.73	-175.72	-358.23	300.36	737.73	678.87	58.86	12.533		
6,550.00	6,430.87	6,451.33	6,419.66	32.49	29.85	171.55	-357.28	301.39	743.51	684.35	59.16	12.568		
6,600.00	6,480.12	6,511.00	6,479.14	32.72	30.05	146.22	-355.08	305.56	751.45	691.79	59.66	12.595		
6,650.00	6,529.30	6,560.79	6,528.78	32.93	30.82	130.23	-356.01	376.26	751.94	691.76	60.18	12.495		
6,700.00	6,578.09	6,626.23	6,773.37	33.12	30.99	117.99	-360.43	408.80	743.88	683.48	60.40	12.316		
6,750.00	6,626.21	6,658.30	6,800.28	33.30	31.06	110.33	-362.12	426.16	735.98	675.08	60.90	12.085		
6,800.00	6,673.34	6,885.58	6,822.74	33.46	31.13	106.04	-363.08	441.61	729.12	667.74	61.38	11.878		
6,850.00	6,719.21	6,913.18	6,845.01	33.61	31.19	103.88	-363.66	457.91	723.82	662.00	61.82	11.709		
6,900.00	6,763.53	6,939.54	6,865.66	33.75	31.24	102.89	-364.09	474.28	720.35	658.13	62.22	11.578		
6,945.72	6,802.47	6,956.73	6,878.78	33.88	31.27	102.10	-364.33	485.38	719.24	656.71	62.53	11.503		
6,950.00	6,806.03	6,958.04	6,879.77	33.89	31.27	102.02	-364.35	486.24	719.25	656.69	62.55	11.498		
7,000.00	6,846.44	6,970.11	6,888.80	34.02	31.30	101.01	-364.49	494.24	720.92	658.14	62.78	11.483		
7,050.00	6,884.52	6,976.91	6,893.82	34.15	31.31	99.74	-364.57	498.83	725.59	662.69	62.89	11.537		
7,100.00	6,920.03	6,979.41	6,895.66	34.27	31.31	98.14	-364.59	500.53	733.27	670.38	62.89	11.660		
7,150.00	6,952.75	6,978.38	6,894.90	34.40	31.31	96.20	-364.58	499.83	743.88	681.10	62.78	11.849		
7,200.00	6,982.48	6,974.42	6,891.99	34.54	31.30	93.95	-364.54	497.15	757.22	694.62	62.61	12.095		
7,250.00	7,009.04	6,968.04	6,887.26	34.70	31.29	91.41	-364.47	492.86	773.01	710.61	62.40	12.389		
7,300.00	7,032.26	6,959.61	6,880.96	34.87	31.28	88.62	-364.37	487.27	790.93	728.74	62.19	12.718		
7,350.00	7,052.00	6,949.48	6,873.28	35.08	31.26	85.64	-364.23	480.66	810.63	748.62	62.01	13.073		
7,400.00	7,068.14	6,937.89	6,864.38	35.34	31.23	82.53	-364.07	473.23	831.76	769.88	61.88	13.442		
7,450.00	7,080.57	6,925.06	6,854.39	35.65	31.21	79.35	-363.87	465.19	853.97	792.16	61.82	13.815		
7,500.00	7,089.23	6,899.00	6,833.63	36.01	31.16	75.43	-363.40	449.44	877.08	815.60	61.48	14.266		
7,550.00	7,094.06	6,899.00	6,833.63	36.44	31.16	73.22	-363.40	449.44	900.34	838.36	61.98	14.526		
7,601.12	7,095.00	6,899.00	6,833.63	36.93	31.16	70.99	-363.40	449.44	924.76	862.18	62.58	14.778		
7,700.00	7,092.92	6,852.99	6,795.87	38.05	31.05	68.60	-361.88	423.22	974.11	911.48	62.63	15.554		
7,800.00	7,090.81	6,826.33	6,773.46	39.40	30.99	67.23	-360.43	408.85	1,030.05	966.85	63.20	16.299		
7,900.00	7,088.70	6,804.00	6,754.42	40.93	30.94	66.10	-358.90	397.29	1,091.02	1,027.19	63.83	17.092		
8,000.00	7,086.59	6,769.82	6,724.73	42.61	30.85	64.39	-356.55	380.50	1,156.14	1,091.97	64.17	18.018		
8,100.00	7,084.49	6,742.21	6,700.28	44.41	30.77	63.00	-354.97	367.81	1,224.79	1,160.19	64.60	18.960		
8,200.00	7,082.38	6,709.00	6,670.31	46.33	30.68	61.35	-353.45	353.57	1,296.64	1,231.77	64.87	19.989		
8,300.00	7,080.27	6,709.00	6,670.31	48.34	30.68	61.35	-353.45	353.57	1,371.31	1,305.61	65.70	20.871		
8,400.00	7,078.16	6,685.32	6,648.49	50.43	30.61	60.17	-352.76	344.40	1,448.47	1,382.43	66.04	21.933		
8,500.00	7,076.05	6,664.00	6,628.45	52.59	30.55	59.09	-352.56	337.13	1,528.12	1,461.76	66.36	23.028		
8,600.00	7,073.94	6,664.00	6,628.45	54.82	30.55	59.09	-352.56	337.13	1,609.63	1,542.68	66.95	24.043		
8,700.00	7,071.84	6,664.00	6,628.45	57.10	30.55	59.09	-352.56	337.13	1,693.12	1,625.67	67.45	25.101		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,069.73	6,642.33	6,607.80	59.44	30.48	58.00	-352.56	330.55	1,777.87	1,710.25	67.63	26.290		
8,900.00	7,067.62	6,633.53	6,599.36	61.81	30.45	57.56	-352.57	328.07	1,864.11	1,796.19	67.92	27.444		
9,000.00	7,065.51	6,614.00	6,580.51	64.23	30.39	56.60	-352.58	322.97	1,951.66	1,883.59	68.07	28.672		
9,100.00	7,063.40	6,614.00	6,580.51	66.68	30.39	56.60	-352.58	322.97	2,040.02	1,971.63	68.40	29.827		
9,200.00	7,061.29	6,614.00	6,580.51	69.15	30.39	56.60	-352.58	322.97	2,129.42	2,060.73	68.68	31.003		
9,300.00	7,059.18	6,614.00	6,580.51	71.66	30.39	56.60	-352.58	322.97	2,219.72	2,150.78	68.94	32.199		
9,400.00	7,057.08	6,614.00	6,580.51	74.19	30.39	56.60	-352.58	322.97	2,310.81	2,241.65	69.16	33.412		
9,500.00	7,054.97	6,614.00	6,580.51	76.75	30.39	56.60	-352.58	322.97	2,402.62	2,333.26	69.36	34.639		
9,600.00	7,052.86	6,614.00	6,580.51	79.32	30.39	56.60	-352.58	322.97	2,495.06	2,425.52	69.54	35.879		
9,700.00	7,050.75	6,614.00	6,580.51	81.91	30.39	56.60	-352.58	322.97	2,588.05	2,518.35	69.70	37.131		
9,800.00	7,048.64	6,576.11	6,543.54	84.52	30.27	54.75	-352.94	314.70	2,680.34	2,610.74	69.60	38.510		
9,900.00	7,046.53	6,571.62	6,539.14	87.14	30.25	54.53	-353.03	313.86	2,773.99	2,704.27	69.72	39.788		
10,000.00	7,044.43	6,567.42	6,535.00	89.78	30.24	54.33	-353.12	313.10	2,868.04	2,798.22	69.83	41.073		
10,100.00	7,042.32	6,563.46	6,531.10	92.43	30.23	54.14	-353.21	312.42	2,962.46	2,892.53	69.93	42.364		
10,200.00	7,040.21	6,559.74	6,527.43	95.09	30.21	53.96	-353.30	311.79	3,057.20	2,987.18	70.02	43.659		
10,300.00	7,038.10	6,556.23	6,523.97	97.76	30.20	53.79	-353.40	311.22	3,152.25	3,082.13	70.11	44.959		
10,400.00	7,035.99	6,519.00	6,487.09	100.44	30.08	52.03	-354.73	306.35	3,248.54	3,178.54	70.00	46.405		
10,500.00	7,033.88	6,519.00	6,487.09	103.13	30.08	52.03	-354.73	306.35	3,343.95	3,273.84	70.11	47.697		
10,600.00	7,031.78	6,519.00	6,487.09	105.82	30.08	52.03	-354.73	306.35	3,439.62	3,369.42	70.21	48.993		
10,700.00	7,029.67	6,519.00	6,487.09	108.53	30.08	52.03	-354.73	306.35	3,535.53	3,465.23	70.30	50.293		
10,800.00	7,027.56	6,519.00	6,487.09	111.24	30.08	52.03	-354.73	306.35	3,631.67	3,561.28	70.39	51.596		
10,900.00	7,025.45	6,519.00	6,487.09	113.96	30.08	52.03	-354.73	306.35	3,728.00	3,657.53	70.47	52.903		
11,000.00	7,023.34	6,519.00	6,487.09	116.68	30.08	52.03	-354.73	306.35	3,824.52	3,753.98	70.55	54.212		
11,100.00	7,021.23	6,519.00	6,487.09	119.41	30.08	52.03	-354.73	306.35	3,921.22	3,850.60	70.62	55.523		
11,200.00	7,019.13	6,519.00	6,487.09	122.15	30.08	52.03	-354.73	306.35	4,018.08	3,947.38	70.70	56.836		
11,300.00	7,017.02	6,519.00	6,487.09	124.89	30.08	52.03	-354.73	306.35	4,115.09	4,044.32	70.77	58.150		
11,400.00	7,014.91	6,519.00	6,487.09	127.63	30.08	52.03	-354.73	306.35	4,212.24	4,141.40	70.83	59.466		
11,500.00	7,012.80	6,519.00	6,487.09	130.38	30.08	52.03	-354.73	306.35	4,309.52	4,238.62	70.90	60.783		
11,600.00	7,010.69	6,519.00	6,487.09	133.14	30.08	52.03	-354.73	306.35	4,406.92	4,335.96	70.96	62.100		
11,700.00	7,008.58	6,519.00	6,487.09	135.89	30.08	52.03	-354.73	306.35	4,504.44	4,433.41	71.03	63.418		
11,800.00	7,006.47	6,519.00	6,487.09	138.65	30.08	52.03	-354.73	306.35	4,602.06	4,530.97	71.09	64.737		
11,900.00	7,004.37	6,519.00	6,487.09	141.42	30.08	52.03	-354.73	306.35	4,699.78	4,628.63	71.15	66.055		
12,000.00	7,002.26	6,519.00	6,487.09	144.19	30.08	52.03	-354.73	306.35	4,797.60	4,726.39	71.21	67.374		
12,100.00	7,000.15	6,519.00	6,487.09	146.96	30.08	52.03	-354.73	306.35	4,895.50	4,824.23	71.27	68.692		
12,200.00	6,998.04	6,519.00	6,487.09	149.73	30.08	52.03	-354.73	306.35	4,993.49	4,922.16	71.33	70.010		
12,300.00	6,995.93	6,519.00	6,487.09	152.51	30.08	52.03	-354.73	306.35	5,091.55	5,020.17	71.38	71.328		
12,400.00	6,993.82	6,519.00	6,487.09	155.28	30.08	52.03	-354.73	306.35	5,189.69	5,118.25	71.44	72.645		
12,500.00	6,991.72	6,519.00	6,487.09	158.06	30.08	52.03	-354.73	306.35	5,287.90	5,216.40	71.50	73.961		
12,600.00	6,989.61	6,519.00	6,487.09	160.85	30.08	52.03	-354.73	306.35	5,386.18	5,314.62	71.55	75.276		
12,700.00	6,987.50	6,519.00	6,487.09	163.63	30.08	52.03	-354.73	306.35	5,484.51	5,412.90	71.61	76.590		
12,800.00	6,985.39	6,519.00	6,487.09	166.42	30.08	52.03	-354.73	306.35	5,582.91	5,511.24	71.66	77.903		
12,900.00	6,983.28	6,519.00	6,487.09	169.21	30.08	52.03	-354.73	306.35	5,681.36	5,609.64	71.72	79.215		
13,000.00	6,981.17	6,519.00	6,487.09	172.00	30.08	52.03	-354.73	306.35	5,779.87	5,708.09	71.78	80.525		
13,100.00	6,979.07	6,519.00	6,487.09	174.79	30.08	52.03	-354.73	306.35	5,878.42	5,806.59	71.83	81.834		
13,200.00	6,976.96	6,519.00	6,487.09	177.59	30.08	52.03	-354.73	306.35	5,977.03	5,905.14	71.89	83.142		
13,300.00	6,974.85	6,519.00	6,487.09	180.38	30.08	52.03	-354.73	306.35	6,075.68	6,003.73	71.95	84.448		
13,400.00	6,972.74	6,519.00	6,487.09	183.18	30.08	52.03	-354.73	306.35	6,174.37	6,102.37	72.00	85.752		
13,500.00	6,970.63	6,519.00	6,487.09	185.98	30.08	52.03	-354.73	306.35	6,273.10	6,201.04	72.06	87.054		
13,600.00	6,968.52	6,519.00	6,487.09	188.78	30.08	52.03	-354.73	306.35	6,371.88	6,299.76	72.12	88.355		
13,700.00	6,966.41	6,519.00	6,487.09	191.58	30.08	52.03	-354.73	306.35	6,470.69	6,398.52	72.17	89.653		
13,800.00	6,964.31	6,519.00	6,487.09	194.39	30.08	52.03	-354.73	306.35	6,569.54	6,497.31	72.23	90.950		
13,900.00	6,962.20	6,519.00	6,487.09	197.19	30.08	52.03	-354.73	306.35	6,668.42	6,596.13	72.29	92.245		

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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,960.09	6,519.00	6,487.09	200.00	30.08	52.03	-354.73	306.35	6,767.33	6,694.99	72.35	93.537					
14,100.00	6,957.98	6,519.00	6,487.09	202.80	30.08	52.03	-354.73	306.35	6,866.28	6,793.87	72.41	94.828					
14,200.00	6,955.87	6,478.59	6,446.87	205.61	29.94	50.18	-356.36	302.91	6,964.42	6,892.07	72.36	96.253					
14,300.00	6,953.76	6,477.35	6,445.63	208.42	29.94	50.12	-356.41	302.83	7,063.38	6,990.96	72.41	97.543					
14,400.00	6,951.66	6,476.13	6,444.41	211.23	29.93	50.07	-356.45	302.75	7,162.36	7,089.89	72.47	98.831					
14,500.00	6,949.55	6,474.94	6,443.23	214.04	29.93	50.02	-356.49	302.67	7,261.37	7,188.84	72.53	100.116					
14,600.00	6,947.44	6,473.79	6,442.07	216.85	29.92	49.97	-356.53	302.60	7,360.40	7,287.81	72.59	101.399					
14,700.00	6,945.33	6,472.65	6,440.94	219.66	29.92	49.92	-356.57	302.53	7,459.46	7,386.81	72.65	102.680					
14,800.00	6,943.22	6,471.55	6,439.84	222.48	29.92	49.87	-356.61	302.46	7,558.54	7,485.84	72.71	103.958					
14,900.00	6,941.11	6,470.46	6,438.76	225.29	29.91	49.82	-356.65	302.39	7,657.65	7,584.88	72.77	105.233					
15,000.00	6,939.01	6,469.40	6,437.70	228.11	29.91	49.77	-356.69	302.33	7,756.78	7,683.95	72.83	106.505					
15,100.00	6,936.90	6,468.37	6,436.67	230.92	29.91	49.73	-356.72	302.27	7,855.92	7,783.03	72.89	107.775					
15,200.00	6,934.79	6,467.36	6,435.66	233.74	29.90	49.68	-356.76	302.21	7,955.09	7,882.14	72.95	109.042					
15,300.00	6,932.68	6,466.36	6,434.67	236.56	29.90	49.64	-356.79	302.15	8,054.28	7,981.26	73.02	110.307					
15,400.00	6,930.57	6,465.39	6,433.70	239.37	29.90	49.60	-356.83	302.09	8,153.49	8,080.40	73.08	111.568					
15,500.00	6,928.46	6,424.00	6,392.36	242.19	29.75	47.83	-358.06	300.50	8,253.53	8,180.48	73.05	112.989					
15,521.99	6,928.00	6,424.00	6,392.36	242.81	29.75	47.83	-358.06	300.50	8,275.34	8,202.27	73.06	113.264					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	74.77	143.55	527.24	546.48					
100.00	100.00	99.74	99.74	3.28	3.29	74.78	143.32	526.66	545.86	539.29	6.57	83.050		
200.00	200.00	202.88	202.87	3.34	3.32	74.79	142.69	524.96	544.10	537.44	6.66	81.697		
300.00	299.98	298.09	298.06	3.44	3.41	-72.11	142.95	523.49	542.14	535.29	6.85	79.129		
400.00	399.84	392.35	392.30	3.59	3.55	-72.83	144.52	522.66	540.16	533.03	7.13	75.708		
500.00	499.45	484.88	484.76	3.79	3.72	-74.05	148.06	522.20	538.32	530.81	7.51	71.720		
600.00	598.70	575.84	575.47	4.04	3.92	-75.88	154.74	522.27	537.53	529.57	7.96	67.546		
683.43	681.13	655.79	655.11	4.27	4.13	-77.83	161.69	522.47	537.34	528.94	8.40	63.955 CC		
700.00	697.47	671.55	670.82	4.32	4.17	-78.24	163.07	522.53	537.35	528.86	8.50	63.254		
773.50	769.68	741.31	740.31	4.55	4.37	-80.16	169.09	522.95	537.67	528.74	8.93	60.192 ES		
800.00	795.65	766.42	765.33	4.64	4.45	-80.89	171.33	523.11	537.94	528.84	9.10	59.122		
900.00	893.65	858.48	856.90	5.00	4.75	-83.69	180.77	523.36	540.09	530.34	9.75	55.367		
1,000.00	991.65	946.82	944.39	5.38	5.07	-86.63	192.87	523.17	545.04	534.59	10.45	52.159		
1,100.00	1,089.66	1,037.85	1,034.14	5.78	5.43	-89.89	208.08	522.03	552.62	541.43	11.19	49.372		
1,200.00	1,187.66	1,127.94	1,122.66	6.20	5.81	-93.18	224.76	520.48	562.98	551.02	11.96	47.063		
1,300.00	1,285.66	1,222.18	1,215.25	6.63	6.24	-96.51	242.22	518.83	575.48	562.72	12.77	45.080		
1,400.00	1,383.67	1,313.38	1,304.85	7.07	6.67	-99.58	259.14	517.48	590.21	576.64	13.56	43.510		
1,500.00	1,481.67	1,413.66	1,403.44	7.51	7.15	-102.79	277.38	515.80	606.41	592.00	14.42	42.067		
1,600.00	1,579.67	1,515.63	1,503.96	7.97	7.64	-105.86	294.37	513.16	622.62	607.34	15.28	40.747		
1,700.00	1,677.67	1,607.00	1,593.99	8.43	8.09	-108.48	309.77	510.86	640.58	624.49	16.09	39.814		
1,800.00	1,775.68	1,707.58	1,693.23	8.90	8.59	-111.22	325.79	507.54	658.80	641.85	16.95	38.861		
1,900.00	1,873.68	1,790.29	1,774.76	9.37	9.00	-113.35	339.51	505.33	679.19	661.48	17.71	38.359		
2,000.00	1,971.68	1,879.39	1,862.59	9.84	9.45	-115.43	354.48	504.39	701.68	683.19	18.49	37.944		
2,100.00	2,069.69	1,966.30	1,948.20	10.32	9.90	-117.30	369.42	504.32	725.90	706.64	19.26	37.692		
2,200.00	2,167.69	2,046.99	2,027.50	10.80	10.33	-118.97	384.38	504.48	752.23	732.26	19.98	37.656		
2,300.00	2,265.69	2,154.41	2,132.94	11.28	10.91	-121.12	404.83	503.62	779.45	758.55	20.90	37.290		
2,400.00	2,363.69	2,261.54	2,238.37	11.77	11.48	-123.25	423.51	500.12	805.11	783.29	21.83	36.884		
2,500.00	2,461.70	2,332.99	2,308.51	12.25	11.87	-124.64	436.81	497.30	832.47	810.00	22.48	37.036		
2,600.00	2,559.70	2,433.51	2,407.08	12.74	12.42	-126.45	456.26	494.11	861.48	838.12	23.36	36.878		
2,700.00	2,657.70	2,526.55	2,498.50	13.23	12.93	-127.94	473.42	492.11	890.58	866.40	24.18	36.832		
2,800.00	2,755.71	2,599.66	2,570.25	13.72	13.34	-129.00	487.43	491.56	921.22	896.39	24.83	37.107		
2,900.00	2,853.71	2,687.25	2,655.99	14.21	13.84	-130.15	505.33	491.93	953.73	928.13	25.60	37.256		
3,000.00	2,951.71	2,782.38	2,749.09	14.70	14.38	-131.36	524.89	491.63	986.59	960.15	26.44	37.309		
3,100.00	3,049.71	2,879.03	2,843.70	15.20	14.94	-132.57	544.60	490.37	1,019.48	992.18	27.31	37.336		
3,200.00	3,147.72	2,976.06	2,938.72	15.69	15.49	-133.73	564.10	488.46	1,052.35	1,024.18	28.17	37.354		
3,300.00	3,245.72	3,074.30	3,035.04	16.19	16.05	-134.84	583.36	486.58	1,085.11	1,056.05	29.05	37.351		
3,400.00	3,343.72	3,177.21	3,136.07	16.69	16.63	-135.92	602.84	484.46	1,117.53	1,087.56	29.97	37.285		
3,500.00	3,441.73	3,273.16	3,230.39	17.18	17.17	-136.86	620.40	482.68	1,149.67	1,118.83	30.83	37.288		
3,600.00	3,539.73	3,371.33	3,326.96	17.68	17.71	-137.73	637.95	481.59	1,181.75	1,150.04	31.71	37.265		
3,700.00	3,637.73	3,465.17	3,419.35	18.18	18.23	-138.47	654.41	481.56	1,213.83	1,181.28	32.55	37.286		
3,800.00	3,735.73	3,563.75	3,516.43	18.68	18.77	-139.21	671.51	481.34	1,245.89	1,212.45	33.44	37.257		
3,900.00	3,833.74	3,671.08	3,622.26	19.18	19.35	-139.99	689.38	480.63	1,277.42	1,243.01	34.40	37.131		
4,000.00	3,931.74	3,732.13	3,682.34	19.67	19.69	-140.41	700.24	480.26	1,310.05	1,275.09	34.96	37.475		
4,100.00	4,029.74	3,812.53	3,761.24	20.17	20.14	-140.95	715.68	479.88	1,344.29	1,308.61	35.68	37.673		
4,200.00	4,127.75	3,901.32	3,848.27	20.67	20.66	-141.54	733.21	479.16	1,379.18	1,342.69	36.49	37.796		
4,300.00	4,225.75	4,002.34	3,947.31	21.18	21.24	-142.20	753.11	477.74	1,414.15	1,376.74	37.42	37.795		
4,400.00	4,323.75	4,101.63	4,044.77	21.68	21.81	-142.83	771.95	475.72	1,448.54	1,410.22	38.32	37.797		
4,500.00	4,421.76	4,209.51	4,150.76	22.18	22.42	-143.51	791.87	473.00	1,482.60	1,443.29	39.31	37.713		
4,600.00	4,519.76	4,288.83	4,228.74	22.68	22.86	-143.99	806.26	470.97	1,516.49	1,476.45	40.03	37.880		
4,700.00	4,617.76	4,382.86	4,321.06	23.18	23.40	-144.45	824.10	470.70	1,551.28	1,510.38	40.90	37.932		
4,800.00	4,715.76	4,483.05	4,419.53	23.68	23.96	-144.94	842.52	469.95	1,585.58	1,543.77	41.82	37.917		
4,900.00	4,813.77	4,584.98	4,519.78	24.18	24.54	-145.44	860.87	468.43	1,619.64	1,576.89	42.75	37.883		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,911.77	4,669.36	4,602.80	24.69	25.01	-145.84	875.94	467.11	1,653.64	1,610.11	43.53	37.991		
5,100.00	5,009.77	4,767.96	4,699.74	25.19	25.56	-146.24	893.99	466.87	1,688.13	1,643.69	44.44	37.990		
5,200.00	5,107.78	4,865.69	4,795.91	25.69	26.11	-146.64	911.31	466.22	1,722.13	1,676.79	45.34	37.986		
5,300.00	5,205.78	4,970.08	4,898.69	26.19	26.69	-147.07	929.51	464.86	1,755.94	1,709.65	46.30	37.928		
5,400.00	5,303.78	5,084.59	5,011.63	26.70	27.31	-147.52	948.40	463.40	1,788.94	1,741.59	47.34	37.786		
5,500.00	5,401.78	5,149.82	5,075.92	27.20	27.67	-147.76	959.34	462.79	1,822.22	1,774.27	47.95	38.002		
5,600.00	5,499.79	5,248.47	5,173.02	27.70	28.22	-148.13	976.71	461.22	1,856.42	1,807.56	48.86	37.994		
5,700.00	5,597.79	5,327.43	5,250.78	28.21	28.66	-148.44	990.36	459.44	1,890.43	1,840.84	49.59	38.121		
5,800.00	5,695.79	5,410.32	5,332.22	28.71	29.13	-148.76	1,005.55	457.25	1,925.46	1,875.10	50.35	38.238		
5,900.00	5,793.80	5,524.67	5,444.68	29.22	29.77	-149.12	1,026.29	456.32	1,960.30	1,908.88	51.42	38.125		
6,000.00	5,891.80	5,648.05	5,566.33	29.72	30.44	-149.52	1,046.79	454.59	1,993.75	1,941.20	52.55	37.939		
6,100.00	5,989.80	6,000.61	5,916.81	30.22	32.09	-150.65	1,082.32	448.70	2,022.53	1,967.32	55.21	36.633		
6,200.00	6,087.80	6,181.66	6,097.84	30.73	32.70	-151.15	1,082.69	448.72	2,039.36	1,982.96	56.40	36.156		
6,300.00	6,185.81	6,281.05	6,197.23	31.23	33.02	-151.41	1,082.06	448.93	2,056.23	1,999.00	57.24	35.926		
6,400.00	6,283.81	6,371.79	6,287.96	31.74	33.32	-151.62	1,081.37	450.47	2,072.91	2,014.86	58.04	35.713		
6,500.00	6,381.81	6,456.45	6,372.52	32.24	33.61	-151.74	1,081.59	454.10	2,090.33	2,031.49	58.84	35.528		
6,520.79	6,402.19	6,474.90	6,390.87	32.35	33.67	-151.73	1,081.81	456.00	2,094.02	2,035.01	59.01	35.488		
6,550.00	6,430.87	6,500.73	6,416.46	32.49	33.76	-164.54	1,082.22	459.45	2,099.20	2,039.96	59.24	35.433		
6,600.00	6,480.12	6,529.40	6,444.62	32.72	33.86	169.45	1,082.95	464.73	2,108.15	2,048.57	59.58	35.386		
6,650.00	6,529.30	6,554.87	6,469.22	32.93	33.95	145.73	1,084.02	471.21	2,117.38	2,057.50	59.88	35.363		
6,700.00	6,578.09	6,578.05	6,491.17	33.12	34.03	129.22	1,085.34	478.56	2,126.91	2,066.76	60.15	35.360		
6,750.00	6,626.21	6,600.00	6,511.46	33.30	34.11	118.55	1,086.89	486.77	2,136.79	2,076.39	60.40	35.376		
6,800.00	6,673.34	6,945.62	6,813.92	33.46	35.12	117.88	1,089.57	648.23	2,144.66	2,082.39	62.26	34.445		
6,850.00	6,719.21	6,960.85	6,825.24	33.61	35.15	113.23	1,088.73	658.38	2,150.56	2,087.95	62.61	34.350		
6,900.00	6,763.53	6,972.65	6,833.88	33.75	35.18	109.70	1,088.12	666.39	2,157.47	2,094.55	62.92	34.289		
6,950.00	6,806.03	6,981.93	6,840.59	33.89	35.20	106.86	1,087.66	672.79	2,165.41	2,102.20	63.21	34.258		
7,000.00	6,846.44	6,990.31	6,846.57	34.02	35.22	104.47	1,087.26	678.64	2,174.36	2,110.87	63.49	34.247 SF		
7,050.00	6,884.52	6,994.55	6,849.58	34.15	35.22	102.28	1,087.05	681.63	2,184.30	2,120.56	63.74	34.267		
7,100.00	6,920.03	6,995.34	6,850.13	34.27	35.23	100.20	1,087.01	682.19	2,195.17	2,131.20	63.98	34.313		
7,150.00	6,952.75	6,993.20	6,848.62	34.40	35.22	98.18	1,087.12	680.68	2,206.91	2,142.71	64.20	34.377		
7,200.00	6,982.48	6,988.60	6,845.36	34.54	35.21	96.19	1,087.34	677.44	2,219.41	2,154.99	64.42	34.453		
7,250.00	7,009.04	6,980.00	6,839.20	34.70	35.19	94.18	1,087.76	671.45	2,232.56	2,167.93	64.63	34.542		
7,300.00	7,032.26	6,980.00	6,839.20	34.87	35.19	92.46	1,087.76	671.45	2,246.26	2,181.31	64.95	34.585		
7,350.00	7,052.00	6,967.16	6,829.88	35.08	35.17	90.47	1,088.40	662.65	2,260.35	2,195.15	65.21	34.665		
7,400.00	7,068.14	6,958.13	6,823.23	35.34	35.15	88.65	1,088.88	656.55	2,274.75	2,209.22	65.53	34.713		
7,450.00	7,080.57	6,948.01	6,815.70	35.65	35.13	86.87	1,089.44	649.81	2,289.31	2,223.42	65.89	34.745		
7,500.00	7,089.23	6,932.00	6,803.62	36.01	35.09	85.05	1,090.38	639.35	2,303.92	2,237.68	66.24	34.782		
7,550.00	7,094.06	6,932.00	6,803.62	36.44	35.09	83.66	1,090.38	639.35	2,318.43	2,251.67	66.76	34.730		
7,601.12	7,095.00	6,910.47	6,787.04	36.93	35.05	81.91	1,091.74	625.69	2,332.98	2,265.82	67.16	34.736		
7,700.00	7,092.92	6,882.38	6,764.88	38.05	34.99	81.37	1,093.65	608.54	2,362.40	2,294.25	68.15	34.664		
7,800.00	7,090.81	6,780.46	6,677.66	39.40	34.72	79.23	1,096.45	556.34	2,394.74	2,326.04	68.70	34.858		
7,900.00	7,088.70	6,750.77	6,650.46	40.93	34.63	78.56	1,095.44	544.50	2,429.04	2,359.16	69.88	34.760		
8,000.00	7,086.59	6,600.00	6,511.46	42.61	34.11	75.14	1,086.89	486.77	2,466.07	2,396.02	70.05	35.207		
8,100.00	7,084.49	6,600.00	6,511.46	44.41	34.11	75.14	1,086.89	486.77	2,504.76	2,433.18	71.58	34.992		
8,200.00	7,082.38	6,600.00	6,511.46	46.33	34.11	75.14	1,086.89	486.77	2,546.80	2,473.69	73.11	34.833		
8,300.00	7,080.27	6,600.00	6,511.46	48.34	34.11	75.14	1,086.89	486.77	2,592.02	2,517.39	74.63	34.733		
8,400.00	7,078.16	6,600.00	6,511.46	50.43	34.11	75.14	1,086.89	486.77	2,640.25	2,564.14	76.11	34.692		
8,500.00	7,076.05	6,600.00	6,511.46	52.59	34.11	75.14	1,086.89	486.77	2,691.33	2,613.79	77.54	34.708		
8,600.00	7,073.94	6,600.00	6,511.46	54.82	34.11	75.14	1,086.89	486.77	2,745.11	2,666.18	78.93	34.779		
8,700.00	7,071.84	6,556.45	6,470.73	57.10	33.95	74.16	1,084.10	471.67	2,799.10	2,719.15	79.96	35.008		
8,800.00	7,069.73	6,552.04	6,466.52	59.44	33.94	74.05	1,083.88	470.41	2,857.27	2,776.06	81.21	35.182		
8,900.00	7,067.62	6,547.95	6,462.59	61.81	33.92	73.96	1,083.69	469.28	2,917.66	2,835.24	82.42	35.401		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,065.51	6,505.00	6,420.68	64.23	33.77	72.96	1,082.30	460.11	2,982.11	2,898.82	83.29	35.804		
9,100.00	7,063.40	6,505.00	6,420.68	66.68	33.77	72.96	1,082.30	460.11	3,046.24	2,961.82	84.42	36.086		
9,200.00	7,061.29	6,505.00	6,420.68	69.15	33.77	72.96	1,082.30	460.11	3,112.27	3,026.78	85.48	36.409		
9,300.00	7,059.18	6,505.00	6,420.68	71.66	33.77	72.96	1,082.30	460.11	3,180.07	3,093.58	86.49	36.768		
9,400.00	7,057.08	6,505.00	6,420.68	74.19	33.77	72.96	1,082.30	460.11	3,249.53	3,162.09	87.44	37.162		
9,500.00	7,054.97	6,505.00	6,420.68	76.75	33.77	72.96	1,082.30	460.11	3,320.55	3,232.21	88.34	37.588		
9,600.00	7,052.86	6,505.00	6,420.68	79.32	33.77	72.96	1,082.30	460.11	3,393.03	3,303.85	89.19	38.044		
9,700.00	7,050.75	6,505.00	6,420.68	81.91	33.77	72.96	1,082.30	460.11	3,466.89	3,376.90	89.99	38.527		
9,800.00	7,048.64	6,505.00	6,420.68	84.52	33.77	72.96	1,082.30	460.11	3,542.02	3,451.28	90.74	39.035		
9,900.00	7,046.53	6,505.00	6,420.68	87.14	33.77	72.96	1,082.30	460.11	3,618.36	3,526.91	91.45	39.567		
10,000.00	7,044.43	6,505.00	6,420.68	89.78	33.77	72.96	1,082.30	460.11	3,695.83	3,603.71	92.12	40.120		
10,100.00	7,042.32	6,505.00	6,420.68	92.43	33.77	72.96	1,082.30	460.11	3,774.36	3,681.61	92.75	40.694		
10,200.00	7,040.21	6,505.00	6,420.68	95.09	33.77	72.96	1,082.30	460.11	3,853.88	3,760.54	93.34	41.287		
10,300.00	7,038.10	6,505.00	6,420.68	97.76	33.77	72.96	1,082.30	460.11	3,934.34	3,840.44	93.90	41.897		
10,400.00	7,035.99	6,505.00	6,420.68	100.44	33.77	72.96	1,082.30	460.11	4,015.68	3,921.24	94.43	42.523		
10,500.00	7,033.88	6,505.00	6,420.68	103.13	33.77	72.96	1,082.30	460.11	4,097.84	4,002.90	94.93	43.165		
10,600.00	7,031.78	6,505.00	6,420.68	105.82	33.77	72.96	1,082.30	460.11	4,180.78	4,085.37	95.41	43.820		
10,700.00	7,029.67	6,505.00	6,420.68	108.53	33.77	72.96	1,082.30	460.11	4,264.45	4,168.59	95.85	44.489		
10,800.00	7,027.56	6,505.00	6,420.68	111.24	33.77	72.96	1,082.30	460.11	4,348.81	4,252.53	96.28	45.170		
10,900.00	7,025.45	6,505.00	6,420.68	113.96	33.77	72.96	1,082.30	460.11	4,433.82	4,337.14	96.68	45.862		
11,000.00	7,023.34	6,505.00	6,420.68	116.68	33.77	72.96	1,082.30	460.11	4,519.44	4,422.39	97.06	46.565		
11,100.00	7,021.23	6,505.00	6,420.68	119.41	33.77	72.96	1,082.30	460.11	4,605.65	4,508.23	97.42	47.278		
11,200.00	7,019.13	6,505.00	6,420.68	122.15	33.77	72.96	1,082.30	460.11	4,692.40	4,594.64	97.76	48.000		
11,300.00	7,017.02	6,505.00	6,420.68	124.89	33.77	72.96	1,082.30	460.11	4,779.67	4,681.59	98.08	48.731		
11,400.00	7,014.91	6,505.00	6,420.68	127.63	33.77	72.96	1,082.30	460.11	4,867.43	4,769.04	98.39	49.470		
11,500.00	7,012.80	6,505.00	6,420.68	130.38	33.77	72.96	1,082.30	460.11	4,955.65	4,856.97	98.69	50.216		
11,600.00	7,010.69	6,505.00	6,420.68	133.14	33.77	72.96	1,082.30	460.11	5,044.31	4,945.35	98.97	50.970		
11,700.00	7,008.58	6,505.00	6,420.68	135.89	33.77	72.96	1,082.30	460.11	5,133.39	5,034.16	99.23	51.731		
11,800.00	7,006.47	6,505.00	6,420.68	138.65	33.77	72.96	1,082.30	460.11	5,222.87	5,123.38	99.49	52.498		
11,900.00	7,004.37	6,505.00	6,420.68	141.42	33.77	72.96	1,082.30	460.11	5,312.72	5,212.99	99.73	53.271		
12,000.00	7,002.26	6,505.00	6,420.68	144.19	33.77	72.96	1,082.30	460.11	5,402.92	5,302.96	99.96	54.049		
12,100.00	7,000.15	6,505.00	6,420.68	146.96	33.77	72.96	1,082.30	460.11	5,493.47	5,393.28	100.19	54.832		
12,200.00	6,998.04	6,505.00	6,420.68	149.73	33.77	72.96	1,082.30	460.11	5,584.34	5,483.94	100.40	55.621		
12,300.00	6,995.93	6,505.00	6,420.68	152.51	33.77	72.96	1,082.30	460.11	5,675.51	5,574.91	100.60	56.414		
12,400.00	6,993.82	6,505.00	6,420.68	155.28	33.77	72.96	1,082.30	460.11	5,766.98	5,666.18	100.80	57.212		
12,500.00	6,991.72	6,505.00	6,420.68	158.06	33.77	72.96	1,082.30	460.11	5,858.73	5,757.74	100.99	58.013		
12,600.00	6,989.61	6,505.00	6,420.68	160.85	33.77	72.96	1,082.30	460.11	5,950.74	5,849.57	101.17	58.819		
12,700.00	6,987.50	6,505.00	6,420.68	163.63	33.77	72.96	1,082.30	460.11	6,043.01	5,941.66	101.35	59.628		
12,800.00	6,985.39	6,505.00	6,420.68	166.42	33.77	72.96	1,082.30	460.11	6,135.52	6,034.00	101.51	60.440		
12,900.00	6,983.28	6,462.81	6,378.85	169.21	33.63	71.97	1,081.66	454.71	6,226.91	6,125.36	101.55	61.319		
13,000.00	6,981.17	6,461.56	6,377.60	172.00	33.62	71.94	1,081.65	454.58	6,319.79	6,218.09	101.70	62.139		
13,100.00	6,979.07	6,460.33	6,376.38	174.79	33.62	71.91	1,081.63	454.46	6,412.88	6,311.03	101.85	62.962		
13,200.00	6,976.96	6,459.14	6,375.20	177.59	33.61	71.89	1,081.62	454.35	6,506.18	6,404.18	102.00	63.788		
13,300.00	6,974.85	6,457.99	6,374.05	180.38	33.61	71.86	1,081.61	454.24	6,599.67	6,497.53	102.14	64.616		
13,400.00	6,972.74	6,456.86	6,372.93	183.18	33.61	71.83	1,081.60	454.14	6,693.35	6,591.07	102.27	65.446		
13,500.00	6,970.63	6,455.77	6,371.84	185.98	33.60	71.81	1,081.59	454.04	6,787.20	6,684.80	102.40	66.279		
13,600.00	6,968.52	6,454.71	6,370.78	188.78	33.60	71.78	1,081.58	453.95	6,881.23	6,778.69	102.53	67.113		
13,700.00	6,966.41	6,453.67	6,369.75	191.58	33.60	71.76	1,081.57	453.86	6,975.42	6,872.76	102.66	67.950		
13,800.00	6,964.31	6,452.66	6,368.74	194.39	33.59	71.73	1,081.56	453.77	7,069.77	6,966.99	102.78	68.788		
13,900.00	6,962.20	6,410.00	6,326.15	197.19	33.45	70.74	1,081.33	451.40	7,165.57	7,062.81	102.77	69.727		
14,000.00	6,960.09	6,410.00	6,326.15	200.00	33.45	70.74	1,081.33	451.40	7,260.16	7,157.28	102.89	70.566		
14,100.00	6,957.98	6,410.00	6,326.15	202.80	33.45	70.74	1,081.33	451.40	7,354.89	7,251.89	103.00	71.406		

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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		Highside Toolface (°)	Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)		
14,200.00	6,955.87	6,410.00	6,326.15	205.61	33.45	70.74	1,081.33	451.40	7,449.76	7,346.64	103.11	72.248	
14,300.00	6,953.76	6,410.00	6,326.15	208.42	33.45	70.74	1,081.33	451.40	7,544.76	7,441.53	103.22	73.092	
14,400.00	6,951.66	6,410.00	6,326.15	211.23	33.45	70.74	1,081.33	451.40	7,639.88	7,536.55	103.33	73.936	
14,500.00	6,949.55	6,410.00	6,326.15	214.04	33.45	70.74	1,081.33	451.40	7,735.14	7,631.70	103.44	74.782	
14,600.00	6,947.44	6,410.00	6,326.15	216.85	33.45	70.74	1,081.33	451.40	7,830.50	7,726.97	103.54	75.629	
14,700.00	6,945.33	6,410.00	6,326.15	219.66	33.45	70.74	1,081.33	451.40	7,925.99	7,822.35	103.64	76.476	
14,800.00	6,943.22	6,410.00	6,326.15	222.48	33.45	70.74	1,081.33	451.40	8,021.58	7,917.84	103.74	77.325	
14,900.00	6,941.11	6,410.00	6,326.15	225.29	33.45	70.74	1,081.33	451.40	8,117.28	8,013.44	103.84	78.175	
15,000.00	6,939.01	6,410.00	6,326.15	228.11	33.45	70.74	1,081.33	451.40	8,213.08	8,109.15	103.93	79.025	
15,100.00	6,936.90	6,410.00	6,326.15	230.92	33.45	70.74	1,081.33	451.40	8,308.98	8,204.96	104.02	79.876	
15,200.00	6,934.79	6,410.00	6,326.15	233.74	33.45	70.74	1,081.33	451.40	8,404.98	8,300.86	104.12	80.727	
15,300.00	6,932.68	6,410.00	6,326.15	236.56	33.45	70.74	1,081.33	451.40	8,501.07	8,396.86	104.21	81.579	
15,400.00	6,930.57	6,410.00	6,326.15	239.37	33.45	70.74	1,081.33	451.40	8,597.24	8,492.95	104.29	82.432	
15,500.00	6,928.46	6,410.00	6,326.15	242.19	33.45	70.74	1,081.33	451.40	8,693.51	8,589.13	104.38	83.285	
15,521.99	6,928.00	6,410.00	6,326.15	242.81	33.45	70.74	1,081.33	451.40	8,714.68	8,610.28	104.40	83.473	

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	76.25	128.61	525.57	541.12					
100.00	100.00	93.73	93.73	3.28	3.29	76.26	128.48	525.54	541.01	534.44	6.57	82.332		
200.00	200.00	195.54	195.54	3.34	3.32	76.31	128.01	525.40	540.78	534.13	6.65	81.265		
300.00	299.98	299.47	299.46	3.44	3.42	-70.46	127.14	524.70	539.34	532.48	6.86	78.662		
400.00	399.84	398.63	398.62	3.59	3.56	-71.00	126.49	523.61	536.39	529.23	7.15	75.003		
500.00	499.45	502.05	502.02	3.79	3.76	-71.96	125.85	522.35	532.26	524.71	7.55	70.488		
600.00	598.70	601.85	601.81	4.04	3.99	-73.30	125.13	520.58	526.69	518.66	8.03	65.620		
700.00	697.47	694.60	694.54	4.32	4.23	-74.98	125.05	519.26	520.97	512.42	8.55	60.930		
773.50	769.68	768.12	768.06	4.55	4.44	-76.60	125.50	518.44	516.91	507.92	8.99	57.493		
800.00	795.65	794.75	794.68	4.64	4.52	-77.21	125.71	518.05	515.40	506.24	9.16	56.279		
900.00	893.65	888.00	887.91	5.00	4.80	-79.45	127.30	516.70	510.56	500.76	9.80	52.124		
1,000.00	991.65	980.70	980.55	5.38	5.09	-81.88	130.51	515.55	507.54	497.07	10.47	48.477		
1,091.78	1,081.60	1,064.64	1,064.39	5.75	5.37	-84.18	134.54	514.86	506.59	495.48	11.11	45.579 CC		
1,100.00	1,089.66	1,072.15	1,071.88	5.78	5.40	-84.39	134.94	514.83	506.60	495.43	11.17	45.339 ES		
1,200.00	1,187.66	1,162.68	1,162.26	6.20	5.70	-86.92	140.21	514.84	507.99	496.09	11.90	42.687		
1,300.00	1,285.66	1,260.93	1,260.31	6.63	6.06	-89.71	146.63	515.09	511.15	498.47	12.68	40.318		
1,400.00	1,383.67	1,352.96	1,352.08	7.07	6.40	-92.39	153.47	514.66	515.52	502.07	13.45	38.325		
1,500.00	1,481.67	1,439.82	1,438.41	7.51	6.74	-95.16	162.92	513.71	522.82	508.61	14.22	36.777		
1,600.00	1,579.67	1,530.97	1,528.65	7.97	7.11	-98.26	175.63	512.07	533.17	518.16	15.01	35.522		
1,700.00	1,677.67	1,629.66	1,626.23	8.43	7.52	-101.62	190.14	509.20	545.10	529.25	15.85	34.382		
1,800.00	1,775.68	1,730.17	1,725.63	8.90	7.96	-104.94	204.44	505.20	557.82	541.10	16.72	33.366		
1,900.00	1,873.68	1,829.51	1,823.94	9.37	8.40	-108.09	217.88	500.44	571.27	553.69	17.58	32.492		
2,000.00	1,971.68	1,915.94	1,909.56	9.84	8.79	-110.65	229.11	496.78	586.23	567.86	18.36	31.923		
2,100.00	2,069.69	2,008.67	2,001.34	10.32	9.21	-113.21	242.11	494.23	604.12	584.94	19.18	31.494		
2,200.00	2,167.69	2,109.90	2,101.66	10.80	9.68	-115.81	255.27	491.32	622.36	602.30	20.06	31.027		
2,300.00	2,265.69	2,210.65	2,201.66	11.28	10.14	-118.21	267.32	488.40	640.82	619.89	20.93	30.614		
2,400.00	2,363.69	2,298.60	2,288.94	11.77	10.55	-120.21	277.74	485.65	660.07	638.36	21.71	30.398		
2,500.00	2,461.70	2,379.32	2,368.79	12.25	10.94	-122.05	289.08	482.59	681.93	659.49	22.43	30.399		
2,600.00	2,559.70	2,473.28	2,461.56	12.74	11.40	-124.07	303.72	479.62	706.25	683.00	23.26	30.368		
2,700.00	2,657.70	2,561.78	2,549.02	13.23	11.83	-125.88	316.81	476.34	730.58	706.55	24.03	30.400		
2,800.00	2,755.71	2,639.71	2,625.81	13.72	12.22	-127.34	329.99	474.56	757.88	733.17	24.71	30.677		
2,900.00	2,853.71	2,734.05	2,718.61	14.21	12.71	-129.04	346.80	471.99	786.60	761.07	25.53	30.807		
3,000.00	2,951.71	2,830.02	2,813.04	14.70	13.20	-130.71	363.53	468.58	815.40	789.02	26.38	30.912		
3,100.00	3,049.71	2,919.16	2,900.83	15.20	13.66	-132.01	378.98	467.46	845.13	817.97	27.16	31.120		
3,200.00	3,147.72	3,017.58	2,997.78	15.69	14.17	-133.33	395.88	466.55	875.22	847.19	28.03	31.226		
3,300.00	3,245.72	3,120.76	3,099.52	16.19	14.70	-134.68	412.88	464.50	904.85	875.90	28.95	31.257		
3,400.00	3,343.72	3,222.95	3,200.41	16.69	15.23	-135.98	428.86	461.59	933.93	904.07	29.86	31.278		
3,500.00	3,441.73	3,318.60	3,294.91	17.18	15.72	-137.16	443.27	458.15	962.75	932.04	30.71	31.354		
3,600.00	3,539.73	3,414.21	3,389.40	17.68	16.21	-138.20	457.67	455.78	992.03	960.48	31.56	31.437		
3,700.00	3,637.73	3,503.66	3,477.82	18.18	16.67	-139.15	470.89	453.04	1,021.30	988.96	32.35	31.574		
3,800.00	3,735.73	3,588.07	3,561.14	18.68	17.11	-139.93	484.34	451.91	1,052.03	1,018.94	33.09	31.793		
3,900.00	3,833.74	3,687.67	3,659.49	19.18	17.62	-140.81	500.01	450.30	1,082.77	1,048.79	33.98	31.861		
4,000.00	3,931.74	3,777.88	3,748.55	19.67	18.09	-141.60	514.24	448.13	1,113.72	1,078.93	34.79	32.015		
4,100.00	4,029.74	3,866.58	3,836.01	20.17	18.56	-142.38	528.69	445.22	1,145.33	1,109.76	35.58	32.194		
4,200.00	4,127.75	3,961.69	3,929.75	20.67	19.07	-143.22	544.33	441.28	1,177.28	1,140.85	36.43	32.314		
4,300.00	4,225.75	4,064.64	4,031.24	21.18	19.62	-144.10	560.87	436.54	1,209.08	1,171.71	37.37	32.357		
4,400.00	4,323.75	4,177.96	4,143.20	21.68	20.21	-145.01	577.59	431.32	1,239.84	1,201.44	38.40	32.289		
4,500.00	4,421.76	4,286.25	4,250.39	22.18	20.76	-145.85	592.07	425.92	1,269.47	1,230.10	39.38	32.240		
4,600.00	4,519.76	4,380.60	4,343.86	22.68	21.24	-146.54	604.11	421.51	1,298.70	1,258.48	40.22	32.288		
4,700.00	4,617.76	4,519.17	4,481.42	23.18	21.92	-147.34	620.46	418.53	1,327.32	1,285.87	41.45	32.020		
4,800.00	4,715.76	4,644.81	4,606.57	23.68	22.50	-147.98	631.41	417.08	1,352.86	1,310.32	42.54	31.802		
4,900.00	4,813.77	4,800.97	4,762.46	24.18	23.17	-148.77	640.08	414.70	1,375.55	1,331.75	43.80	31.405		

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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,911.77	4,937.75	4,899.21	24.69	23.71	-149.43	641.57	412.78	1,393.62	1,348.75	44.87	31.059		
5,100.00	5,009.77	5,030.74	4,992.19	25.19	24.07	-149.87	642.09	411.58	1,411.49	1,365.79	45.70	30.885		
5,200.00	5,107.78	5,130.91	5,092.35	25.69	24.45	-150.33	642.73	410.13	1,429.55	1,382.97	46.57	30.695		
5,300.00	5,205.78	5,229.48	5,190.90	26.19	24.84	-150.80	643.06	408.29	1,447.43	1,399.99	47.43	30.515		
5,400.00	5,303.78	5,331.92	5,293.31	26.70	25.23	-151.27	643.40	406.23	1,465.41	1,417.09	48.31	30.331		
5,500.00	5,401.78	5,428.70	5,390.08	27.20	25.61	-151.71	643.38	404.38	1,483.12	1,433.95	49.17	30.166		
5,600.00	5,499.79	5,513.16	5,474.52	27.70	25.94	-152.08	643.79	402.78	1,501.41	1,451.46	49.95	30.056		
5,700.00	5,597.79	5,612.30	5,573.64	28.21	26.33	-152.47	645.14	401.51	1,520.56	1,469.74	50.82	29.919		
5,800.00	5,695.79	5,704.64	5,665.96	28.71	26.70	-152.74	646.23	402.81	1,539.31	1,487.66	51.65	29.802		
5,900.00	5,793.80	5,787.31	5,748.57	29.22	27.03	-152.93	648.19	405.20	1,559.06	1,506.64	52.42	29.742		
6,000.00	5,891.80	5,919.70	5,880.90	29.72	27.56	-153.28	651.15	407.36	1,579.09	1,525.60	53.49	29.524		
6,100.00	5,989.80	6,013.37	5,974.57	30.22	27.92	-153.61	651.16	406.54	1,597.08	1,542.76	54.32	29.400		
6,200.00	6,087.80	6,099.15	6,060.34	30.73	28.27	-153.92	651.79	405.45	1,615.87	1,560.75	55.12	29.316		
6,300.00	6,185.81	6,250.09	6,211.24	31.23	28.85	-154.43	650.55	404.61	1,632.92	1,576.66	56.26	29.026		
6,400.00	6,283.81	6,315.00	6,276.14	31.74	29.09	-154.58	650.14	405.99	1,650.00	1,593.06	56.94	28.980		
6,500.00	6,381.81	6,445.86	6,406.18	32.24	29.57	-154.50	650.94	419.42	1,667.16	1,609.19	57.97	28.759		
6,520.79	6,402.19	6,473.39	6,433.07	32.35	29.67	-154.38	651.22	425.31	1,670.47	1,612.29	58.19	28.710		
6,550.00	6,430.87	6,524.24	6,481.92	32.49	29.85	-166.78	651.84	439.35	1,674.92	1,616.37	58.54	28.609		
6,600.00	6,480.12	6,626.05	6,576.90	32.72	30.17	168.57	651.23	475.87	1,680.59	1,621.39	59.20	28.387		
6,650.00	6,529.30	6,666.12	6,612.97	32.93	30.28	145.66	650.98	493.30	1,685.96	1,626.36	59.61	28.285		
6,700.00	6,578.09	6,711.48	6,652.68	33.12	30.41	130.17	651.03	515.22	1,691.52	1,631.49	60.03	28.178		
6,750.00	6,626.21	6,780.60	6,710.15	33.30	30.60	121.26	650.67	553.55	1,696.90	1,636.32	60.58	28.011		
6,800.00	6,673.34	6,814.87	6,737.14	33.46	30.69	115.13	650.25	574.67	1,702.53	1,641.55	60.98	27.919		
6,850.00	6,719.21	6,838.63	6,755.28	33.61	30.75	110.77	649.99	590.00	1,709.02	1,647.70	61.32	27.869		
6,900.00	6,763.53	6,856.56	6,768.66	33.75	30.79	107.46	649.80	601.94	1,716.51	1,654.89	61.62	27.859 SF		
6,950.00	6,806.03	6,869.36	6,778.04	33.89	30.82	104.73	649.68	610.65	1,725.08	1,663.22	61.86	27.886		
7,000.00	6,846.44	6,877.68	6,784.06	34.02	30.85	102.33	649.60	616.39	1,734.78	1,672.71	62.07	27.950		
7,050.00	6,884.52	6,882.11	6,787.24	34.15	30.86	100.09	649.57	619.48	1,745.59	1,683.35	62.24	28.047		
7,100.00	6,920.03	6,885.00	6,789.30	34.27	30.87	97.99	649.54	621.50	1,757.44	1,695.04	62.40	28.163		
7,150.00	6,952.75	6,885.00	6,789.30	34.40	30.87	95.92	649.54	621.50	1,770.27	1,707.71	62.56	28.299		
7,200.00	6,982.48	6,885.00	6,789.30	34.54	30.87	93.95	649.54	621.50	1,783.97	1,721.24	62.73	28.438		
7,250.00	7,009.04	6,870.48	6,778.85	34.70	30.83	91.57	649.67	611.42	1,798.35	1,735.55	62.80	28.635		
7,300.00	7,032.26	6,862.06	6,772.71	34.87	30.81	89.45	649.75	605.66	1,813.35	1,750.38	62.97	28.799		
7,350.00	7,052.00	6,852.00	6,765.28	35.08	30.78	87.35	649.85	598.88	1,828.77	1,765.62	63.15	28.957		
7,400.00	7,068.14	6,840.50	6,756.69	35.34	30.75	85.29	649.97	591.24	1,844.48	1,781.11	63.37	29.105		
7,450.00	7,080.57	6,827.75	6,747.03	35.65	30.72	83.27	650.10	582.91	1,860.32	1,796.69	63.62	29.239		
7,500.00	7,089.23	6,813.90	6,736.38	36.01	30.69	81.32	650.26	574.05	1,876.12	1,812.21	63.91	29.357		
7,550.00	7,094.06	6,790.00	6,717.65	36.44	30.63	79.23	650.55	559.22	1,891.77	1,827.65	64.13	29.501		
7,601.12	7,095.00	6,790.00	6,717.65	36.93	30.63	77.85	650.55	559.22	1,907.38	1,842.70	64.68	29.491		
7,700.00	7,092.92	6,748.30	6,683.79	38.05	30.51	76.83	650.94	534.89	1,938.86	1,873.47	65.39	29.649		
7,800.00	7,090.81	6,718.47	6,658.67	39.40	30.43	76.08	651.03	518.82	1,974.34	1,908.01	66.33	29.765		
7,900.00	7,088.70	6,695.00	6,638.41	40.93	30.37	75.48	651.00	506.97	2,013.41	1,946.02	67.39	29.878		
8,000.00	7,086.59	6,695.00	6,638.41	42.61	30.37	75.48	651.00	506.97	2,056.35	1,987.66	68.69	29.935		
8,100.00	7,084.49	6,655.46	6,603.46	44.41	30.25	74.44	651.02	488.49	2,102.17	2,032.55	69.61	30.198		
8,200.00	7,082.38	6,639.01	6,588.66	46.33	30.20	74.01	651.11	481.31	2,151.57	2,080.83	70.74	30.416		
8,300.00	7,080.27	6,600.00	6,553.00	48.34	30.09	72.97	651.56	465.52	2,204.46	2,132.83	71.63	30.776		
8,400.00	7,078.16	6,600.00	6,553.00	50.43	30.09	72.97	651.56	465.52	2,259.59	2,186.76	72.84	31.022		
8,500.00	7,076.05	6,600.00	6,553.00	52.59	30.09	72.97	651.56	465.52	2,317.73	2,243.75	73.98	31.327		
8,600.00	7,073.94	6,575.28	6,530.04	54.82	30.01	72.31	651.85	456.36	2,378.39	2,303.52	74.87	31.767		
8,700.00	7,071.84	6,557.63	6,513.50	57.10	29.95	71.83	651.93	450.19	2,441.36	2,365.60	75.76	32.224		
8,800.00	7,069.73	6,541.52	6,498.31	59.44	29.90	71.40	651.93	444.82	2,506.50	2,429.89	76.61	32.717		
8,900.00	7,067.62	6,505.00	6,463.56	61.81	29.78	70.40	651.62	433.61	2,573.89	2,496.63	77.25	33.318		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,065.51	6,505.00	6,463.56	64.23	29.78	70.40	651.62	433.61	2,642.77	2,564.65	78.12	33.828		
9,100.00	7,063.40	6,505.00	6,463.56	66.68	29.78	70.40	651.62	433.61	2,713.60	2,634.66	78.93	34.378		
9,200.00	7,061.29	6,505.00	6,463.56	69.15	29.78	70.40	651.62	433.61	2,786.21	2,706.52	79.69	34.964		
9,300.00	7,059.18	6,505.00	6,463.56	71.66	29.78	70.40	651.62	433.61	2,860.47	2,780.09	80.39	35.583		
9,400.00	7,057.08	6,505.00	6,463.56	74.19	29.78	70.40	651.62	433.61	2,936.27	2,855.23	81.04	36.232		
9,500.00	7,054.97	6,505.00	6,463.56	76.75	29.78	70.40	651.62	433.61	3,013.47	2,931.83	81.64	36.910		
9,600.00	7,052.86	6,505.00	6,463.56	79.32	29.78	70.40	651.62	433.61	3,091.99	3,009.78	82.21	37.613		
9,700.00	7,050.75	6,505.00	6,463.56	81.91	29.78	70.40	651.62	433.61	3,171.71	3,088.98	82.73	38.339		
9,800.00	7,048.64	6,465.28	6,425.18	84.52	29.64	69.32	651.13	423.44	3,251.16	3,168.16	83.00	39.171		
9,900.00	7,046.53	6,461.15	6,421.14	87.14	29.63	69.21	651.09	422.53	3,332.73	3,249.30	83.44	39.943		
10,000.00	7,044.43	6,457.24	6,417.32	89.78	29.61	69.10	651.05	421.70	3,415.26	3,331.41	83.85	40.731		
10,100.00	7,042.32	6,453.54	6,413.70	92.43	29.60	69.00	651.01	420.94	3,498.67	3,414.44	84.23	41.536		
10,200.00	7,040.21	6,450.03	6,410.26	95.09	29.59	68.90	650.98	420.23	3,582.91	3,498.31	84.59	42.355		
10,300.00	7,038.10	6,410.00	6,370.79	97.76	29.45	67.81	650.68	413.66	3,669.12	3,584.38	84.73	43.301		
10,400.00	7,035.99	6,410.00	6,370.79	100.44	29.45	67.81	650.68	413.66	3,754.65	3,669.58	85.07	44.134		
10,500.00	7,033.88	6,410.00	6,370.79	103.13	29.45	67.81	650.68	413.66	3,840.88	3,755.49	85.39	44.980		
10,600.00	7,031.78	6,410.00	6,370.79	105.82	29.45	67.81	650.68	413.66	3,927.77	3,842.08	85.69	45.838		
10,700.00	7,029.67	6,410.00	6,370.79	108.53	29.45	67.81	650.68	413.66	4,015.26	3,929.29	85.97	46.707		
10,800.00	7,027.56	6,410.00	6,370.79	111.24	29.45	67.81	650.68	413.66	4,103.33	4,017.10	86.23	47.586		
10,900.00	7,025.45	6,410.00	6,370.79	113.96	29.45	67.81	650.68	413.66	4,191.93	4,105.45	86.48	48.475		
11,000.00	7,023.34	6,410.00	6,370.79	116.68	29.45	67.81	650.68	413.66	4,281.03	4,194.32	86.71	49.372		
11,100.00	7,021.23	6,410.00	6,370.79	119.41	29.45	67.81	650.68	413.66	4,370.61	4,283.68	86.93	50.278		
11,200.00	7,019.13	6,410.00	6,370.79	122.15	29.45	67.81	650.68	413.66	4,460.63	4,373.49	87.14	51.191		
11,300.00	7,017.02	6,410.00	6,370.79	124.89	29.45	67.81	650.68	413.66	4,551.06	4,463.73	87.33	52.111		
11,400.00	7,014.91	6,410.00	6,370.79	127.63	29.45	67.81	650.68	413.66	4,641.89	4,554.37	87.52	53.037		
11,500.00	7,012.80	6,410.00	6,370.79	130.38	29.45	67.81	650.68	413.66	4,733.09	4,645.39	87.70	53.969		
11,600.00	7,010.69	6,410.00	6,370.79	133.14	29.45	67.81	650.68	413.66	4,824.63	4,736.76	87.87	54.908		
11,700.00	7,008.58	6,410.00	6,370.79	135.89	29.45	67.81	650.68	413.66	4,916.51	4,828.48	88.03	55.851		
11,800.00	7,006.47	6,410.00	6,370.79	138.65	29.45	67.81	650.68	413.66	5,008.69	4,920.51	88.18	56.799		
11,900.00	7,004.37	6,410.00	6,370.79	141.42	29.45	67.81	650.68	413.66	5,101.17	5,012.85	88.33	57.752		
12,000.00	7,002.26	6,410.00	6,370.79	144.19	29.45	67.81	650.68	413.66	5,193.93	5,105.46	88.47	58.708		
12,100.00	7,000.15	6,410.00	6,370.79	146.96	29.45	67.81	650.68	413.66	5,286.96	5,198.35	88.60	59.669		
12,200.00	6,998.04	6,410.00	6,370.79	149.73	29.45	67.81	650.68	413.66	5,380.23	5,291.50	88.73	60.634		
12,300.00	6,995.93	6,410.00	6,370.79	152.51	29.45	67.81	650.68	413.66	5,473.74	5,384.89	88.86	61.601		
12,400.00	6,993.82	6,410.00	6,370.79	155.28	29.45	67.81	650.68	413.66	5,567.48	5,478.50	88.98	62.572		
12,500.00	6,991.72	6,410.00	6,370.79	158.06	29.45	67.81	650.68	413.66	5,661.43	5,572.34	89.09	63.546		
12,600.00	6,989.61	6,410.00	6,370.79	160.85	29.45	67.81	650.68	413.66	5,755.59	5,666.38	89.20	64.522		
12,700.00	6,987.50	6,410.00	6,370.79	163.63	29.45	67.81	650.68	413.66	5,849.94	5,760.63	89.31	65.501		
12,800.00	6,985.39	6,410.00	6,370.79	166.42	29.45	67.81	650.68	413.66	5,944.47	5,855.06	89.41	66.482		
12,900.00	6,983.28	6,410.00	6,370.79	169.21	29.45	67.81	650.68	413.66	6,039.18	5,949.67	89.51	67.466		
13,000.00	6,981.17	6,410.00	6,370.79	172.00	29.45	67.81	650.68	413.66	6,134.06	6,044.45	89.61	68.451		
13,100.00	6,979.07	6,410.00	6,370.79	174.79	29.45	67.81	650.68	413.66	6,229.10	6,139.39	89.71	69.438		
13,200.00	6,976.96	6,410.00	6,370.79	177.59	29.45	67.81	650.68	413.66	6,324.29	6,234.49	89.80	70.426		
13,300.00	6,974.85	6,410.00	6,370.79	180.38	29.45	67.81	650.68	413.66	6,419.63	6,329.74	89.89	71.416		
13,400.00	6,972.74	6,410.00	6,370.79	183.18	29.45	67.81	650.68	413.66	6,515.10	6,425.13	89.98	72.408		
13,500.00	6,970.63	6,410.00	6,370.79	185.98	29.45	67.81	650.68	413.66	6,610.71	6,520.65	90.06	73.400		
13,600.00	6,968.52	6,410.00	6,370.79	188.78	29.45	67.81	650.68	413.66	6,706.45	6,616.31	90.15	74.394		
13,700.00	6,966.41	6,410.00	6,370.79	191.58	29.45	67.81	650.68	413.66	6,802.31	6,712.09	90.23	75.389		
13,800.00	6,964.31	6,410.00	6,370.79	194.39	29.45	67.81	650.68	413.66	6,898.29	6,807.98	90.31	76.384		
13,900.00	6,962.20	6,410.00	6,370.79	197.19	29.45	67.81	650.68	413.66	6,994.39	6,904.00	90.39	77.381		
14,000.00	6,960.09	6,410.00	6,370.79	200.00	29.45	67.81	650.68	413.66	7,090.59	7,000.12	90.47	78.378		
14,100.00	6,957.98	6,410.00	6,370.79	202.80	29.45	67.81	650.68	413.66	7,186.89	7,096.35	90.54	79.375		

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

Offset Design											Boomerang 21-5 - SRC Wiedeman #21-5-3NBHZ - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 165-MWD													Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
14,200.00	6,955.87	6,368.22	6,329.26	205.61	29.29	66.67	650.44	409.12	7,282.29	7,191.79	90.50	80.470			
14,300.00	6,953.76	6,366.95	6,328.00	208.42	29.29	66.64	650.43	409.02	7,378.73	7,288.16	90.57	81.471			
14,400.00	6,951.66	6,365.71	6,326.76	211.23	29.28	66.60	650.43	408.91	7,475.26	7,384.62	90.64	82.473			
14,500.00	6,949.55	6,364.50	6,325.55	214.04	29.28	66.57	650.42	408.81	7,571.87	7,481.17	90.71	83.475			
14,600.00	6,947.44	6,363.32	6,324.38	216.85	29.27	66.54	650.41	408.71	7,668.58	7,577.80	90.78	84.477			
14,700.00	6,945.33	6,362.16	6,323.23	219.66	29.27	66.51	650.41	408.62	7,765.36	7,674.52	90.85	85.479			
14,800.00	6,943.22	6,361.04	6,322.10	222.48	29.26	66.48	650.40	408.53	7,862.23	7,771.31	90.91	86.481			
14,900.00	6,941.11	6,359.94	6,321.00	225.29	29.26	66.45	650.39	408.44	7,959.17	7,868.19	90.98	87.484			
15,000.00	6,939.01	6,358.86	6,319.93	228.11	29.25	66.42	650.39	408.36	8,056.18	7,965.14	91.05	88.486			
15,100.00	6,936.90	6,357.81	6,318.88	230.92	29.25	66.39	650.38	408.28	8,153.26	8,062.15	91.11	89.487			
15,200.00	6,934.79	6,356.78	6,317.85	233.74	29.25	66.36	650.37	408.20	8,250.42	8,159.24	91.18	90.489			
15,300.00	6,932.68	6,315.00	6,276.14	236.56	29.09	65.25	650.14	405.99	8,348.59	8,257.46	91.12	91.621			
15,400.00	6,930.57	6,315.00	6,276.14	239.37	29.09	65.25	650.14	405.99	8,445.82	8,354.63	91.19	92.619			
15,500.00	6,928.46	6,315.00	6,276.14	242.19	29.09	65.25	650.14	405.99	8,543.12	8,451.87	91.26	93.616			
15,521.99	6,928.00	6,315.00	6,276.14	242.81	29.09	65.25	650.14	405.99	8,564.52	8,473.25	91.27	93.836			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	85.69	38.99	516.94	518.46					
100.00	100.00	101.58	101.58	3.28	3.30	85.73	38.54	515.95	517.46	510.87	6.59	78.560		
200.00	200.00	206.53	206.49	3.34	3.38	85.84	37.37	513.76	515.29	508.57	6.72	76.633		
300.00	299.98	306.12	306.04	3.44	3.52	-60.84	35.60	511.17	511.72	504.76	6.96	73.529		
400.00	399.84	398.90	398.76	3.59	3.68	-61.11	32.87	509.53	507.20	499.93	7.27	69.744		
500.00	499.45	493.47	493.25	3.79	3.89	-61.59	29.13	509.30	502.45	494.77	7.68	65.454		
600.00	598.70	592.94	592.58	4.04	4.14	-62.33	23.96	509.70	496.62	488.44	8.17	60.762		
700.00	697.47	708.93	708.24	4.32	4.49	-63.39	15.31	508.68	487.81	479.01	8.81	55.398		
773.50	769.68	797.24	796.01	4.55	4.78	-64.34	6.41	504.98	477.76	468.42	9.34	51.135		
800.00	795.65	823.96	822.49	4.64	4.88	-64.56	3.13	503.45	473.54	464.01	9.53	49.709		
900.00	893.65	921.65	919.10	5.00	5.26	-65.17	-10.34	498.24	457.84	447.60	10.24	44.728		
1,000.00	991.65	1,022.89	1,018.87	5.38	5.68	-65.54	-26.71	492.98	441.99	430.97	11.02	40.118		
1,100.00	1,089.66	1,121.94	1,116.31	5.78	6.13	-65.83	-43.54	487.28	425.48	413.64	11.84	35.950		
1,200.00	1,187.66	1,215.06	1,207.88	6.20	6.57	-66.02	-59.88	482.88	409.90	397.23	12.67	32.364		
1,300.00	1,285.66	1,312.22	1,303.28	6.63	7.05	-66.07	-77.93	479.21	395.10	381.55	13.55	29.159		
1,400.00	1,383.67	1,404.06	1,393.50	7.07	7.51	-66.12	-94.89	476.92	381.57	367.14	14.44	26.431		
1,500.00	1,481.67	1,500.96	1,489.22	7.51	7.98	-66.60	-109.87	475.31	369.34	354.00	15.34	24.074		
1,600.00	1,579.67	1,603.40	1,590.71	7.97	8.47	-67.53	-123.52	472.80	356.73	340.47	16.26	21.937		
1,700.00	1,677.67	1,705.46	1,691.89	8.43	8.96	-68.60	-136.64	470.03	344.08	326.90	17.19	20.022		
1,800.00	1,775.68	1,810.50	1,795.71	8.90	9.49	-69.68	-151.44	464.25	328.50	310.38	18.12	18.125		
1,900.00	1,873.68	1,908.20	1,892.30	9.37	9.99	-70.68	-165.53	460.07	314.20	295.14	19.06	16.486		
2,000.00	1,971.68	2,011.44	1,994.04	9.84	10.53	-71.64	-181.88	453.79	297.90	277.89	20.01	14.886		
2,100.00	2,069.69	2,105.75	2,086.81	10.32	11.04	-72.32	-198.15	448.88	282.18	261.20	20.98	13.451		
2,200.00	2,167.69	2,203.08	2,182.67	10.80	11.57	-73.08	-214.60	445.24	268.00	246.05	21.95	12.208		
2,300.00	2,265.69	2,305.09	2,282.76	11.28	12.14	-73.52	-233.88	441.41	253.30	230.35	22.95	11.035		
2,400.00	2,363.69	2,400.47	2,375.92	11.77	12.70	-73.45	-254.05	438.03	238.17	214.19	23.98	9.931		
2,500.00	2,461.70	2,500.89	2,474.22	12.25	13.28	-73.50	-274.43	435.72	224.48	199.47	25.02	8.974		
2,600.00	2,559.70	2,609.05	2,579.82	12.74	13.93	-73.58	-297.15	430.25	207.96	181.96	26.01	7.997		
2,700.00	2,657.70	2,707.69	2,675.84	13.23	14.53	-73.75	-318.35	422.54	188.67	161.64	27.03	6.979		
2,800.00	2,755.71	2,805.57	2,771.22	13.72	15.13	-74.08	-338.99	414.98	169.58	141.52	28.06	6.043		
2,900.00	2,853.71	2,899.69	2,863.46	14.21	15.68	-75.33	-356.38	408.26	151.85	122.76	29.09	5.220		
3,000.00	2,951.71	2,996.79	2,958.98	14.70	16.23	-77.26	-373.04	402.91	136.17	106.12	30.05	4.531		
3,100.00	3,049.71	3,093.07	3,053.93	15.20	16.76	-79.97	-388.41	398.64	122.14	91.15	30.99	3.942		
3,200.00	3,147.72	3,189.08	3,148.96	15.69	17.26	-83.96	-401.72	395.88	110.79	78.96	31.83	3.480		
3,300.00	3,245.72	3,291.12	3,250.04	16.19	17.79	-89.56	-415.24	392.53	100.11	67.57	32.54	3.076		
3,400.00	3,343.72	3,391.88	3,349.47	16.69	18.34	-96.05	-430.70	387.31	87.75	54.57	33.18	2.645		
3,500.00	3,441.73	3,489.86	3,445.98	17.18	18.89	-103.45	-446.92	382.61	76.19	42.40	33.80	2.254		
3,600.00	3,539.73	3,588.27	3,543.02	17.68	19.44	-112.88	-462.81	378.68	67.15	32.85	34.30	1.958		
3,700.00	3,637.73	3,687.49	3,640.91	18.18	19.99	-125.95	-478.26	373.69	60.63	25.89	34.74	1.745		
3,800.00	3,735.73	3,787.28	3,739.09	18.68	20.56	-141.44	-495.22	368.27	56.44	21.00	35.44	1.592		
3,876.05	3,810.27	3,862.75	3,813.17	19.06	20.99	-154.17	-509.01	364.11	55.32	18.97	36.36	1.522 CC		
3,900.00	3,833.74	3,886.49	3,836.46	19.18	21.14	-158.24	-513.47	362.80	55.44	18.72	36.72	1.510 ES, SF		
4,000.00	3,931.74	3,985.42	3,933.38	19.67	21.73	-174.53	-532.57	357.42	58.37	19.89	38.48	1.517		
4,100.00	4,029.74	4,084.04	4,030.02	20.17	22.32	171.91	-551.53	352.28	65.39	25.09	40.30	1.623		
4,200.00	4,127.75	4,182.69	4,126.63	20.67	22.91	161.17	-570.72	346.96	75.34	33.38	41.96	1.795		
4,300.00	4,225.75	4,281.36	4,223.40	21.18	23.50	153.59	-589.36	342.09	87.21	43.80	43.40	2.009		
4,400.00	4,323.75	4,379.78	4,319.47	21.68	24.10	146.55	-609.86	335.91	100.63	55.87	44.76	2.248		
4,500.00	4,421.76	4,477.84	4,415.35	22.18	24.71	141.65	-629.56	330.17	115.04	69.06	45.98	2.502		
4,600.00	4,519.76	4,575.82	4,511.04	22.68	25.31	137.62	-649.53	323.48	130.96	83.82	47.13	2.778		
4,700.00	4,617.76	4,673.80	4,607.12	23.18	25.90	135.18	-667.78	317.33	147.20	98.97	48.23	3.052		
4,800.00	4,715.76	4,770.93	4,702.27	23.68	26.47	133.17	-685.93	310.41	164.47	115.20	49.27	3.338		
4,900.00	4,813.77	4,870.87	4,800.53	24.18	27.06	132.06	-702.86	303.44	182.02	131.64	50.38	3.613		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,911.77	4,971.18	4,898.77	24.69	27.66	130.51	-722.17	297.36	198.41	146.91	51.50	3.852		
5,100.00	5,009.77	5,071.60	4,997.37	25.19	28.25	129.50	-740.48	292.18	214.15	161.54	52.61	4.071		
5,200.00	5,107.78	5,170.75	5,094.81	25.69	28.83	128.75	-758.23	287.70	229.34	175.67	53.67	4.273		
5,300.00	5,205.78	5,269.72	5,192.08	26.19	29.41	128.08	-776.00	283.26	244.53	189.80	54.74	4.467		
5,400.00	5,303.78	5,369.24	5,289.84	26.70	29.99	127.44	-794.06	278.95	259.59	203.78	55.81	4.651		
5,500.00	5,401.78	5,476.22	5,394.98	27.20	30.61	126.84	-813.58	275.94	273.17	216.18	57.00	4.793		
5,600.00	5,499.79	5,574.16	5,491.72	27.70	31.15	126.92	-828.72	274.67	285.47	227.45	58.01	4.921		
5,700.00	5,597.79	5,671.90	5,588.76	28.21	31.63	127.67	-840.32	273.23	298.20	239.22	58.98	5.056		
5,800.00	5,695.79	5,769.79	5,686.29	28.71	32.07	129.01	-848.48	271.74	311.40	251.50	59.90	5.198		
5,900.00	5,793.80	5,868.37	5,782.75	29.22	32.47	130.82	-853.13	270.17	325.32	264.57	60.75	5.355		
6,000.00	5,891.80	5,962.19	5,878.52	29.72	32.83	132.93	-854.95	268.43	340.24	278.72	61.53	5.530		
6,100.00	5,989.80	6,056.95	5,973.26	30.22	33.16	135.07	-855.25	266.10	356.55	294.31	62.24	5.729		
6,200.00	6,087.80	6,155.93	6,072.20	30.73	33.51	137.09	-855.63	263.51	373.46	310.45	63.01	5.927		
6,300.00	6,185.81	6,256.36	6,172.61	31.23	33.84	139.11	-855.11	261.30	390.65	326.87	63.77	6.125		
6,400.00	6,283.81	6,361.98	6,278.23	31.74	34.18	141.16	-854.50	261.46	406.03	341.45	64.58	6.287		
6,500.00	6,381.81	6,459.78	6,376.00	32.24	34.47	143.11	-852.52	261.97	422.02	356.77	65.25	6.468		
6,520.79	6,402.19	6,482.76	6,398.96	32.35	34.54	143.58	-851.91	262.34	425.24	359.82	65.41	6.501		
6,550.00	6,430.87	6,515.10	6,431.29	32.49	34.63	131.77	-851.01	263.14	428.97	363.33	65.64	6.535		
6,600.00	6,480.12	6,578.57	6,494.62	32.72	34.81	108.05	-848.65	266.38	431.64	365.60	66.04	6.536		
6,650.00	6,529.30	6,646.96	6,562.59	32.93	34.99	87.45	-845.13	273.09	429.26	362.92	66.34	6.471		
6,700.00	6,578.09	6,744.93	6,659.05	33.12	35.25	76.17	-842.38	289.63	420.89	354.80	66.09	6.368		
6,750.00	6,626.21	6,867.80	6,774.35	33.30	35.56	74.99	-844.35	331.44	400.78	337.03	63.75	6.287		
6,800.00	6,673.34	6,924.33	6,824.74	33.46	35.70	75.49	-847.49	356.87	374.92	311.87	63.04	5.947		
6,850.00	6,719.21	6,961.05	6,856.87	33.61	35.79	77.77	-849.27	374.55	347.76	284.60	63.15	5.506		
6,900.00	6,763.53	6,992.09	6,883.70	33.75	35.86	81.74	-850.46	390.10	320.86	257.43	63.42	5.059		
6,950.00	6,806.03	7,025.10	6,911.58	33.89	35.92	87.83	-851.38	407.75	295.49	232.04	63.44	4.658		
7,000.00	6,846.44	7,047.05	6,929.48	34.02	35.95	92.69	-851.76	420.44	273.63	209.70	63.93	4.280		
7,050.00	6,884.52	7,080.31	6,940.03	34.15	35.98	95.71	-851.90	428.47	257.82	193.29	64.53	3.996		
7,100.00	6,920.03	7,067.18	6,945.42	34.27	35.99	96.86	-851.95	432.73	250.16	185.40	64.75	3.863		
7,116.32	6,931.03	7,068.33	6,946.31	34.32	35.99	96.86	-851.96	433.45	249.65	184.96	64.69	3.859		
7,150.00	6,952.75	7,069.29	6,947.06	34.40	35.99	96.32	-851.96	434.05	251.81	187.48	64.33	3.915		
7,200.00	6,982.48	7,067.77	6,945.88	34.54	35.99	94.26	-851.95	433.10	262.71	199.36	63.35	4.147		
7,250.00	7,009.04	7,063.46	6,942.51	34.70	35.98	90.89	-851.93	430.41	281.66	219.48	62.18	4.530		
7,300.00	7,032.26	7,056.94	6,937.37	34.87	35.97	86.41	-851.87	426.41	306.94	245.77	61.17	5.018		
7,350.00	7,052.00	7,048.67	6,930.78	35.08	35.96	81.09	-851.78	421.41	336.79	276.30	60.50	5.567		
7,400.00	7,068.14	7,038.98	6,922.96	35.34	35.94	75.24	-851.64	415.69	369.76	309.57	60.19	6.143		
7,450.00	7,080.57	7,028.13	6,914.08	35.65	35.92	69.19	-851.44	409.46	404.71	344.49	60.21	6.721		
7,500.00	7,089.23	7,016.32	6,904.27	36.01	35.90	63.28	-851.17	402.88	440.77	380.29	60.48	7.288		
7,550.00	7,094.06	6,994.00	6,885.34	36.44	35.86	56.54	-850.53	391.08	477.49	417.25	60.24	7.926		
7,601.12	7,095.00	6,994.00	6,885.34	36.93	35.86	53.07	-850.53	391.08	514.70	452.92	61.78	8.331		
7,700.00	7,092.92	6,952.02	6,849.00	38.05	35.76	48.88	-848.87	370.12	588.82	526.78	62.03	9.492		
7,800.00	7,090.81	6,917.96	6,819.12	39.40	35.69	45.87	-847.14	353.88	667.68	605.01	62.66	10.655		
7,900.00	7,088.70	6,899.00	6,802.34	40.93	35.64	44.33	-846.03	345.12	749.63	685.87	63.76	11.756		
8,000.00	7,086.59	6,862.63	6,769.66	42.61	35.55	41.57	-844.12	329.28	833.75	769.75	64.01	13.026		
8,100.00	7,084.49	6,840.36	6,749.28	44.41	35.49	39.97	-843.29	320.33	920.06	855.42	64.64	14.234		
8,200.00	7,082.38	6,803.00	6,714.55	46.33	35.40	37.42	-842.46	306.61	1,008.36	943.64	64.72	15.580		
8,300.00	7,080.27	6,803.00	6,714.55	48.34	35.40	37.42	-842.46	306.61	1,097.44	1,031.74	65.70	16.704		
8,400.00	7,078.16	6,803.00	6,714.55	50.43	35.40	37.42	-842.46	306.61	1,188.25	1,121.79	66.46	17.880		
8,500.00	7,076.05	6,803.00	6,714.55	52.59	35.40	37.42	-842.46	306.61	1,280.43	1,213.37	67.06	19.094		
8,600.00	7,073.94	6,770.92	6,684.12	54.82	35.32	35.37	-842.25	296.47	1,372.43	1,305.37	67.06	20.467		
8,700.00	7,071.84	6,762.39	6,675.93	57.10	35.30	34.84	-842.26	294.09	1,465.85	1,398.46	67.39	21.751		
8,800.00	7,069.73	6,754.67	6,668.49	59.44	35.28	34.38	-842.30	292.05	1,559.94	1,492.25	67.68	23.048		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,067.62	6,747.67	6,661.71	61.81	35.26	33.96	-842.35	290.29	1,654.59	1,586.66	67.94	24.354		
9,000.00	7,065.51	6,708.00	6,622.92	64.23	35.15	31.68	-843.01	282.07	1,751.05	1,683.25	67.80	25.825		
9,100.00	7,063.40	6,708.00	6,622.92	66.68	35.15	31.68	-843.01	282.07	1,846.20	1,778.11	68.09	27.113		
9,200.00	7,061.29	6,708.00	6,622.92	69.15	35.15	31.68	-843.01	282.07	1,941.84	1,873.50	68.34	28.413		
9,300.00	7,059.18	6,708.00	6,622.92	71.66	35.15	31.68	-843.01	282.07	2,037.90	1,969.34	68.56	29.725		
9,400.00	7,057.08	6,708.00	6,622.92	74.19	35.15	31.68	-843.01	282.07	2,134.31	2,065.57	68.75	31.045		
9,500.00	7,054.97	6,708.00	6,622.92	76.75	35.15	31.68	-843.01	282.07	2,231.05	2,162.13	68.92	32.373		
9,600.00	7,052.86	6,708.00	6,622.92	79.32	35.15	31.68	-843.01	282.07	2,328.06	2,258.99	69.07	33.707		
9,700.00	7,050.75	6,708.00	6,622.92	81.91	35.15	31.68	-843.01	282.07	2,425.31	2,356.11	69.20	35.047		
9,800.00	7,048.64	6,708.00	6,622.92	84.52	35.15	31.68	-843.01	282.07	2,522.78	2,453.45	69.32	36.391		
9,900.00	7,046.53	6,708.00	6,622.92	87.14	35.15	31.68	-843.01	282.07	2,620.44	2,551.00	69.44	37.739		
10,000.00	7,044.43	6,708.00	6,622.92	89.78	35.15	31.68	-843.01	282.07	2,718.26	2,648.73	69.54	39.090		
10,100.00	7,042.32	6,708.00	6,622.92	92.43	35.15	31.68	-843.01	282.07	2,816.25	2,746.61	69.63	40.444		
10,200.00	7,040.21	6,678.30	6,593.61	95.09	35.08	30.10	-843.88	277.35	2,913.90	2,844.30	69.60	41.869		
10,300.00	7,038.10	6,672.96	6,588.33	97.76	35.06	29.82	-844.07	276.57	3,011.96	2,942.30	69.66	43.236		
10,400.00	7,035.99	6,667.86	6,583.29	100.44	35.05	29.57	-844.26	275.85	3,110.12	3,040.39	69.73	44.603		
10,500.00	7,033.88	6,663.00	6,578.47	103.13	35.04	29.32	-844.45	275.18	3,208.37	3,138.57	69.79	45.969		
10,600.00	7,031.78	6,658.34	6,573.86	105.82	35.02	29.09	-844.64	274.55	3,306.70	3,236.84	69.86	47.336		
10,700.00	7,029.67	6,653.89	6,569.46	108.53	35.01	28.87	-844.82	273.97	3,405.11	3,335.19	69.92	48.702		
10,800.00	7,027.56	6,649.63	6,565.23	111.24	35.00	28.66	-845.01	273.43	3,503.59	3,433.61	69.98	50.067		
10,900.00	7,025.45	6,645.55	6,561.19	113.96	34.99	28.47	-845.19	272.92	3,602.13	3,532.09	70.04	51.432		
11,000.00	7,023.34	6,613.00	6,528.88	116.68	34.90	26.95	-846.87	269.33	3,701.15	3,631.14	70.01	52.869		
11,100.00	7,021.23	6,613.00	6,528.88	119.41	34.90	26.95	-846.87	269.33	3,799.71	3,729.63	70.08	54.221		
11,200.00	7,019.13	6,613.00	6,528.88	122.15	34.90	26.95	-846.87	269.33	3,898.35	3,828.20	70.15	55.573		
11,300.00	7,017.02	6,613.00	6,528.88	124.89	34.90	26.95	-846.87	269.33	3,997.05	3,926.84	70.22	56.925		
11,400.00	7,014.91	6,613.00	6,528.88	127.63	34.90	26.95	-846.87	269.33	4,095.82	4,025.54	70.28	58.276		
11,500.00	7,012.80	6,613.00	6,528.88	130.38	34.90	26.95	-846.87	269.33	4,194.65	4,124.30	70.35	59.626		
11,600.00	7,010.69	6,613.00	6,528.88	133.14	34.90	26.95	-846.87	269.33	4,293.53	4,223.11	70.41	60.976		
11,700.00	7,008.58	6,613.00	6,528.88	135.89	34.90	26.95	-846.87	269.33	4,392.46	4,321.98	70.48	62.324		
11,800.00	7,006.47	6,613.00	6,528.88	138.65	34.90	26.95	-846.87	269.33	4,491.44	4,420.90	70.54	63.672		
11,900.00	7,004.37	6,613.00	6,528.88	141.42	34.90	26.95	-846.87	269.33	4,590.46	4,519.86	70.60	65.018		
12,000.00	7,002.26	6,613.00	6,528.88	144.19	34.90	26.95	-846.87	269.33	4,689.52	4,618.86	70.66	66.363		
12,100.00	7,000.15	6,613.00	6,528.88	146.96	34.90	26.95	-846.87	269.33	4,788.63	4,717.90	70.73	67.707		
12,200.00	6,998.04	6,613.00	6,528.88	149.73	34.90	26.95	-846.87	269.33	4,887.77	4,816.98	70.79	69.049		
12,300.00	6,995.93	6,613.00	6,528.88	152.51	34.90	26.95	-846.87	269.33	4,986.94	4,916.09	70.85	70.389		
12,400.00	6,993.82	6,613.00	6,528.88	155.28	34.90	26.95	-846.87	269.33	5,086.15	5,015.24	70.91	71.728		
12,500.00	6,991.72	6,613.00	6,528.88	158.06	34.90	26.95	-846.87	269.33	5,185.38	5,114.41	70.97	73.064		
12,600.00	6,989.61	6,613.00	6,528.88	160.85	34.90	26.95	-846.87	269.33	5,284.65	5,213.62	71.03	74.399		
12,700.00	6,987.50	6,613.00	6,528.88	163.63	34.90	26.95	-846.87	269.33	5,383.94	5,312.85	71.09	75.732		
12,800.00	6,985.39	6,613.00	6,528.88	166.42	34.90	26.95	-846.87	269.33	5,483.26	5,412.11	71.15	77.062		
12,900.00	6,983.28	6,613.00	6,528.88	169.21	34.90	26.95	-846.87	269.33	5,582.60	5,511.39	71.22	78.390		
13,000.00	6,981.17	6,613.00	6,528.88	172.00	34.90	26.95	-846.87	269.33	5,681.97	5,610.69	71.28	79.717		
13,100.00	6,979.07	6,613.00	6,528.88	174.79	34.90	26.95	-846.87	269.33	5,781.36	5,710.02	71.34	81.040		
13,200.00	6,976.96	6,613.00	6,528.88	177.59	34.90	26.95	-846.87	269.33	5,880.77	5,809.37	71.40	82.362		
13,300.00	6,974.85	6,613.00	6,528.88	180.38	34.90	26.95	-846.87	269.33	5,980.19	5,908.73	71.46	83.681		
13,400.00	6,972.74	6,613.00	6,528.88	183.18	34.90	26.95	-846.87	269.33	6,079.64	6,008.11	71.53	84.997		
13,500.00	6,970.63	6,613.00	6,528.88	185.98	34.90	26.95	-846.87	269.33	6,179.11	6,107.52	71.59	86.311		
13,600.00	6,968.52	6,613.00	6,528.88	188.78	34.90	26.95	-846.87	269.33	6,278.59	6,206.93	71.66	87.622		
13,700.00	6,966.41	6,574.31	6,490.38	191.58	34.80	25.91	-848.85	266.07	6,377.42	6,305.76	71.66	88.993		
13,800.00	6,964.31	6,572.69	6,488.77	194.39	34.79	25.24	-848.92	265.96	6,476.88	6,405.16	71.73	90.300		
13,900.00	6,962.20	6,571.12	6,487.20	197.19	34.79	25.18	-848.99	265.85	6,576.36	6,504.57	71.79	91.605		
14,000.00	6,960.09	6,569.58	6,485.66	200.00	34.78	25.12	-849.06	265.75	6,675.84	6,603.99	71.85	92.907		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	
14,100.00	6,957.98	6,568.08	6,484.17	202.80	34.78	25.06	-849.12	265.65	6,775.34	6,703.42	71.92	94.206	
14,200.00	6,955.87	6,566.61	6,482.70	205.61	34.78	25.00	-849.19	265.55	6,874.86	6,802.87	71.99	95.502	
14,300.00	6,953.76	6,565.18	6,481.28	208.42	34.77	24.95	-849.25	265.46	6,974.38	6,902.33	72.05	96.796	
14,400.00	6,951.66	6,563.78	6,479.88	211.23	34.77	24.89	-849.31	265.37	7,073.92	7,001.80	72.12	98.086	
14,500.00	6,949.55	6,562.41	6,478.52	214.04	34.76	24.84	-849.37	265.28	7,173.46	7,101.28	72.19	99.372	
14,600.00	6,947.44	6,561.07	6,477.19	216.85	34.76	24.79	-849.42	265.20	7,273.02	7,200.77	72.26	100.656	
14,700.00	6,945.33	6,559.77	6,475.88	219.66	34.76	24.74	-849.48	265.12	7,372.59	7,300.27	72.33	101.937	
14,800.00	6,943.22	6,558.49	6,474.61	222.48	34.75	24.69	-849.53	265.05	7,472.17	7,399.78	72.39	103.214	
14,900.00	6,941.11	6,557.24	6,473.36	225.29	34.75	24.64	-849.58	264.97	7,571.76	7,499.29	72.47	104.488	
15,000.00	6,939.01	6,518.00	6,434.18	228.11	34.64	23.25	-850.93	263.23	7,671.98	7,599.48	72.49	105.830	
15,100.00	6,936.90	6,518.00	6,434.18	230.92	34.64	23.25	-850.93	263.23	7,771.54	7,698.98	72.57	107.096	
15,200.00	6,934.79	6,518.00	6,434.18	233.74	34.64	23.25	-850.93	263.23	7,871.12	7,798.48	72.64	108.357	
15,300.00	6,932.68	6,518.00	6,434.18	236.56	34.64	23.25	-850.93	263.23	7,970.71	7,898.00	72.71	109.616	
15,400.00	6,930.57	6,518.00	6,434.18	239.37	34.64	23.25	-850.93	263.23	8,070.31	7,997.52	72.79	110.871	
15,500.00	6,928.46	6,518.00	6,434.18	242.19	34.64	23.25	-850.93	263.23	8,169.92	8,097.06	72.87	112.123	
15,521.99	6,928.00	6,518.00	6,434.18	242.81	34.64	23.25	-850.93	263.23	8,191.82	8,118.94	72.88	112.398	

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	79.30	98.74	522.79	532.08					
100.00	100.00	97.54	97.54	3.28	3.30	79.31	98.57	522.05	531.29	524.71	6.58	80.706		
200.00	200.00	197.40	197.39	3.34	3.37	79.34	98.12	521.33	530.50	523.79	6.71	79.078		
300.00	299.98	300.45	300.43	3.44	3.50	-67.50	97.95	520.26	528.78	521.84	6.94	76.145		
400.00	399.84	405.09	405.05	3.59	3.69	-68.17	97.93	518.28	524.95	517.66	7.28	72.073		
500.00	499.45	501.13	501.08	3.79	3.90	-69.19	98.13	516.19	519.68	511.99	7.69	67.569		
600.00	598.70	595.91	595.84	4.04	4.14	-70.49	97.79	515.08	514.22	506.04	8.17	62.923		
700.00	697.47	697.02	696.95	4.32	4.42	-72.17	96.58	514.38	508.18	499.44	8.74	58.151		
773.50	769.68	774.41	774.31	4.55	4.66	-73.69	94.86	513.44	502.77	493.56	9.21	54.607		
800.00	795.65	802.29	802.18	4.64	4.74	-74.24	94.12	512.93	500.61	491.22	9.38	53.350		
900.00	893.65	891.21	891.08	5.00	5.03	-76.06	92.39	511.92	493.69	483.66	10.02	49.253		
1,000.00	991.65	983.10	982.95	5.38	5.33	-78.05	91.60	511.94	488.86	478.16	10.70	45.667		
1,100.00	1,089.66	1,077.15	1,077.00	5.78	5.64	-80.17	91.48	512.75	485.80	474.39	11.41	42.559		
1,200.00	1,187.66	1,172.76	1,172.61	6.20	5.96	-82.32	91.54	514.22	484.16	472.01	12.16	39.832		
1,300.00	1,285.66	1,271.18	1,271.01	6.63	6.31	-84.57	91.81	515.89	483.51	470.58	12.93	37.399		
1,345.37	1,330.13	1,315.96	1,315.79	6.83	6.47	-85.62	92.18	516.48	483.45	470.16	13.29	36.388 CC		
1,400.00	1,383.67	1,370.23	1,370.05	7.07	6.66	-86.92	92.72	517.07	483.53	469.81	13.72	35.236		
1,500.00	1,481.67	1,469.07	1,468.87	7.51	7.02	-89.33	93.98	517.77	484.16	469.63	14.53	33.317 ES		
1,600.00	1,579.67	1,566.90	1,566.69	7.97	7.39	-91.77	95.66	518.05	485.58	470.23	15.35	31.631		
1,700.00	1,677.67	1,664.96	1,664.74	8.43	7.77	-94.21	97.41	518.25	487.89	471.71	16.18	30.151		
1,800.00	1,775.68	1,763.92	1,763.68	8.90	8.15	-96.68	99.30	518.15	490.96	473.94	17.02	28.838		
1,900.00	1,873.68	1,860.66	1,860.40	9.37	8.53	-99.07	101.15	517.98	494.89	477.03	17.86	27.703		
2,000.00	1,971.68	1,958.12	1,957.84	9.84	8.92	-101.46	103.23	517.75	499.85	481.14	18.71	26.714		
2,100.00	2,069.69	2,051.37	2,050.96	10.32	9.29	-104.00	107.40	515.74	506.13	486.59	19.54	25.904		
2,200.00	2,167.69	2,160.52	2,159.62	10.80	9.74	-107.46	115.07	509.01	513.00	492.56	20.45	25.088		
2,300.00	2,265.69	2,273.27	2,271.63	11.28	10.21	-111.20	121.34	497.75	518.05	496.67	21.37	24.236		
2,400.00	2,363.69	2,368.18	2,365.97	11.77	10.61	-114.20	125.22	488.18	523.61	501.38	22.22	23.561		
2,500.00	2,461.70	2,460.69	2,458.03	12.25	11.01	-116.97	128.88	479.91	531.15	508.09	23.06	23.035		
2,600.00	2,559.70	2,555.44	2,552.42	12.74	11.41	-119.62	132.62	472.43	540.52	516.62	23.90	22.614		
2,700.00	2,657.70	2,653.47	2,650.05	13.23	11.84	-122.31	136.49	464.44	551.02	526.26	24.76	22.251		
2,800.00	2,755.71	2,748.38	2,744.55	13.72	12.25	-124.82	139.97	456.49	562.37	536.76	25.61	21.961		
2,900.00	2,853.71	2,839.26	2,834.86	14.21	12.66	-127.31	144.81	447.46	575.86	549.44	26.42	21.796		
3,000.00	2,951.71	2,933.82	2,928.80	14.70	13.08	-129.80	149.77	437.92	590.45	563.20	27.26	21.662		
3,100.00	3,049.71	3,019.24	3,013.64	15.20	13.47	-131.93	155.45	429.83	607.60	579.58	28.02	21.687		
3,200.00	3,147.72	3,121.18	3,114.97	15.69	13.93	-134.28	162.06	420.80	625.74	596.83	28.91	21.642		
3,300.00	3,245.72	3,216.91	3,210.19	16.19	14.36	-136.34	167.48	412.50	644.05	614.29	29.76	21.644		
3,400.00	3,343.72	3,304.30	3,297.13	16.69	14.76	-138.05	173.19	405.77	664.08	633.55	30.52	21.757		
3,500.00	3,441.73	3,401.41	3,393.77	17.18	15.20	-139.80	179.82	399.02	685.14	653.76	31.38	21.835		
3,600.00	3,539.73	3,499.49	3,491.43	17.68	15.64	-141.43	186.20	392.46	706.50	674.25	32.24	21.912		
3,700.00	3,637.73	3,597.02	3,588.58	18.18	16.08	-142.94	192.21	386.26	728.05	694.95	33.10	21.994		
3,800.00	3,735.73	3,692.47	3,683.66	18.68	16.52	-144.32	198.05	380.33	750.01	716.07	33.94	22.096		
3,900.00	3,833.74	3,822.14	3,813.06	19.18	17.09	-145.98	202.25	373.41	769.37	734.29	35.08	21.931		
4,000.00	3,931.74	3,916.77	3,907.54	19.67	17.51	-147.12	204.08	368.59	788.03	752.12	35.92	21.940		
4,100.00	4,029.74	4,015.46	4,006.12	20.17	17.94	-148.18	206.15	364.52	807.13	770.34	36.78	21.942		
4,200.00	4,127.75	4,115.70	4,106.35	20.67	18.47	-149.11	206.80	364.84	824.81	786.95	37.86	21.789		
4,300.00	4,225.75	4,239.97	4,230.60	21.18	18.84	-149.75	205.36	365.36	840.48	801.81	38.67	21.736		
4,400.00	4,323.75	4,343.23	4,333.84	21.68	19.25	-150.44	203.44	365.58	855.94	816.40	39.54	21.649		
4,500.00	4,421.76	4,424.60	4,415.20	22.18	19.57	-150.90	202.70	366.78	872.35	832.08	40.27	21.662		
4,600.00	4,519.76	4,519.13	4,509.70	22.68	19.95	-151.35	203.06	369.07	890.01	848.92	41.09	21.660		
4,700.00	4,617.76	4,605.15	4,595.69	23.18	20.30	-151.76	204.07	370.67	908.55	866.70	41.85	21.711		
4,800.00	4,715.76	4,697.44	4,687.95	23.68	20.68	-152.23	206.05	371.82	928.16	885.50	42.66	21.759		
4,900.00	4,813.77	4,791.80	4,782.29	24.18	21.08	-152.70	208.44	372.62	948.25	904.77	43.49	21.806		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,911.77	4,899.56	4,890.01	24.69	21.53	-153.24	210.86	373.33	968.17	923.74	44.43	21.792		
5,100.00	5,009.77	5,015.44	5,005.89	25.19	22.01	-153.87	211.28	372.98	986.40	940.98	45.42	21.716		
5,200.00	5,107.78	5,106.16	5,096.60	25.69	22.40	-154.41	211.15	371.61	1,004.43	958.20	46.23	21.725		
5,300.00	5,205.78	5,199.99	5,190.41	26.19	22.80	-154.96	211.50	369.91	1,023.10	976.03	47.07	21.736		
5,400.00	5,303.78	5,295.64	5,286.04	26.70	23.21	-155.51	212.06	367.95	1,042.11	994.19	47.92	21.747		
5,500.00	5,401.78	5,394.06	5,384.43	27.20	23.63	-156.06	212.96	365.96	1,061.53	1,012.74	48.79	21.756		
5,600.00	5,499.79	5,514.93	5,505.29	27.70	24.14	-156.67	211.94	364.49	1,079.09	1,029.26	49.83	21.657		
5,700.00	5,597.79	5,605.49	5,595.84	28.21	24.51	-157.10	211.05	363.75	1,096.62	1,045.99	50.63	21.658		
5,800.00	5,695.79	5,694.69	5,685.04	28.71	24.89	-157.50	210.82	362.96	1,114.94	1,063.51	51.43	21.677		
5,900.00	5,793.80	5,790.13	5,780.47	29.22	25.29	-157.93	211.29	361.86	1,134.08	1,081.80	52.28	21.691		
6,000.00	5,891.80	5,892.88	5,883.22	29.72	25.72	-158.30	211.35	362.08	1,152.59	1,099.41	53.18	21.673		
6,100.00	5,989.80	5,978.47	5,968.81	30.22	26.08	-158.59	212.02	362.42	1,171.81	1,117.86	53.95	21.722		
6,200.00	6,087.80	6,074.08	6,064.40	30.73	26.48	-158.92	213.55	362.33	1,191.94	1,137.14	54.79	21.753		
6,300.00	6,185.81	6,177.56	6,167.88	31.23	26.92	-159.25	214.38	362.67	1,211.23	1,155.53	55.71	21.743		
6,400.00	6,283.81	6,282.91	6,273.20	31.74	27.36	-159.54	215.98	363.62	1,231.19	1,174.56	56.63	21.741		
6,500.00	6,381.81	6,483.76	6,468.72	32.24	28.11	-158.31	216.55	404.96	1,244.91	1,186.81	58.10	21.428		
6,520.79	6,402.19	6,506.46	6,490.08	32.35	28.20	-158.04	216.47	412.64	1,247.19	1,188.91	58.29	21.398		
6,550.00	6,430.87	6,534.65	6,516.44	32.49	28.30	-170.31	216.43	422.64	1,250.29	1,191.75	58.54	21.358		
6,600.00	6,480.12	6,576.73	6,555.02	32.72	28.45	164.68	216.85	439.41	1,255.38	1,196.43	58.94	21.298		
6,650.00	6,529.30	6,628.36	6,600.91	32.93	28.64	142.39	218.11	463.00	1,260.42	1,201.03	59.39	21.222		
6,700.00	6,578.09	6,771.28	6,722.58	33.12	29.25	130.33	215.29	537.67	1,262.63	1,202.36	60.28	20.947		
6,750.00	6,626.21	6,818.67	6,759.50	33.30	29.48	121.69	213.20	567.28	1,264.72	1,203.93	60.79	20.805		
6,800.00	6,673.34	6,847.87	6,781.42	33.46	29.65	115.97	211.88	586.53	1,267.78	1,206.55	61.23	20.705		
6,850.00	6,719.21	6,870.92	6,798.32	33.61	29.78	112.03	210.86	602.18	1,272.17	1,210.56	61.61	20.648		
6,900.00	6,763.53	6,888.36	6,810.86	33.75	29.88	109.04	210.10	614.26	1,278.10	1,216.17	61.93	20.637 SF		
6,950.00	6,806.03	6,900.73	6,819.63	33.89	29.95	106.53	209.56	622.97	1,285.70	1,223.52	62.18	20.675		
7,000.00	6,846.44	6,899.00	6,818.41	34.02	29.94	103.80	209.64	621.75	1,295.06	1,232.78	62.28	20.794		
7,050.00	6,884.52	6,899.00	6,818.41	34.15	29.94	101.39	209.64	621.75	1,306.12	1,243.76	62.37	20.943		
7,100.00	6,920.03	6,899.00	6,818.41	34.27	29.94	99.11	209.64	621.75	1,318.78	1,256.34	62.44	21.122		
7,150.00	6,952.75	6,899.00	6,818.41	34.40	29.94	96.91	209.64	621.75	1,332.90	1,270.39	62.51	21.322		
7,200.00	6,982.48	6,899.00	6,818.41	34.54	29.94	94.75	209.64	621.75	1,348.37	1,285.76	62.61	21.537		
7,250.00	7,009.04	6,899.00	6,818.41	34.70	29.94	92.61	209.64	621.75	1,365.04	1,302.30	62.74	21.758		
7,300.00	7,032.26	6,885.98	6,809.17	34.87	29.87	89.93	210.20	612.61	1,382.67	1,319.95	62.73	22.043		
7,350.00	7,052.00	6,873.87	6,800.45	35.08	29.80	87.33	210.73	604.21	1,401.06	1,338.29	62.77	22.319		
7,400.00	7,068.14	6,860.07	6,790.41	35.34	29.72	84.73	211.34	594.77	1,419.99	1,357.14	62.85	22.595		
7,450.00	7,080.57	6,844.78	6,779.13	35.65	29.63	82.16	212.02	584.47	1,439.22	1,376.27	62.95	22.863		
7,500.00	7,089.23	6,828.17	6,766.70	36.01	29.54	79.65	212.77	573.48	1,458.55	1,395.46	63.09	23.118		
7,550.00	7,094.06	6,804.00	6,748.29	36.44	29.40	77.04	213.86	557.86	1,477.78	1,414.62	63.17	23.395		
7,601.12	7,095.00	6,804.00	6,748.29	36.93	29.40	75.29	213.86	557.86	1,497.17	1,433.49	63.68	23.511		
7,700.00	7,092.92	6,760.21	6,713.65	38.05	29.19	73.97	215.74	531.15	1,536.13	1,472.00	64.13	23.954		
7,800.00	7,090.81	6,731.61	6,690.04	39.40	29.06	73.07	216.83	515.04	1,579.78	1,514.94	64.85	24.362		
7,900.00	7,088.70	6,697.80	6,661.26	40.93	28.91	71.99	217.95	497.34	1,627.47	1,561.96	65.51	24.844		
8,000.00	7,086.59	6,614.00	6,588.29	42.61	28.58	69.27	217.74	456.16	1,677.66	1,612.19	65.47	25.626		
8,100.00	7,084.49	6,614.00	6,588.29	44.41	28.58	69.27	217.74	456.16	1,731.12	1,664.51	66.61	25.988		
8,200.00	7,082.38	6,580.59	6,558.51	46.33	28.46	68.18	216.92	441.06	1,787.60	1,720.35	67.25	26.582		
8,300.00	7,080.27	6,566.72	6,545.94	48.34	28.41	67.72	216.69	435.21	1,847.69	1,779.59	68.10	27.131		
8,400.00	7,078.16	6,553.92	6,534.23	50.43	28.36	67.30	216.54	430.03	1,910.83	1,841.92	68.91	27.729		
8,500.00	7,076.05	6,519.00	6,501.84	52.59	28.24	66.15	216.43	416.99	1,977.22	1,907.82	69.40	28.491		
8,600.00	7,073.94	6,519.00	6,501.84	54.82	28.24	66.15	216.43	416.99	2,045.34	1,975.10	70.24	29.117		
8,700.00	7,071.84	6,519.00	6,501.84	57.10	28.24	66.15	216.43	416.99	2,116.00	2,044.98	71.02	29.796		
8,800.00	7,069.73	6,519.00	6,501.84	59.44	28.24	66.15	216.43	416.99	2,188.94	2,117.22	71.72	30.521		
8,900.00	7,067.62	6,485.09	6,469.97	61.81	28.12	65.04	216.54	405.40	2,263.45	2,191.41	72.05	31.416		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,065.51	6,467.68	6,453.53	64.23	28.06	64.48	216.61	399.68	2,339.70	2,267.20	72.49	32.274		
9,100.00	7,063.40	6,451.12	6,437.84	66.68	28.00	63.94	216.68	394.38	2,417.43	2,344.52	72.91	33.156		
9,200.00	7,061.29	6,424.00	6,412.05	69.15	27.90	63.08	216.80	385.99	2,496.59	2,423.38	73.20	34.105		
9,300.00	7,059.18	6,424.00	6,412.05	71.66	27.90	63.08	216.80	385.99	2,576.90	2,503.21	73.69	34.970		
9,400.00	7,057.08	6,424.00	6,412.05	74.19	27.90	63.08	216.80	385.99	2,658.54	2,584.41	74.13	35.862		
9,500.00	7,054.97	6,424.00	6,412.05	76.75	27.90	63.08	216.80	385.99	2,741.41	2,666.87	74.54	36.780		
9,600.00	7,052.86	6,424.00	6,412.05	79.32	27.90	63.08	216.80	385.99	2,825.38	2,750.47	74.91	37.719		
9,700.00	7,050.75	6,424.00	6,412.05	81.91	27.90	63.08	216.80	385.99	2,910.36	2,835.12	75.24	38.679		
9,800.00	7,048.64	6,424.00	6,412.05	84.52	27.90	63.08	216.80	385.99	2,996.27	2,920.72	75.55	39.657		
9,900.00	7,046.53	6,424.00	6,412.05	87.14	27.90	63.08	216.80	385.99	3,083.03	3,007.20	75.84	40.652		
10,000.00	7,044.43	6,424.00	6,412.05	89.78	27.90	63.08	216.80	385.99	3,170.58	3,094.47	76.10	41.662		
10,100.00	7,042.32	6,424.00	6,412.05	92.43	27.90	63.08	216.80	385.99	3,258.83	3,182.49	76.34	42.686		
10,200.00	7,040.21	6,384.04	6,373.48	95.09	27.75	61.80	216.86	375.61	3,345.97	3,269.61	76.36	43.819		
10,300.00	7,038.10	6,380.95	6,370.46	97.76	27.74	61.70	216.86	374.95	3,435.21	3,358.65	76.56	44.869		
10,400.00	7,035.99	6,378.03	6,367.60	100.44	27.73	61.61	216.85	374.34	3,525.01	3,448.26	76.75	45.930		
10,500.00	7,033.88	6,375.26	6,364.89	103.13	27.72	61.52	216.84	373.78	3,615.32	3,538.40	76.92	46.999		
10,600.00	7,031.78	6,372.63	6,362.31	105.82	27.71	61.44	216.84	373.27	3,706.12	3,629.03	77.09	48.077		
10,700.00	7,029.67	6,370.14	6,359.86	108.53	27.70	61.36	216.83	372.80	3,797.36	3,720.12	77.24	49.162		
10,800.00	7,027.56	6,329.00	6,319.16	111.24	27.55	60.04	216.54	366.95	3,890.71	3,813.53	77.18	50.408		
10,900.00	7,025.45	6,329.00	6,319.16	113.96	27.55	60.04	216.54	366.95	3,982.57	3,905.24	77.34	51.495		
11,000.00	7,023.34	6,329.00	6,319.16	116.68	27.55	60.04	216.54	366.95	4,074.82	3,997.33	77.48	52.589		
11,100.00	7,021.23	6,329.00	6,319.16	119.41	27.55	60.04	216.54	366.95	4,167.42	4,089.80	77.62	53.689		
11,200.00	7,019.13	6,329.00	6,319.16	122.15	27.55	60.04	216.54	366.95	4,260.36	4,182.61	77.75	54.795		
11,300.00	7,017.02	6,329.00	6,319.16	124.89	27.55	60.04	216.54	366.95	4,353.61	4,275.73	77.87	55.906		
11,400.00	7,014.91	6,329.00	6,319.16	127.63	27.55	60.04	216.54	366.95	4,447.15	4,369.16	77.99	57.022		
11,500.00	7,012.80	6,329.00	6,319.16	130.38	27.55	60.04	216.54	366.95	4,540.97	4,462.87	78.10	58.142		
11,600.00	7,010.69	6,329.00	6,319.16	133.14	27.55	60.04	216.54	366.95	4,635.05	4,556.84	78.21	59.266		
11,700.00	7,008.58	6,329.00	6,319.16	135.89	27.55	60.04	216.54	366.95	4,729.37	4,651.06	78.31	60.393		
11,800.00	7,006.47	6,329.00	6,319.16	138.65	27.55	60.04	216.54	366.95	4,823.92	4,745.51	78.41	61.524		
11,900.00	7,004.37	6,329.00	6,319.16	141.42	27.55	60.04	216.54	366.95	4,918.68	4,840.18	78.50	62.658		
12,000.00	7,002.26	6,329.00	6,319.16	144.19	27.55	60.04	216.54	366.95	5,013.65	4,935.06	78.59	63.795		
12,100.00	7,000.15	6,329.00	6,319.16	146.96	27.55	60.04	216.54	366.95	5,108.81	5,030.13	78.68	64.934		
12,200.00	6,998.04	6,329.00	6,319.16	149.73	27.55	60.04	216.54	366.95	5,204.15	5,125.39	78.76	66.075		
12,300.00	6,995.93	6,329.00	6,319.16	152.51	27.55	60.04	216.54	366.95	5,299.66	5,220.82	78.84	67.218		
12,400.00	6,993.82	6,329.00	6,319.16	155.28	27.55	60.04	216.54	366.95	5,395.34	5,316.42	78.92	68.363		
12,500.00	6,991.72	6,329.00	6,319.16	158.06	27.55	60.04	216.54	366.95	5,491.17	5,412.17	79.00	69.509		
12,600.00	6,989.61	6,329.00	6,319.16	160.85	27.55	60.04	216.54	366.95	5,587.14	5,508.07	79.07	70.657		
12,700.00	6,987.50	6,329.00	6,319.16	163.63	27.55	60.04	216.54	366.95	5,683.26	5,604.11	79.15	71.806		
12,800.00	6,985.39	6,329.00	6,319.16	166.42	27.55	60.04	216.54	366.95	5,779.50	5,700.29	79.22	72.956		
12,900.00	6,983.28	6,329.00	6,319.16	169.21	27.55	60.04	216.54	366.95	5,875.88	5,796.59	79.29	74.107		
13,000.00	6,981.17	6,329.00	6,319.16	172.00	27.55	60.04	216.54	366.95	5,972.37	5,893.01	79.36	75.259		
13,100.00	6,979.07	6,329.00	6,319.16	174.79	27.55	60.04	216.54	366.95	6,068.97	5,989.55	79.43	76.411		
13,200.00	6,976.96	6,329.00	6,319.16	177.59	27.55	60.04	216.54	366.95	6,165.69	6,086.19	79.49	77.564		
13,300.00	6,974.85	6,329.00	6,319.16	180.38	27.55	60.04	216.54	366.95	6,262.50	6,182.94	79.56	78.717		
13,400.00	6,972.74	6,329.00	6,319.16	183.18	27.55	60.04	216.54	366.95	6,359.42	6,279.79	79.62	79.870		
13,500.00	6,970.63	6,329.00	6,319.16	185.98	27.55	60.04	216.54	366.95	6,456.43	6,376.74	79.69	81.023		
13,600.00	6,968.52	6,329.00	6,319.16	188.78	27.55	60.04	216.54	366.95	6,553.52	6,473.77	79.75	82.176		
13,700.00	6,966.41	6,329.00	6,319.16	191.58	27.55	60.04	216.54	366.95	6,650.71	6,570.90	79.81	83.330		
13,800.00	6,964.31	6,329.00	6,319.16	194.39	27.55	60.04	216.54	366.95	6,747.98	6,668.10	79.87	84.482		
13,900.00	6,962.20	6,329.00	6,319.16	197.19	27.55	60.04	216.54	366.95	6,845.32	6,765.39	79.94	85.635		
14,000.00	6,960.09	6,329.00	6,319.16	200.00	27.55	60.04	216.54	366.95	6,942.74	6,862.75	80.00	86.787		
14,100.00	6,957.98	6,329.00	6,319.16	202.80	27.55	60.04	216.54	366.95	7,040.24	6,960.18	80.06	87.939		

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

Offset Design		Boomerang 21-5 - SRC Wiedeman #A-5-3NBHZ - OH - OH											Offset Site Error:		0.00 ft
Survey Program:		39-MWD											Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
14,200.00	6,955.87	6,329.00	6,319.16	205.61	27.55	60.04	216.54	366.95	7,137.80	7,057.68	80.12	89.090			
14,300.00	6,953.76	6,329.00	6,319.16	208.42	27.55	60.04	216.54	366.95	7,235.43	7,155.25	80.18	90.241			
14,400.00	6,951.66	6,329.00	6,319.16	211.23	27.55	60.04	216.54	366.95	7,333.12	7,252.88	80.24	91.391			
14,500.00	6,949.55	6,329.00	6,319.16	214.04	27.55	60.04	216.54	366.95	7,430.88	7,350.58	80.30	92.540			
14,600.00	6,947.44	6,329.00	6,319.16	216.85	27.55	60.04	216.54	366.95	7,528.69	7,448.33	80.36	93.688			
14,700.00	6,945.33	6,329.00	6,319.16	219.66	27.55	60.04	216.54	366.95	7,626.56	7,546.14	80.42	94.835			
14,800.00	6,943.22	6,329.00	6,319.16	222.48	27.55	60.04	216.54	366.95	7,724.49	7,644.01	80.48	95.981			
14,900.00	6,941.11	6,329.00	6,319.16	225.29	27.55	60.04	216.54	366.95	7,822.46	7,741.92	80.54	97.126			
15,000.00	6,939.01	6,329.00	6,319.16	228.11	27.55	60.04	216.54	366.95	7,920.49	7,839.89	80.60	98.270			
15,100.00	6,936.90	6,329.00	6,319.16	230.92	27.55	60.04	216.54	366.95	8,018.57	7,937.91	80.66	99.413			
15,200.00	6,934.79	6,329.00	6,319.16	233.74	27.55	60.04	216.54	366.95	8,116.69	8,035.97	80.72	100.555			
15,300.00	6,932.68	6,329.00	6,319.16	236.56	27.55	60.04	216.54	366.95	8,214.86	8,134.08	80.78	101.695			
15,400.00	6,930.57	6,329.00	6,319.16	239.37	27.55	60.04	216.54	366.95	8,313.07	8,232.23	80.84	102.835			
15,500.00	6,928.46	6,329.00	6,319.16	242.19	27.55	60.04	216.54	366.95	8,411.33	8,330.43	80.90	103.972			
15,521.99	6,928.00	6,329.00	6,319.16	242.81	27.55	60.04	216.54	366.95	8,432.94	8,352.02	80.91	104.222			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-70.91	316.60	-915.01	4,886.88					
100.00	100.00	0.00	0.00	3.28	0.00	-70.91	316.60	-915.01	4,788.90	4,782.00	6.90	693.585		
200.00	200.00	0.00	0.00	3.34	0.00	-70.91	316.60	-915.01	4,691.01	4,684.23	6.78	691.879		
300.00	299.98	0.00	0.00	3.44	0.00	147.49	316.60	-915.01	4,593.52	4,586.87	6.65	690.249		
400.00	399.84	0.00	0.00	3.59	0.00	151.33	316.60	-915.01	4,496.86	4,490.33	6.53	688.776		
500.00	499.45	0.00	0.00	3.79	0.00	154.33	316.60	-915.01	4,401.21	4,394.80	6.41	687.038		
600.00	598.70	0.00	0.00	4.04	0.00	156.72	316.60	-915.01	4,306.74	4,300.46	6.29	684.862		
700.00	697.47	0.00	0.00	4.32	0.00	158.65	316.60	-915.01	4,213.67	4,207.49	6.18	682.001		
773.50	769.68	0.00	0.00	4.55	0.00	159.85	316.60	-915.01	4,146.27	4,140.17	6.10	679.485		
800.00	795.65	0.00	0.00	4.64	0.00	159.85	316.60	-915.01	4,122.16	4,116.08	6.08	678.520		
900.00	893.65	0.00	0.00	5.00	0.00	159.85	316.60	-915.01	4,031.41	4,025.41	6.00	671.509		
1,000.00	991.65	0.00	0.00	5.38	0.00	159.85	316.60	-915.01	3,941.11	3,935.17	5.95	662.815		
1,100.00	1,089.66	0.00	0.00	5.78	0.00	159.85	316.60	-915.01	3,851.29	3,845.39	5.90	652.254		
1,200.00	1,187.66	0.00	0.00	6.20	0.00	159.85	316.60	-915.01	3,761.99	3,756.11	5.88	639.664		
1,300.00	1,285.66	0.00	0.00	6.63	0.00	159.85	316.60	-915.01	3,673.24	3,667.36	5.88	624.922		
1,400.00	1,383.67	0.00	0.00	7.07	0.00	159.85	316.60	-915.01	3,585.08	3,579.18	5.90	607.963		
1,500.00	1,481.67	0.00	0.00	7.51	0.00	159.85	316.60	-915.01	3,497.55	3,491.61	5.94	588.794		
1,600.00	1,579.67	0.00	0.00	7.97	0.00	159.85	316.60	-915.01	3,410.71	3,404.70	6.01	567.504		
1,700.00	1,677.67	0.00	0.00	8.43	0.00	159.85	316.60	-915.01	3,324.62	3,318.51	6.11	544.272		
1,800.00	1,775.68	0.00	0.00	8.90	0.00	159.85	316.60	-915.01	3,239.32	3,233.08	6.24	519.360		
1,900.00	1,873.68	0.00	0.00	9.37	0.00	159.85	316.60	-915.01	3,154.88	3,148.48	6.40	493.104		
2,000.00	1,971.68	0.00	0.00	9.84	0.00	159.85	316.60	-915.01	3,071.38	3,064.79	6.59	465.890		
2,100.00	2,069.69	0.00	0.00	10.32	0.00	159.85	316.60	-915.01	2,988.89	2,982.07	6.82	438.130		
2,200.00	2,167.69	0.00	0.00	10.80	0.00	159.85	316.60	-915.01	2,907.50	2,900.42	7.09	410.238		
2,300.00	2,265.69	0.00	0.00	11.28	0.00	159.85	316.60	-915.01	2,827.31	2,819.92	7.39	382.603		
2,400.00	2,363.69	0.00	0.00	11.77	0.00	159.85	316.60	-915.01	2,748.41	2,740.68	7.73	355.573		
2,500.00	2,461.70	0.00	0.00	12.25	0.00	159.85	316.60	-915.01	2,670.93	2,662.83	8.11	329.440		
2,600.00	2,559.70	0.00	0.00	12.74	0.00	159.85	316.60	-915.01	2,594.99	2,586.47	8.52	304.439		
2,700.00	2,657.70	0.00	0.00	13.23	0.00	159.85	316.60	-915.01	2,520.73	2,511.75	8.98	280.743		
2,800.00	2,755.71	0.00	0.00	13.72	0.00	159.85	316.60	-915.01	2,448.30	2,438.83	9.47	258.473		
2,900.00	2,853.71	0.00	0.00	14.21	0.00	159.85	316.60	-915.01	2,377.87	2,367.87	10.00	237.698		
3,000.00	2,951.71	0.00	0.00	14.70	0.00	159.85	316.60	-915.01	2,309.63	2,299.06	10.57	218.448		
3,100.00	3,049.71	0.00	0.00	15.20	0.00	159.85	316.60	-915.01	2,243.77	2,232.59	11.18	200.720		
3,200.00	3,147.72	0.00	0.00	15.69	0.00	159.85	316.60	-915.01	2,180.50	2,168.68	11.82	184.487		
3,300.00	3,245.72	0.00	0.00	16.19	0.00	159.85	316.60	-915.01	2,120.07	2,107.58	12.49	169.704		
3,400.00	3,343.72	0.00	0.00	16.69	0.00	159.85	316.60	-915.01	2,062.71	2,049.52	13.20	156.312		
3,500.00	3,441.73	0.00	0.00	17.18	0.00	159.85	316.60	-915.01	2,008.70	1,994.78	13.93	144.245		
3,600.00	3,539.73	0.00	0.00	17.68	0.00	159.85	316.60	-915.01	1,958.31	1,943.64	14.68	133.433		
3,700.00	3,637.73	0.00	0.00	18.18	0.00	159.85	316.60	-915.01	1,911.83	1,896.39	15.44	123.805		
3,800.00	3,735.73	0.00	0.00	18.68	0.00	159.85	316.60	-915.01	1,869.54	1,853.33	16.22	115.288		
3,900.00	3,833.74	0.00	0.00	19.18	0.00	159.85	316.60	-915.01	1,831.75	1,814.76	16.99	107.813		
4,000.00	3,931.74	0.00	0.00	19.67	0.00	159.85	316.60	-915.01	1,798.72	1,780.97	17.75	101.313		
4,100.00	4,029.74	0.00	0.00	20.17	0.00	159.85	316.60	-915.01	1,770.73	1,752.24	18.50	95.724		
4,200.00	4,127.75	0.00	0.00	20.67	0.00	159.85	316.60	-915.01	1,748.03	1,728.82	19.21	90.985		
4,300.00	4,225.75	0.00	0.00	21.18	0.00	159.85	316.60	-915.01	1,730.81	1,710.92	19.88	87.041		
4,400.00	4,323.75	0.00	0.00	21.68	0.00	159.85	316.60	-915.01	1,719.24	1,698.74	20.51	83.839		
4,500.00	4,421.76	0.00	0.00	22.18	0.00	159.85	316.60	-915.01	1,713.45	1,692.38	21.07	81.329		
4,549.50	4,470.26	0.00	0.00	22.43	0.00	159.85	316.60	-915.01	1,712.73	1,691.41	21.32	80.329		
4,600.00	4,519.76	0.00	0.00	22.68	0.00	159.85	316.60	-915.01	1,713.48	1,691.91	21.56	79.466		
4,700.00	4,617.76	0.00	0.00	23.18	0.00	159.85	316.60	-915.01	1,719.33	1,697.35	21.98	78.208		
4,800.00	4,715.76	0.00	0.00	23.68	0.00	159.85	316.60	-915.01	1,730.96	1,708.62	22.33	77.516		
4,900.00	4,813.77	24.27	24.27	24.18	0.05	159.90	316.56	-915.04	1,748.06	1,725.36	22.71	76.982		

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

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

Offset Design													Boomerang 21-5 - SRC Wiedeman 22-5-4NBHZ - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 39-MWD													Offset Well Error: 0.00 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,000.00	4,911.77	115.62	115.62	24.69	0.42	160.09	316.03	-915.57	1,766.92	1,743.39	23.52	75.118				
5,100.00	5,009.77	209.08	209.07	25.19	0.83	160.25	315.36	-916.67	1,786.16	1,761.78	24.38	73.254				
5,200.00	5,107.78	302.49	302.46	25.69	1.24	160.40	314.47	-918.19	1,805.63	1,780.38	25.25	71.524				
5,300.00	5,205.78	414.35	414.29	26.19	1.74	160.57	313.10	-920.09	1,825.02	1,798.79	26.23	69.574				
5,400.00	5,303.78	525.98	525.86	26.70	2.23	160.69	310.09	-922.00	1,843.54	1,816.33	27.22	67.730				
5,500.00	5,401.78	651.56	651.32	27.20	2.79	160.78	304.75	-923.83	1,860.91	1,832.61	28.30	65.757				
5,600.00	5,499.79	767.75	767.28	27.70	3.31	160.81	297.60	-925.54	1,877.16	1,847.84	29.32	64.013				
5,700.00	5,597.79	872.66	871.84	28.21	3.80	160.78	289.32	-927.56	1,892.71	1,862.43	30.29	62.496				
5,800.00	5,695.79	961.56	960.36	28.71	4.21	160.73	281.59	-929.93	1,908.37	1,877.22	31.15	61.264				
5,900.00	5,793.80	1,046.65	1,045.03	29.22	4.62	160.65	273.78	-933.28	1,924.71	1,892.72	31.99	60.158				
6,000.00	5,891.80	1,136.65	1,134.53	29.72	5.05	160.55	265.35	-937.66	1,941.68	1,908.81	32.88	59.060				
6,100.00	5,989.80	1,221.96	1,219.36	30.22	5.46	160.45	257.52	-942.10	1,959.04	1,925.32	33.73	58.085				
6,200.00	6,087.80	1,301.00	1,297.99	30.73	5.84	160.37	250.94	-946.67	1,977.36	1,942.83	34.53	57.265				
6,300.00	6,185.81	1,413.43	1,409.88	31.23	6.38	160.27	242.03	-953.07	1,995.87	1,960.29	35.58	56.103				
6,400.00	6,283.81	1,569.97	1,565.38	31.74	7.15	160.06	226.12	-961.45	2,012.93	1,975.98	36.94	54.487				
6,500.00	6,381.81	1,780.75	1,773.73	32.24	8.23	159.66	194.85	-966.63	2,024.04	1,985.39	38.65	52.364				
6,520.79	6,402.19	1,803.75	1,796.45	32.35	8.35	159.62	191.28	-966.71	2,026.07	1,987.20	38.87	52.126				
6,550.00	6,430.87	1,837.77	1,830.08	32.49	8.52	147.08	186.12	-966.63	2,028.33	1,989.15	39.18	51.768				
6,600.00	6,480.12	1,886.02	1,877.80	32.72	8.77	121.69	179.03	-966.24	2,029.66	1,990.01	39.65	51.191				
6,650.00	6,529.30	1,924.70	1,916.05	32.93	8.97	98.72	173.28	-966.18	2,028.12	1,988.08	40.05	50.646				
6,700.00	6,578.09	1,963.57	1,954.47	33.12	9.17	83.14	167.39	-966.47	2,023.80	1,983.37	40.42	50.065				
6,750.00	6,626.21	2,006.39	1,996.78	33.30	9.39	73.60	160.80	-967.09	2,016.65	1,975.83	40.81	49.412				
6,800.00	6,673.34	2,048.54	2,038.40	33.46	9.61	67.83	154.20	-967.94	2,006.68	1,965.50	41.18	48.731				
6,850.00	6,719.21	2,099.66	2,088.89	33.61	9.88	64.48	146.23	-969.01	1,993.87	1,952.29	41.59	47.947				
6,900.00	6,763.53	2,150.61	2,139.25	33.75	10.15	62.74	138.58	-969.66	1,978.19	1,936.21	41.98	47.127				
6,950.00	6,806.03	2,177.02	2,165.38	33.89	10.29	61.88	134.72	-970.02	1,960.04	1,917.85	42.20	46.449				
7,000.00	6,846.44	2,203.15	2,191.22	34.02	10.43	61.84	130.96	-970.60	1,939.80	1,897.39	42.41	45.740				
7,050.00	6,884.52	2,228.14	2,215.95	34.15	10.56	62.46	127.43	-971.36	1,917.61	1,875.00	42.61	45.005				
7,100.00	6,920.03	2,257.64	2,245.14	34.27	10.71	63.75	123.30	-972.49	1,893.60	1,850.75	42.84	44.198				
7,150.00	6,952.75	2,294.37	2,281.45	34.40	10.91	65.76	118.00	-974.05	1,867.73	1,824.59	43.14	43.294				
7,200.00	6,982.48	2,328.33	2,315.00	34.54	11.09	68.28	112.91	-975.61	1,840.20	1,796.76	43.44	42.364				
7,250.00	7,009.04	2,360.99	2,347.23	34.70	11.27	71.31	107.91	-977.17	1,811.25	1,767.50	43.75	41.397				
7,300.00	7,032.26	2,390.30	2,376.17	34.87	11.42	74.75	103.45	-978.44	1,781.14	1,737.07	44.08	40.409				
7,350.00	7,052.00	2,415.27	2,400.84	35.08	11.56	78.48	99.69	-979.42	1,750.18	1,705.77	44.41	39.405				
7,400.00	7,068.14	2,435.83	2,421.15	35.34	11.67	82.41	96.62	-980.15	1,718.68	1,673.91	44.77	38.389				
7,450.00	7,080.57	2,447.24	2,432.43	35.65	11.73	86.22	94.92	-980.57	1,686.97	1,641.85	45.12	37.390				
7,500.00	7,089.23	2,456.52	2,441.59	36.01	11.78	90.07	93.54	-980.93	1,655.34	1,609.83	45.51	36.372				
7,550.00	7,094.06	2,462.59	2,447.60	36.44	11.81	93.84	92.63	-981.17	1,624.06	1,578.11	45.95	35.347				
7,601.12	7,095.00	2,465.39	2,450.36	36.93	11.83	97.51	92.21	-981.28	1,592.71	1,546.28	46.43	34.302				
7,700.00	7,092.92	2,467.42	2,452.37	38.05	11.84	97.60	91.91	-981.36	1,534.88	1,487.34	47.54	32.285				
7,800.00	7,090.81	2,469.54	2,454.46	39.40	11.85	97.70	91.59	-981.45	1,480.82	1,431.90	48.92	30.271				
7,900.00	7,088.70	2,471.72	2,456.61	40.93	11.86	97.80	91.27	-981.54	1,431.71	1,381.15	50.55	28.321				
8,000.00	7,086.59	2,473.96	2,458.83	42.61	11.87	97.90	90.93	-981.63	1,388.07	1,335.64	52.43	26.474				
8,100.00	7,084.49	2,476.28	2,461.12	44.41	11.89	98.00	90.59	-981.73	1,350.43	1,295.91	54.52	24.769				
8,200.00	7,082.38	2,478.67	2,463.48	46.33	11.90	98.11	90.23	-981.83	1,319.31	1,262.54	56.78	23.236				
8,300.00	7,080.27	2,481.13	2,465.91	48.34	11.91	98.22	89.86	-981.94	1,295.18	1,236.04	59.14	21.900				
8,400.00	7,078.16	2,483.67	2,468.42	50.43	11.93	98.34	89.48	-982.05	1,278.44	1,216.90	61.54	20.775				
8,500.00	7,076.05	2,486.30	2,471.02	52.59	11.94	98.46	89.09	-982.16	1,269.36	1,205.47	63.89	19.867				
8,565.65	7,074.67	2,488.08	2,472.77	54.06	11.95	98.54	88.82	-982.24	1,267.67	1,202.28	65.39	19.386 CC				
8,600.00	7,073.94	2,489.02	2,473.70	54.82	11.96	98.58	88.68	-982.28	1,268.13	1,202.00	66.14	19.175 ES				
8,700.00	7,071.84	2,491.83	2,476.48	57.10	11.97	98.70	88.26	-982.41	1,274.76	1,206.56	68.20	18.691				
8,800.00	7,069.73	2,494.74	2,479.35	59.44	11.99	98.84	87.83	-982.54	1,289.13	1,219.08	70.04	18.404				

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,067.62	2,497.75	2,482.32	61.81	12.00	98.97	87.38	-982.68	1,310.98	1,239.35	71.63	18.301 SF		
9,000.00	7,065.51	2,500.86	2,485.40	64.23	12.02	99.11	86.91	-982.82	1,339.96	1,267.00	72.96	18.367		
9,100.00	7,063.40	2,504.10	2,488.60	66.68	12.04	99.26	86.43	-982.97	1,375.60	1,301.58	74.02	18.585		
9,200.00	7,061.29	2,507.45	2,491.91	69.15	12.05	99.41	85.93	-983.13	1,417.41	1,342.57	74.83	18.941		
9,300.00	7,059.18	2,510.93	2,495.34	71.66	12.07	99.57	85.40	-983.29	1,464.85	1,389.42	75.43	19.421		
9,400.00	7,057.08	2,514.54	2,498.91	74.19	12.09	99.73	84.86	-983.47	1,517.40	1,441.58	75.83	20.011		
9,500.00	7,054.97	2,518.30	2,502.62	76.75	12.11	99.90	84.30	-983.65	1,574.55	1,498.48	76.07	20.699		
9,600.00	7,052.86	2,522.21	2,506.48	79.32	12.13	100.08	83.71	-983.84	1,635.82	1,559.64	76.17	21.475		
9,700.00	7,050.75	2,526.28	2,510.50	81.91	12.16	100.26	83.10	-984.05	1,700.75	1,624.58	76.17	22.328		
9,800.00	7,048.64	2,530.52	2,514.69	84.52	12.18	100.45	82.47	-984.26	1,768.95	1,692.86	76.08	23.250		
9,900.00	7,046.53	2,534.94	2,519.06	87.14	12.20	100.65	81.80	-984.49	1,840.04	1,764.11	75.93	24.233		
10,000.00	7,044.43	2,539.56	2,523.62	89.78	12.23	100.86	81.11	-984.73	1,913.72	1,837.99	75.73	25.271		
10,100.00	7,042.32	2,544.39	2,528.38	92.43	12.25	101.08	80.39	-984.99	1,989.69	1,914.20	75.49	26.357		
10,200.00	7,040.21	2,549.08	2,524.13	95.09	12.23	100.88	81.04	-984.74	2,067.73	1,992.51	75.22	27.488		
10,300.00	7,038.10	2,542.74	2,526.76	97.76	12.24	101.00	80.64	-984.87	2,147.57	2,072.63	74.94	28.657		
10,400.00	7,035.99	2,545.37	2,529.35	100.44	12.26	101.12	80.25	-985.00	2,229.03	2,154.38	74.65	29.860		
10,500.00	7,033.88	2,547.96	2,531.91	103.13	12.27	101.24	79.87	-985.12	2,311.94	2,237.59	74.35	31.095		
10,600.00	7,031.78	2,550.51	2,534.43	105.82	12.29	101.35	79.49	-985.25	2,396.16	2,322.10	74.05	32.357		
10,700.00	7,029.67	2,553.03	2,536.92	108.53	12.30	101.47	79.11	-985.37	2,481.54	2,407.78	73.76	33.645		
10,800.00	7,027.56	2,555.52	2,539.38	111.24	12.31	101.58	78.74	-985.49	2,567.98	2,494.51	73.47	34.955		
10,900.00	7,025.45	2,557.97	2,541.80	113.96	12.33	101.69	78.38	-985.61	2,655.36	2,582.18	73.18	36.285		
11,000.00	7,023.34	2,560.39	2,544.19	116.68	12.34	101.80	78.02	-985.72	2,743.60	2,670.70	72.90	37.634		
11,100.00	7,021.23	2,562.78	2,546.55	119.41	12.35	101.91	77.67	-985.83	2,832.63	2,759.99	72.63	38.999		
11,200.00	7,019.13	2,565.14	2,548.88	122.15	12.36	102.01	77.32	-985.95	2,922.36	2,849.98	72.37	40.379		
11,300.00	7,017.02	2,567.46	2,551.18	124.89	12.38	102.12	76.97	-986.06	3,012.73	2,940.61	72.12	41.772		
11,400.00	7,014.91	2,569.76	2,553.45	127.63	12.39	102.22	76.64	-986.16	3,103.70	3,031.82	71.88	43.178		
11,500.00	7,012.80	2,572.03	2,555.69	130.38	12.40	102.32	76.30	-986.27	3,195.20	3,123.55	71.65	44.594		
11,600.00	7,010.69	2,574.27	2,557.90	133.14	12.41	102.42	75.97	-986.37	3,287.19	3,215.76	71.43	46.021		
11,700.00	7,008.58	2,576.48	2,560.08	135.89	12.43	102.52	75.64	-986.48	3,379.64	3,308.42	71.22	47.456		
11,800.00	7,006.47	2,578.66	2,562.24	138.65	12.44	102.62	75.32	-986.58	3,472.50	3,401.49	71.01	48.900		
11,900.00	7,004.37	2,580.81	2,564.37	141.42	12.45	102.72	75.01	-986.68	3,565.75	3,494.93	70.82	50.351		
12,000.00	7,002.26	2,582.94	2,566.47	144.19	12.46	102.81	74.69	-986.77	3,659.36	3,588.72	70.63	51.808		
12,100.00	7,000.15	2,585.04	2,568.55	146.96	12.47	102.91	74.38	-986.87	3,753.29	3,682.83	70.46	53.271		
12,200.00	6,998.04	2,587.12	2,570.60	149.73	12.48	103.00	74.08	-986.96	3,847.52	3,777.24	70.29	54.740		
12,300.00	6,995.93	2,589.17	2,572.63	152.51	12.49	103.09	73.78	-987.06	3,942.04	3,871.91	70.13	56.213		
12,400.00	6,993.82	2,591.20	2,574.63	155.28	12.51	103.18	73.48	-987.15	4,036.82	3,966.85	69.97	57.691		
12,500.00	6,991.72	2,593.20	2,576.61	158.06	12.52	103.27	73.19	-987.24	4,131.85	4,062.02	69.83	59.172		
12,600.00	6,989.61	2,595.18	2,578.56	160.85	12.53	103.36	72.90	-987.33	4,227.10	4,157.41	69.69	60.656		
12,700.00	6,987.50	2,597.00	2,580.50	163.63	12.54	103.45	72.61	-987.42	4,322.53	4,252.84	69.55	62.145		
12,800.00	6,985.39	2,598.80	2,582.40	166.42	12.55	103.54	72.32	-987.51	4,418.16	4,348.47	69.41	63.639		
12,900.00	6,983.28	2,599.00	2,582.00	169.21	12.56	103.63	72.03	-987.60	4,513.97	4,444.30	69.27	65.137		
13,000.00	6,981.17	2,599.00	2,581.00	172.00	12.57	103.72	71.74	-987.69	4,609.95	4,540.32	69.13	66.639		
13,100.00	6,979.07	2,599.00	2,580.00	174.79	12.58	103.81	71.45	-987.78	4,706.10	4,636.45	69.00	68.145		
13,200.00	6,976.96	2,599.00	2,579.00	177.59	12.59	103.90	71.16	-987.87	4,802.40	4,732.68	68.87	69.655		
13,300.00	6,974.85	2,599.00	2,578.00	180.38	12.60	103.99	70.87	-987.96	4,898.85	4,828.99	68.74	71.169		
13,400.00	6,972.74	2,599.00	2,577.00	183.18	12.61	104.08	70.58	-988.05	4,995.43	4,925.30	68.62	72.686		
13,500.00	6,970.63	2,599.00	2,576.00	185.98	12.62	104.17	70.29	-988.14	5,092.13	5,021.62	68.50	74.205		
13,600.00	6,968.52	2,599.00	2,575.00	188.78	12.63	104.26	70.00	-988.23	5,188.92	5,117.41	68.38	75.727		
13,700.00	6,966.41	2,599.00	2,574.00	191.58	12.64	104.35	69.71	-988.32	5,285.82	5,213.30	68.26	77.252		
13,800.00	6,964.31	2,599.00	2,573.00	194.39	12.65	104.44	69.42	-988.41	5,382.83	5,309.31	68.14	78.780		
13,900.00	6,962.20	2,599.00	2,572.00	197.19	12.66	104.53	69.13	-988.50	5,479.95	5,405.43	68.02	80.311		
14,000.00	6,960.09	2,599.00	2,571.00	200.00	12.67	104.62	68.84	-988.59	5,577.17	5,502.65	67.90	81.846		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	
14,100.00	6,957.98	2,757.73	2,738.98	202.80	13.41	110.54	48.44	-996.70	5,674.48	5,605.98	68.50	82.837	
14,200.00	6,955.87	2,760.32	2,741.53	205.61	13.43	110.65	48.05	-996.86	5,771.88	5,703.43	68.45	84.322	
14,300.00	6,953.76	2,762.86	2,744.04	208.42	13.44	110.76	47.65	-997.02	5,869.37	5,800.96	68.40	85.805	
14,400.00	6,951.66	2,765.36	2,746.51	211.23	13.45	110.87	47.27	-997.18	5,966.93	5,898.57	68.36	87.288	
14,500.00	6,949.55	2,767.83	2,748.94	214.04	13.47	110.97	46.89	-997.34	6,064.58	5,996.26	68.32	88.769	
14,600.00	6,947.44	2,770.25	2,751.33	216.85	13.48	111.08	46.52	-997.49	6,162.30	6,094.02	68.28	90.248	
14,700.00	6,945.33	2,772.64	2,753.68	219.66	13.49	111.18	46.15	-997.64	6,260.09	6,191.84	68.25	91.726	
14,800.00	6,943.22	2,774.99	2,756.00	222.48	13.51	111.28	45.79	-997.79	6,357.94	6,289.73	68.22	93.202	
14,900.00	6,941.11	2,777.31	2,758.29	225.29	13.52	111.38	45.43	-997.93	6,455.86	6,387.67	68.19	94.677	
15,000.00	6,939.01	2,779.59	2,760.54	228.11	13.53	111.48	45.08	-998.08	6,553.84	6,485.68	68.16	96.149	
15,100.00	6,936.90	2,781.84	2,762.76	230.92	13.54	111.57	44.74	-998.21	6,651.88	6,583.74	68.14	97.619	
15,200.00	6,934.79	2,784.06	2,764.94	233.74	13.56	111.67	44.40	-998.35	6,749.98	6,681.86	68.12	99.087	
15,300.00	6,932.68	2,786.24	2,767.09	236.56	13.57	111.76	44.06	-998.48	6,848.13	6,780.02	68.10	100.553	
15,400.00	6,930.57	2,788.39	2,769.21	239.37	13.58	111.85	43.73	-998.61	6,946.33	6,878.24	68.09	102.017	
15,500.00	6,928.46	2,790.51	2,771.31	242.19	13.59	111.95	43.40	-998.74	7,044.58	6,976.50	68.08	103.478	
15,521.99	6,928.00	2,790.97	2,771.76	242.81	13.59	111.97	43.33	-998.77	7,066.19	6,998.11	68.08	103.799	

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-69.44	346.84	-924.47	988.09					
100.00	100.00	58.89	58.89	3.28	3.29	-69.44	346.87	-924.55	987.49	980.92	6.57	150.246	CC, ES	
200.00	200.00	150.15	150.15	3.34	3.34	-69.43	347.16	-925.28	988.35	981.67	6.68	148.010		
300.00	299.98	260.51	260.50	3.44	3.46	143.96	347.20	-926.29	990.64	983.74	6.90	143.549		
400.00	399.84	348.95	348.92	3.59	3.60	143.95	345.83	-927.68	995.78	988.59	7.20	138.375		
500.00	499.45	437.23	437.09	3.79	3.78	143.88	342.83	-930.67	1,004.80	997.22	7.58	132.589		
600.00	598.70	516.97	516.57	4.04	3.97	143.72	338.42	-935.30	1,018.12	1,010.10	8.02	126.911		
700.00	697.47	593.33	592.37	4.32	4.19	143.44	332.22	-942.12	1,036.22	1,027.69	8.53	121.514		
773.50	769.68	655.09	653.38	4.55	4.39	143.15	325.86	-949.26	1,052.48	1,043.53	8.95	117.561		
800.00	795.65	678.75	676.72	4.64	4.47	143.12	323.28	-952.15	1,058.73	1,049.61	9.12	116.112		
900.00	893.65	788.14	784.53	5.00	4.88	142.92	310.41	-965.53	1,082.03	1,072.19	9.83	110.022		
1,000.00	991.65	892.99	887.70	5.38	5.31	142.65	296.35	-977.78	1,104.28	1,093.67	10.61	104.111		
1,100.00	1,089.66	1,090.73	1,081.48	5.78	6.22	141.87	260.93	-993.97	1,121.87	1,109.98	11.89	94.353		
1,200.00	1,187.66	1,217.60	1,204.71	6.20	6.87	141.15	231.10	-998.40	1,133.18	1,120.25	12.94	87.588		
1,300.00	1,285.66	1,356.84	1,339.28	6.63	7.62	140.27	195.48	-1,000.60	1,142.33	1,128.22	14.11	80.940		
1,400.00	1,383.67	1,450.43	1,429.42	7.07	8.15	139.65	170.31	-1,000.98	1,150.11	1,135.03	15.08	76.266		
1,500.00	1,481.67	1,541.30	1,517.04	7.51	8.69	139.06	146.23	-1,001.65	1,158.49	1,142.43	16.06	72.154		
1,600.00	1,579.67	1,629.22	1,601.98	7.97	9.22	138.53	123.60	-1,003.10	1,168.05	1,151.02	17.03	68.602		
1,700.00	1,677.67	1,729.93	1,699.66	8.43	9.82	137.99	99.10	-1,004.60	1,177.98	1,159.90	18.08	65.155		
1,800.00	1,775.68	1,830.58	1,797.36	8.90	10.43	137.49	74.98	-1,005.83	1,187.84	1,168.70	19.14	62.061		
1,900.00	1,873.68	1,904.45	1,869.17	9.37	10.88	137.14	57.70	-1,006.95	1,198.35	1,178.32	20.03	59.819		
2,000.00	1,971.68	1,964.99	1,928.38	9.84	11.23	136.93	45.32	-1,009.51	1,212.04	1,191.22	20.82	58.211		
2,100.00	2,069.69	2,044.00	2,006.17	10.32	11.67	136.78	32.30	-1,013.92	1,228.07	1,206.38	21.69	56.610		
2,200.00	2,167.69	2,183.45	2,144.38	10.80	12.36	136.81	14.23	-1,017.36	1,241.46	1,218.58	22.88	54.265		
2,300.00	2,265.69	2,267.45	2,228.05	11.28	12.73	137.00	7.00	-1,019.00	1,255.86	1,232.16	23.70	52.982		
2,400.00	2,363.69	2,365.69	2,326.10	11.77	13.14	137.33	1.18	-1,020.52	1,270.61	1,246.04	24.57	51.709		
2,500.00	2,461.70	2,464.64	2,424.99	12.25	13.52	137.79	-1.98	-1,021.39	1,285.45	1,260.04	25.41	50.581		
2,600.00	2,559.70	2,562.43	2,522.78	12.74	13.88	138.32	-3.06	-1,021.65	1,300.35	1,274.12	26.23	49.574		
2,700.00	2,657.70	2,658.17	2,618.52	13.23	14.21	138.88	-2.96	-1,021.69	1,315.46	1,288.45	27.01	48.704		
2,800.00	2,755.71	2,751.70	2,712.03	13.72	14.49	139.49	-1.35	-1,021.54	1,330.97	1,303.22	27.75	47.965		
2,900.00	2,853.71	2,838.84	2,799.14	14.21	14.76	140.06	0.78	-1,021.71	1,347.18	1,318.72	28.46	47.337		
3,000.00	2,951.71	2,937.32	2,897.58	14.70	15.07	140.70	3.56	-1,022.10	1,363.85	1,334.63	29.23	46.666		
3,100.00	3,049.71	3,025.58	2,985.81	15.20	15.36	141.25	5.81	-1,022.87	1,381.03	1,351.08	29.95	46.108		
3,200.00	3,147.72	3,120.43	3,080.62	15.69	15.67	141.80	7.96	-1,024.23	1,398.80	1,368.08	30.72	45.534		
3,300.00	3,245.72	3,219.82	3,179.94	16.19	16.00	142.43	11.54	-1,025.07	1,416.60	1,385.09	31.51	44.963		
3,400.00	3,343.72	3,312.26	3,272.30	16.69	16.31	143.01	15.16	-1,026.00	1,434.80	1,402.55	32.26	44.481		
3,500.00	3,441.73	3,432.63	3,392.61	17.18	16.71	143.72	19.03	-1,027.07	1,452.90	1,419.74	33.16	43.812		
3,600.00	3,539.73	3,534.18	3,494.11	17.68	17.06	144.32	22.21	-1,026.27	1,469.49	1,435.52	33.97	43.258		
3,700.00	3,637.73	3,628.80	3,588.69	18.18	17.39	144.85	24.78	-1,025.98	1,486.53	1,451.78	34.75	42.778		
3,800.00	3,735.73	3,724.09	3,683.95	18.68	17.72	145.35	27.14	-1,025.93	1,503.84	1,468.30	35.54	42.316		
3,900.00	3,833.74	3,838.48	3,798.30	19.18	18.13	145.95	29.90	-1,025.28	1,520.76	1,484.33	36.43	41.742		
4,000.00	3,931.74	3,940.00	3,899.79	19.67	18.50	146.48	32.30	-1,023.99	1,537.16	1,499.90	37.26	41.257		
4,100.00	4,029.74	4,032.03	3,991.78	20.17	18.83	146.96	34.60	-1,022.68	1,553.61	1,515.58	38.04	40.846		
4,200.00	4,127.75	4,115.30	4,075.01	20.67	19.13	147.38	36.98	-1,022.14	1,571.00	1,532.23	38.77	40.525		
4,300.00	4,225.75	4,207.13	4,166.80	21.18	19.47	147.84	39.85	-1,022.11	1,589.14	1,549.60	39.55	40.185		
4,400.00	4,323.75	4,320.64	4,280.24	21.68	19.88	148.40	43.72	-1,021.66	1,607.24	1,566.79	40.45	39.731		
4,500.00	4,421.76	4,425.19	4,384.72	22.18	20.27	148.93	47.13	-1,020.02	1,624.31	1,583.01	41.31	39.322		
4,600.00	4,519.76	4,515.05	4,474.54	22.68	20.61	149.35	49.61	-1,019.00	1,641.69	1,599.61	42.08	39.010		
4,700.00	4,617.76	4,609.72	4,569.18	23.18	20.97	149.77	51.98	-1,018.49	1,659.55	1,616.66	42.89	38.691		
4,800.00	4,715.76	4,703.64	4,663.08	23.68	21.33	150.16	54.00	-1,018.31	1,677.65	1,633.95	43.70	38.389		
4,900.00	4,813.77	4,788.45	4,747.88	24.18	21.66	150.49	55.66	-1,018.68	1,696.30	1,651.84	44.46	38.156		
5,000.00	4,911.77	4,911.43	4,870.83	24.69	22.14	150.97	58.08	-1,018.90	1,714.83	1,669.37	45.45	37.726		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,033.82	4,993.19	25.19	22.61	151.45	59.98	-1,017.14	1,731.80	1,685.36	46.44	37.293		
5,200.00	5,107.78	5,134.08	5,093.41	25.69	23.00	151.85	61.42	-1,014.78	1,748.01	1,700.73	47.29	36.965		
5,300.00	5,205.78	5,225.38	5,184.70	26.19	23.36	152.17	62.01	-1,013.29	1,764.55	1,716.46	48.09	36.690		
5,400.00	5,303.77	5,302.77	5,262.08	26.70	23.67	152.42	62.35	-1,012.72	1,781.84	1,733.02	48.82	36.501		
5,500.00	5,401.78	5,484.80	5,444.07	27.20	24.41	152.98	61.55	-1,010.34	1,798.84	1,748.68	50.16	35.862		
5,600.00	5,499.79	5,588.38	5,547.52	27.70	24.83	153.27	58.84	-1,005.92	1,811.66	1,760.62	51.05	35.489		
5,700.00	5,597.79	5,647.84	5,606.93	28.21	25.08	153.44	57.81	-1,003.91	1,825.82	1,774.13	51.70	35.319		
5,800.00	5,695.79	5,707.43	5,666.52	28.71	25.32	153.63	58.05	-1,002.89	1,842.37	1,790.05	52.32	35.217		
5,900.00	5,793.80	5,782.00	5,741.07	29.22	25.61	153.88	59.11	-1,002.15	1,860.23	1,807.22	53.01	35.091		
6,000.00	5,891.80	5,854.65	5,813.70	29.72	25.90	154.13	61.01	-1,002.01	1,879.42	1,825.74	53.68	35.009		
6,100.00	5,989.80	5,913.03	5,872.02	30.22	26.13	154.34	63.40	-1,002.70	1,900.53	1,846.29	54.24	35.041		
6,200.00	6,087.80	5,977.37	5,936.24	30.73	26.39	154.56	66.65	-1,004.77	1,923.74	1,868.93	54.82	35.094		
6,300.00	6,185.81	6,196.45	6,155.12	31.23	27.27	155.27	74.28	-1,007.77	1,945.03	1,888.47	56.56	34.390		
6,400.00	6,283.81	6,286.61	6,245.27	31.74	27.63	155.51	74.62	-1,007.11	1,962.78	1,905.42	57.37	34.216		
6,500.00	6,381.81	6,363.52	6,322.18	32.24	27.95	155.71	75.28	-1,007.24	1,981.56	1,923.48	58.08	34.117		
6,520.79	6,402.19	6,379.57	6,338.22	32.35	28.01	155.75	75.53	-1,007.33	1,985.60	1,927.37	58.23	34.099		
6,550.00	6,430.87	6,402.00	6,360.65	32.49	28.11	143.17	75.93	-1,007.47	1,990.81	1,932.37	58.44	34.069		
6,600.00	6,480.12	6,442.29	6,400.93	32.72	28.27	117.68	76.83	-1,007.79	1,997.38	1,938.59	58.79	33.975		
6,650.00	6,529.30	6,482.34	6,440.97	32.93	28.43	94.61	77.92	-1,008.19	2,000.98	1,941.85	59.13	33.842		
6,700.00	6,578.09	6,578.21	6,536.81	33.12	28.82	79.31	80.00	-1,008.63	2,001.11	1,941.26	59.85	33.437		
6,750.00	6,626.21	6,654.13	6,612.72	33.30	29.14	70.00	80.30	-1,007.97	1,996.98	1,936.59	60.39	33.067		
6,800.00	6,673.34	6,694.59	6,653.18	33.46	29.30	64.19	80.16	-1,007.45	1,989.46	1,928.77	60.69	32.782		
6,850.00	6,719.21	6,723.06	6,681.64	33.61	29.42	60.56	80.16	-1,007.31	1,979.34	1,918.45	60.89	32.508		
6,900.00	6,763.53	6,750.71	6,709.30	33.75	29.53	58.42	80.26	-1,007.39	1,966.73	1,905.67	61.06	32.208		
6,950.00	6,806.03	6,786.88	6,745.47	33.89	29.68	57.46	80.52	-1,007.71	1,951.67	1,890.38	61.29	31.844		
7,000.00	6,846.44	6,827.84	6,786.42	34.02	29.85	57.41	80.94	-1,008.02	1,934.04	1,872.49	61.55	31.424		
7,050.00	6,884.52	6,868.85	6,827.43	34.15	30.02	58.09	81.43	-1,008.24	1,913.97	1,852.17	61.81	30.968		
7,100.00	6,920.03	6,911.79	6,870.37	34.27	30.20	59.45	81.66	-1,008.53	1,891.58	1,829.49	62.09	30.466		
7,150.00	6,952.75	6,951.71	6,910.29	34.40	30.37	61.34	81.55	-1,008.87	1,867.05	1,804.68	62.36	29.939		
7,200.00	6,982.48	6,975.80	6,934.38	34.54	30.47	63.39	81.45	-1,009.13	1,840.76	1,778.22	62.54	29.431		
7,250.00	7,009.04	6,999.65	6,958.22	34.70	30.57	65.91	81.35	-1,009.42	1,812.98	1,750.23	62.75	28.891		
7,300.00	7,032.26	7,020.69	6,979.26	34.87	30.66	68.79	81.28	-1,009.72	1,783.95	1,720.97	62.98	28.326		
7,350.00	7,052.00	7,038.38	6,996.95	35.08	30.73	71.96	81.24	-1,009.99	1,753.90	1,690.68	63.23	27.740		
7,400.00	7,068.14	7,052.64	7,011.20	35.34	30.79	75.37	81.24	-1,010.21	1,723.10	1,659.60	63.50	27.134		
7,450.00	7,080.57	7,063.77	7,022.34	35.65	30.84	78.95	81.25	-1,010.39	1,691.78	1,627.97	63.81	26.511		
7,500.00	7,089.23	7,071.73	7,030.29	36.01	30.87	82.61	81.28	-1,010.51	1,660.19	1,596.02	64.17	25.872		
7,550.00	7,094.06	7,076.46	7,035.02	36.44	30.89	86.29	81.29	-1,010.58	1,628.57	1,564.01	64.57	25.223		
7,601.12	7,095.00	7,077.92	7,036.49	36.93	30.90	89.98	81.30	-1,010.61	1,596.46	1,531.44	65.02	24.553		
7,700.00	7,092.92	7,077.47	7,036.03	38.05	30.89	89.96	81.30	-1,010.60	1,536.65	1,470.57	66.07	23.257		
7,800.00	7,090.81	7,077.00	7,035.57	39.40	30.89	89.93	81.30	-1,010.59	1,480.42	1,413.02	67.40	21.964		
7,900.00	7,088.70	7,076.54	7,035.10	40.93	30.89	89.91	81.29	-1,010.59	1,428.99	1,359.98	69.00	20.709		
8,000.00	7,086.59	7,076.08	7,034.64	42.61	30.89	89.89	81.29	-1,010.58	1,382.88	1,312.01	70.87	19.513		
8,100.00	7,084.49	7,075.62	7,034.18	44.41	30.89	89.87	81.29	-1,010.57	1,342.66	1,269.68	72.97	18.399		
8,200.00	7,082.38	7,075.15	7,033.72	46.33	30.89	89.85	81.29	-1,010.56	1,308.85	1,233.58	75.27	17.389		
8,300.00	7,080.27	7,074.69	7,033.25	48.34	30.88	89.83	81.29	-1,010.56	1,281.97	1,204.27	77.70	16.499		
8,400.00	7,078.16	7,074.23	7,032.79	50.43	30.88	89.81	81.29	-1,010.55	1,262.46	1,182.27	80.19	15.743		
8,500.00	7,076.05	7,073.76	7,032.33	52.59	30.88	89.79	81.28	-1,010.54	1,250.67	1,168.01	82.66	15.130		
8,598.21	7,073.98	7,073.31	7,031.87	54.78	30.88	89.77	81.28	-1,010.53	1,246.80	1,161.81	84.99	14.670		
8,600.00	7,073.94	7,073.30	7,031.86	54.82	30.88	89.76	81.28	-1,010.53	1,246.81	1,161.77	85.03	14.663		
8,700.00	7,071.84	7,072.84	7,031.40	57.10	30.88	89.74	81.28	-1,010.53	1,250.95	1,163.72	87.23	14.340		
8,800.00	7,069.73	7,072.37	7,030.93	59.44	30.87	89.72	81.28	-1,010.52	1,263.03	1,173.82	89.21	14.159		
8,900.00	7,067.62	7,071.91	7,030.47	61.81	30.87	89.70	81.28	-1,010.51	1,282.81	1,191.89	90.91	14.110 SF		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,065.51	7,071.44	7,030.01	64.23	30.87	89.68	81.28	-1,010.51	1,309.94	1,217.60	92.34	14.186		
9,100.00	7,063.40	7,070.98	7,029.54	66.68	30.87	89.66	81.27	-1,010.50	1,343.99	1,250.50	93.49	14.376		
9,200.00	7,061.29	7,070.52	7,029.08	69.15	30.87	89.64	81.27	-1,010.49	1,384.44	1,290.07	94.37	14.671		
9,300.00	7,059.18	7,070.05	7,028.62	71.66	30.86	89.62	81.27	-1,010.48	1,430.74	1,335.74	95.00	15.060		
9,400.00	7,057.08	7,069.59	7,028.15	74.19	30.86	89.59	81.27	-1,010.48	1,482.35	1,386.92	95.43	15.533		
9,500.00	7,054.97	7,069.12	7,027.69	76.75	30.86	89.57	81.27	-1,010.47	1,538.74	1,443.06	95.68	16.081		
9,600.00	7,052.86	7,068.66	7,027.22	79.32	30.86	89.55	81.27	-1,010.46	1,599.40	1,503.61	95.79	16.697		
9,700.00	7,050.75	7,068.19	7,026.76	81.91	30.86	89.53	81.26	-1,010.45	1,663.86	1,568.08	95.78	17.372		
9,800.00	7,048.64	7,067.73	7,026.29	84.52	30.85	89.51	81.26	-1,010.45	1,731.70	1,636.03	95.67	18.100		
9,900.00	7,046.53	7,067.26	7,025.83	87.14	30.85	89.49	81.26	-1,010.44	1,802.54	1,707.04	95.50	18.875		
10,000.00	7,044.43	7,066.80	7,025.36	89.78	30.85	89.47	81.26	-1,010.43	1,876.03	1,780.76	95.27	19.692		
10,100.00	7,042.32	7,066.33	7,024.90	92.43	30.85	89.44	81.26	-1,010.43	1,951.88	1,856.88	95.00	20.546		
10,200.00	7,040.21	7,065.87	7,024.43	95.09	30.85	89.42	81.26	-1,010.42	2,029.82	1,935.12	94.71	21.432		
10,300.00	7,038.10	7,065.40	7,023.97	97.76	30.84	89.40	81.26	-1,010.41	2,109.63	2,015.23	94.40	22.348		
10,400.00	7,035.99	7,064.94	7,023.50	100.44	30.84	89.38	81.26	-1,010.40	2,191.09	2,097.02	94.08	23.291		
10,500.00	7,033.88	7,064.47	7,023.04	103.13	30.84	89.36	81.25	-1,010.40	2,274.03	2,180.29	93.75	24.257		
10,600.00	7,031.78	7,064.01	7,022.57	105.82	30.84	89.34	81.25	-1,010.39	2,358.30	2,264.88	93.42	25.243		
10,700.00	7,029.67	7,063.54	7,022.11	108.53	30.84	89.32	81.25	-1,010.38	2,443.75	2,350.65	93.10	26.249		
10,800.00	7,027.56	7,063.08	7,021.64	111.24	30.83	89.29	81.25	-1,010.37	2,530.27	2,437.49	92.78	27.272		
10,900.00	7,025.45	7,062.61	7,021.17	113.96	30.83	89.27	81.25	-1,010.37	2,617.75	2,525.28	92.47	28.309		
11,000.00	7,023.34	7,062.14	7,020.71	116.68	30.83	89.25	81.25	-1,010.36	2,706.10	2,613.93	92.17	29.361		
11,100.00	7,021.23	7,061.68	7,020.24	119.41	30.83	89.23	81.25	-1,010.35	2,795.23	2,703.36	91.87	30.424		
11,200.00	7,019.13	7,061.21	7,019.78	122.15	30.83	89.21	81.25	-1,010.35	2,885.07	2,793.48	91.59	31.499		
11,300.00	7,017.02	7,060.74	7,019.31	124.89	30.83	89.19	81.25	-1,010.34	2,975.57	2,884.25	91.32	32.584		
11,400.00	7,014.91	7,060.28	7,018.84	127.63	30.82	89.17	81.25	-1,010.33	3,066.65	2,975.59	91.06	33.678		
11,500.00	7,012.80	7,059.81	7,018.38	130.38	30.82	89.14	81.25	-1,010.32	3,158.27	3,067.47	90.81	34.781		
11,600.00	7,010.69	7,059.35	7,017.91	133.14	30.82	89.12	81.24	-1,010.32	3,250.39	3,159.83	90.56	35.891		
11,700.00	7,008.58	7,058.88	7,017.44	135.89	30.82	89.10	81.24	-1,010.31	3,342.96	3,252.63	90.33	37.007		
11,800.00	7,006.47	7,058.41	7,016.98	138.65	30.82	89.08	81.24	-1,010.30	3,435.94	3,345.83	90.11	38.130		
11,900.00	7,004.37	7,057.95	7,016.51	141.42	30.81	89.06	81.24	-1,010.29	3,529.31	3,439.41	89.90	39.258		
12,000.00	7,002.26	7,057.48	7,016.04	144.19	30.81	89.04	81.24	-1,010.29	3,623.04	3,533.34	89.70	40.392		
12,100.00	7,000.15	7,057.01	7,015.58	146.96	30.81	89.02	81.24	-1,010.28	3,717.09	3,627.58	89.50	41.530		
12,200.00	6,998.04	7,056.54	7,015.11	149.73	30.81	88.99	81.24	-1,010.27	3,811.44	3,722.12	89.32	42.672		
12,300.00	6,995.93	7,056.08	7,014.64	152.51	30.81	88.97	81.24	-1,010.27	3,906.07	3,816.93	89.14	43.817		
12,400.00	6,993.82	7,055.61	7,014.17	155.28	30.80	88.95	81.24	-1,010.26	4,000.97	3,911.99	88.98	44.966		
12,500.00	6,991.72	7,055.14	7,013.71	158.06	30.80	88.93	81.24	-1,010.25	4,096.11	4,007.29	88.82	46.119		
12,600.00	6,989.61	7,054.67	7,013.24	160.85	30.80	88.91	81.24	-1,010.24	4,191.47	4,102.81	88.66	47.273		
12,700.00	6,987.50	7,054.21	7,012.77	163.63	30.80	88.89	81.24	-1,010.24	4,287.05	4,198.53	88.52	48.430		
12,800.00	6,985.39	7,053.74	7,012.30	166.42	30.80	88.87	81.24	-1,010.23	4,382.82	4,294.44	88.38	49.590		
12,900.00	6,983.28	7,053.27	7,011.84	169.21	30.79	88.84	81.24	-1,010.22	4,478.78	4,390.53	88.25	50.751		
13,000.00	6,981.17	7,052.80	7,011.37	172.00	30.79	88.82	81.24	-1,010.21	4,574.91	4,486.78	88.12	51.914		
13,100.00	6,979.07	7,052.33	7,010.90	174.79	30.79	88.80	81.24	-1,010.21	4,671.20	4,583.19	88.01	53.078		
13,200.00	6,976.96	7,051.87	7,010.43	177.59	30.79	88.78	81.24	-1,010.20	4,767.65	4,679.75	87.89	54.244		
13,300.00	6,974.85	7,051.40	7,009.96	180.38	30.79	88.76	81.24	-1,010.19	4,864.23	4,776.45	87.79	55.410		
13,400.00	6,972.74	7,050.93	7,009.49	183.18	30.78	88.74	81.24	-1,010.18	4,960.96	4,873.28	87.68	56.578		
13,500.00	6,970.63	7,050.46	7,009.03	185.98	30.78	88.72	81.24	-1,010.18	5,057.81	4,970.22	87.59	57.746		
13,600.00	6,968.52	7,049.99	7,008.56	188.78	30.78	88.69	81.24	-1,010.17	5,154.78	5,067.29	87.50	58.915		
13,700.00	6,966.41	7,049.52	7,008.09	191.58	30.78	88.67	81.24	-1,010.16	5,251.87	5,164.46	87.41	60.084		
13,800.00	6,964.31	7,049.05	7,007.62	194.39	30.78	88.65	81.24	-1,010.16	5,349.06	5,261.73	87.33	61.254		
13,900.00	6,962.20	7,048.58	7,007.15	197.19	30.77	88.63	81.23	-1,010.15	5,446.35	5,359.11	87.25	62.423		
14,000.00	6,960.09	7,048.12	7,006.68	200.00	30.77	88.61	81.23	-1,010.14	5,543.74	5,456.57	87.18	63.593		
14,100.00	6,957.98	7,047.65	7,006.21	202.80	30.77	88.59	81.23	-1,010.13	5,641.23	5,554.12	87.11	64.763		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,955.87	7,047.18	7,005.74	205.61	30.77	88.56	81.24	-1,010.13	5,738.79	5,651.75	87.04	65.932		
14,300.00	6,953.76	7,046.71	7,005.27	208.42	30.77	88.54	81.24	-1,010.12	5,836.45	5,749.47	86.98	67.102		
14,400.00	6,951.66	7,046.24	7,004.80	211.23	30.76	88.52	81.24	-1,010.11	5,934.17	5,847.25	86.92	68.270		
14,500.00	6,949.55	7,045.77	7,004.34	214.04	30.76	88.50	81.24	-1,010.10	6,031.98	5,945.11	86.87	69.439		
14,600.00	6,947.44	7,045.30	7,003.87	216.85	30.76	88.48	81.24	-1,010.10	6,129.85	6,043.03	86.82	70.607		
14,700.00	6,945.33	7,044.83	7,003.40	219.66	30.76	88.46	81.24	-1,010.09	6,227.79	6,141.02	86.77	71.774		
14,800.00	6,943.22	7,044.36	7,002.93	222.48	30.76	88.44	81.24	-1,010.08	6,325.80	6,239.07	86.73	72.940		
14,900.00	6,941.11	7,043.89	7,002.46	225.29	30.75	88.41	81.24	-1,010.08	6,423.87	6,337.18	86.69	74.106		
15,000.00	6,939.01	7,043.42	7,001.99	228.11	30.75	88.39	81.24	-1,010.07	6,521.99	6,435.34	86.65	75.270		
15,100.00	6,936.90	7,042.95	7,001.52	230.92	30.75	88.37	81.24	-1,010.06	6,620.17	6,533.56	86.61	76.434		
15,200.00	6,934.79	7,042.48	7,001.05	233.74	30.75	88.35	81.24	-1,010.05	6,718.41	6,631.83	86.58	77.597		
15,300.00	6,932.68	7,042.01	7,000.58	236.56	30.75	88.33	81.24	-1,010.05	6,816.70	6,730.14	86.55	78.759		
15,400.00	6,930.57	7,041.54	7,000.10	239.37	30.74	88.31	81.24	-1,010.04	6,915.03	6,828.51	86.53	79.919		
15,500.00	6,928.46	7,041.07	6,999.63	242.19	30.74	88.28	81.24	-1,010.03	7,013.42	6,926.91	86.50	81.079		
15,521.99	6,928.00	7,040.96	6,999.53	242.81	30.74	88.28	81.24	-1,010.03	7,035.05	6,948.56	86.50	81.334		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-70.15	331.90	-919.46	978.23					
100.00	100.00	57.67	57.67	3.28	3.29	-70.15	331.92	-919.58	977.66	971.09	6.57	148.755		
200.00	200.00	146.31	146.30	3.34	3.34	-70.16	332.08	-920.58	978.79	972.11	6.68	146.616		
300.00	299.98	272.57	272.55	3.44	3.47	143.22	331.76	-921.58	980.92	974.00	6.92	141.839		
400.00	399.84	452.60	452.34	3.59	3.80	143.46	327.30	-914.45	980.94	973.50	7.44	131.803		
500.00	499.45	609.11	607.66	3.79	4.21	143.82	317.97	-897.86	975.93	967.83	8.10	120.532		
600.00	598.70	773.59	769.21	4.04	4.80	144.32	302.76	-871.19	967.11	958.19	8.92	108.440		
700.00	697.47	871.10	864.36	4.32	5.22	144.76	292.19	-852.66	958.09	948.60	9.49	100.959		
773.50	769.68	958.13	949.27	4.55	5.64	145.22	282.85	-836.01	953.28	943.25	10.03	95.038		
800.00	795.65	993.62	983.78	4.64	5.82	145.41	278.91	-828.71	951.42	941.17	10.25	92.808		
900.00	893.65	1,108.10	1,094.59	5.00	6.44	146.05	266.13	-802.97	942.53	931.51	11.02	85.516		
1,000.00	991.65	1,214.55	1,197.63	5.38	7.06	146.75	255.41	-778.49	933.79	922.01	11.79	79.213		
1,100.00	1,089.66	1,319.66	1,298.92	5.78	7.70	147.39	243.39	-753.13	923.50	910.92	12.58	73.402		
1,200.00	1,187.66	1,431.89	1,406.86	6.20	8.43	147.99	228.69	-726.15	912.75	899.31	13.43	67.945		
1,300.00	1,285.66	1,512.28	1,484.22	6.63	8.96	148.33	216.99	-707.69	902.41	888.24	14.17	63.672		
1,400.00	1,383.67	1,617.69	1,585.62	7.07	9.66	148.58	198.89	-685.32	892.65	877.60	15.04	59.335		
1,500.00	1,481.67	1,722.39	1,685.69	7.51	10.38	148.50	176.01	-664.77	882.30	866.36	15.94	55.343		
1,600.00	1,579.67	1,825.67	1,783.69	7.97	11.11	148.15	149.62	-645.67	871.32	854.45	16.87	51.650		
1,700.00	1,677.67	1,943.56	1,894.62	8.43	11.98	147.49	115.74	-624.64	859.62	841.72	17.90	48.022		
1,800.00	1,775.68	2,068.98	2,010.46	8.90	13.00	146.43	74.02	-600.82	844.79	825.76	19.03	44.390		
1,900.00	1,873.68	2,178.64	2,110.12	9.37	13.95	145.22	33.69	-579.25	827.98	807.81	20.17	41.056		
2,000.00	1,971.68	2,274.77	2,197.44	9.84	14.82	144.17	-1.22	-559.30	810.66	789.38	21.29	38.084		
2,100.00	2,069.69	2,376.41	2,290.15	10.32	15.74	143.09	-37.08	-538.13	793.99	771.53	22.46	35.354		
2,200.00	2,167.69	2,462.49	2,368.87	10.80	16.53	142.21	-66.62	-519.68	777.42	753.83	23.59	32.960		
2,300.00	2,265.69	2,552.77	2,451.74	11.28	17.34	141.20	-97.85	-502.11	762.83	738.06	24.77	30.799		
2,400.00	2,363.69	2,676.00	2,564.10	11.77	18.48	139.67	-141.90	-477.30	747.57	721.41	26.16	28.572		
2,500.00	2,461.70	2,788.13	2,663.16	12.25	19.65	137.69	-188.62	-453.31	729.32	701.64	27.68	26.344		
2,600.00	2,559.70	2,875.90	2,739.92	12.74	20.57	135.93	-226.83	-434.57	711.29	682.14	29.16	24.396		
2,700.00	2,657.70	2,960.39	2,815.34	13.23	21.44	134.40	-260.75	-417.32	695.89	665.29	30.60	22.740		
2,800.00	2,755.71	3,053.12	2,898.33	13.72	22.37	132.66	-297.88	-399.05	681.96	649.83	32.13	21.222		
2,900.00	2,853.71	3,145.12	2,980.36	14.21	23.30	130.76	-335.82	-381.85	669.50	635.77	33.73	19.851		
3,000.00	2,951.71	3,237.59	3,063.81	14.70	24.22	128.99	-371.68	-364.56	658.31	623.01	35.30	18.648		
3,100.00	3,049.71	3,341.62	3,159.08	15.20	25.21	127.26	-408.59	-345.01	648.21	611.29	36.91	17.560		
3,200.00	3,147.72	3,431.48	3,241.35	15.69	26.07	125.77	-440.03	-327.21	637.70	599.27	38.43	16.593		
3,300.00	3,245.72	3,527.53	3,329.95	16.19	26.96	124.20	-472.80	-309.83	629.46	589.47	39.99	15.741		
3,400.00	3,343.72	3,628.83	3,423.63	16.69	27.90	122.61	-506.33	-290.82	621.08	579.50	41.58	14.937		
3,500.00	3,441.73	3,722.00	3,509.05	17.18	28.79	120.90	-539.27	-273.50	613.37	570.17	43.19	14.200		
3,600.00	3,539.73	3,811.84	3,591.43	17.68	29.63	119.19	-571.45	-257.79	607.38	562.59	44.79	13.561		
3,700.00	3,637.73	3,912.80	3,684.84	18.18	30.56	117.42	-605.72	-240.67	602.49	556.05	46.44	12.973		
3,800.00	3,735.73	4,012.49	3,775.83	18.68	31.52	115.35	-642.41	-223.08	597.76	549.58	48.19	12.405		
3,900.00	3,833.74	4,110.84	3,864.28	19.18	32.53	112.98	-681.46	-205.06	593.57	543.56	50.01	11.868		
4,000.00	3,931.74	4,215.33	3,957.85	19.67	33.61	110.35	-723.71	-185.65	590.38	538.45	51.93	11.368		
4,100.00	4,029.74	4,317.31	4,049.23	20.17	34.68	107.82	-763.72	-164.41	585.85	532.05	53.80	10.890		
4,200.00	4,127.75	4,416.75	4,138.60	20.67	35.72	105.37	-802.40	-144.32	582.97	527.37	55.60	10.484		
4,300.00	4,225.75	4,511.01	4,222.68	21.18	36.73	102.90	-839.96	-124.20	580.44	523.09	57.35	10.120		
4,380.11	4,304.26	4,585.60	4,289.06	21.58	37.53	100.89	-870.26	-108.73	579.94	521.22	58.72	9.876		
4,400.00	4,323.75	4,604.55	4,305.97	21.68	37.73	100.40	-877.89	-104.86	579.97	520.91	59.06	9.820		
4,500.00	4,421.76	4,701.29	4,391.93	22.18	38.78	97.77	-917.45	-84.79	580.84	520.08	60.77	9.558		
4,600.00	4,519.76	4,807.89	4,486.05	22.68	39.96	94.77	-961.66	-61.36	582.25	519.67	62.58	9.304		
4,700.00	4,617.76	4,912.34	4,579.89	23.18	41.06	92.19	-1,001.26	-38.25	583.13	518.89	64.23	9.078		
4,800.00	4,715.76	5,004.78	4,663.64	23.68	42.01	90.06	-1,034.90	-18.28	584.71	519.06	65.66	8.906		
4,900.00	4,813.77	5,091.58	4,742.55	24.18	42.89	88.15	-1,066.72	-1.10	588.79	521.86	66.93	8.797		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,911.77	5,185.33	4,826.97	24.69	43.86	85.95	-1,103.02	17.45	594.98	526.75	68.24	8.719		
5,100.00	5,009.77	5,290.86	4,923.10	25.19	44.91	83.76	-1,141.77	37.27	601.62	531.95	69.67	8.636		
5,200.00	5,107.78	5,405.54	5,029.47	25.69	45.96	81.86	-1,179.27	57.82	606.97	535.86	71.11	8.536		
5,300.00	5,205.78	5,524.28	5,143.22	26.19	46.87	80.89	-1,208.42	75.27	609.55	537.10	72.45	8.413		
5,400.00	5,303.78	5,619.47	5,235.69	26.70	47.48	80.57	-1,227.89	86.68	611.38	537.86	73.52	8.316		
5,500.00	5,401.78	5,723.85	5,337.64	27.20	48.11	80.43	-1,247.12	98.16	612.56	537.93	74.63	8.208		
5,600.00	5,499.79	5,819.50	5,431.63	27.70	48.64	80.59	-1,262.83	106.29	614.21	538.55	75.67	8.117		
5,700.00	5,597.79	5,926.64	5,537.49	28.21	49.17	81.10	-1,277.79	113.14	615.79	539.04	76.75	8.024		
5,800.00	5,695.79	6,033.45	5,643.68	28.71	49.61	82.04	-1,288.12	118.14	615.80	538.01	77.79	7.916		
5,900.00	5,793.80	6,139.27	5,749.11	29.22	50.01	83.17	-1,296.11	122.41	615.10	536.31	78.79	7.807		
6,000.00	5,891.80	6,241.12	5,850.82	29.72	50.33	84.58	-1,300.58	124.86	613.89	534.16	79.73	7.699		
6,100.00	5,989.80	6,342.24	5,951.91	30.22	50.60	86.25	-1,302.58	125.99	612.61	531.98	80.63	7.598		
6,200.00	6,087.80	6,439.92	6,049.60	30.73	50.82	88.04	-1,302.90	126.06	611.74	530.29	81.45	7.510		
6,253.41	6,140.15	6,491.48	6,101.15	31.00	50.93	89.06	-1,302.43	125.57	611.61	529.74	81.87	7.470		
6,300.00	6,185.81	6,536.76	6,146.42	31.23	51.01	89.99	-1,301.68	124.88	611.70	529.49	82.21	7.441		
6,400.00	6,283.81	6,633.01	6,242.62	31.74	51.17	92.07	-1,299.27	122.78	612.58	529.69	82.89	7.390		
6,500.00	6,381.81	6,725.53	6,335.04	32.24	51.32	94.15	-1,296.30	119.96	614.75	531.25	83.50	7.363		
6,520.79	6,402.19	6,744.34	6,353.83	32.35	51.35	94.57	-1,295.74	119.28	615.43	531.82	83.61	7.361		
6,550.00	6,430.87	6,771.90	6,381.36	32.49	51.39	95.06	-1,295.00	118.26	615.93	532.16	83.77	7.352		
6,600.00	6,480.12	6,823.24	6,432.68	32.72	51.49	95.28	-1,294.37	116.85	614.04	529.96	84.08	7.303		
6,650.00	6,529.30	6,873.94	6,483.37	32.93	51.60	95.59	-1,294.72	116.15	608.54	524.17	84.37	7.213		
6,700.00	6,578.09	6,922.91	6,532.33	33.12	51.70	95.79	-1,294.88	115.43	599.52	514.89	84.64	7.083		
6,750.00	6,626.21	6,969.74	6,579.16	33.30	51.81	95.94	-1,294.78	114.59	587.09	502.21	84.89	6.916		
6,800.00	6,673.34	7,014.80	6,624.21	33.46	51.91	96.06	-1,295.15	113.80	571.44	486.31	85.12	6.713		
6,850.00	6,719.21	7,062.67	6,672.07	33.61	52.03	96.14	-1,296.14	113.16	552.54	467.13	85.41	6.469		
6,900.00	6,763.53	7,110.62	6,719.98	33.75	52.17	96.19	-1,297.79	113.14	530.18	444.45	85.73	6.184		
6,950.00	6,806.03	7,151.31	6,760.64	33.89	52.28	96.21	-1,299.45	113.36	504.71	418.71	86.00	5.869		
7,000.00	6,846.44	7,189.05	6,798.37	34.02	52.39	96.22	-1,300.61	113.10	476.70	390.43	86.26	5.526		
7,050.00	6,884.52	7,225.89	6,835.18	34.15	52.48	96.23	-1,301.38	112.42	446.33	359.81	86.51	5.159		
7,100.00	6,920.03	7,261.51	6,870.79	34.27	52.56	96.24	-1,301.84	111.51	413.77	327.01	86.76	4.769		
7,150.00	6,952.75	7,294.79	6,904.05	34.40	52.64	96.25	-1,302.06	110.47	379.34	292.36	86.99	4.361		
7,200.00	6,982.48	7,325.46	6,934.70	34.54	52.70	96.26	-1,301.99	109.28	343.51	256.35	87.17	3.941		
7,250.00	7,009.04	7,353.65	6,962.86	34.70	52.75	96.27	-1,301.61	107.94	306.87	219.60	87.26	3.517		
7,300.00	7,032.26	7,379.20	6,988.36	34.87	52.79	96.28	-1,301.00	106.51	270.25	183.07	87.17	3.100		
7,350.00	7,052.00	7,402.73	7,011.84	35.08	52.84	96.29	-1,300.29	105.14	234.90	148.24	86.66	2.711		
7,400.00	7,068.14	7,421.94	7,031.02	35.34	52.87	96.30	-1,299.78	104.27	202.88	117.65	85.23	2.380		
7,450.00	7,080.57	7,436.30	7,045.37	35.65	52.90	96.31	-1,299.44	103.77	177.60	95.43	82.17	2.161		
7,500.00	7,089.23	7,446.14	7,055.20	36.01	52.92	96.32	-1,299.23	103.51	163.52	86.44	77.08	2.121 ES, SF		
7,522.34	7,091.86	7,449.15	7,058.22	36.20	52.93	96.33	-1,299.17	103.44	161.94	87.45	74.49	2.174 CC		
7,550.00	7,094.06	7,451.77	7,060.83	36.44	52.93	96.34	-1,299.12	103.39	164.37	92.77	71.61	2.296		
7,601.12	7,095.00	7,453.53	7,062.59	36.93	52.93	96.35	-1,299.09	103.36	180.84	112.06	68.78	2.629		
7,700.00	7,092.92	7,453.26	7,062.32	38.05	52.93	90.92	-1,299.09	103.36	242.44	171.91	70.53	3.437		
7,800.00	7,090.81	7,453.02	7,062.08	39.40	52.93	90.83	-1,299.10	103.37	324.09	250.40	73.69	4.398		
7,900.00	7,088.70	7,452.81	7,061.87	40.93	52.93	90.76	-1,299.10	103.37	413.88	338.00	75.88	5.455		
8,000.00	7,086.59	7,452.61	7,061.67	42.61	52.93	90.69	-1,299.10	103.38	507.50	430.17	77.32	6.563		
8,100.00	7,084.49	7,452.43	7,061.49	44.41	52.93	90.62	-1,299.11	103.38	603.17	524.85	78.32	7.702		
8,200.00	7,082.38	7,452.27	7,061.33	46.33	52.93	90.57	-1,299.11	103.38	700.05	621.02	79.03	8.858		
8,300.00	7,080.27	7,452.12	7,061.18	48.34	52.93	90.51	-1,299.11	103.38	797.70	718.13	79.57	10.025		
8,400.00	7,078.16	7,451.98	7,061.05	50.43	52.93	90.46	-1,299.12	103.39	895.87	815.88	79.99	11.200		
8,500.00	7,076.05	7,451.86	7,060.92	52.59	52.93	90.42	-1,299.12	103.39	994.40	914.08	80.32	12.380		
8,600.00	7,073.94	7,451.74	7,060.80	54.82	52.93	90.38	-1,299.12	103.39	1,093.21	1,012.61	80.60	13.563		
8,700.00	7,071.84	7,451.63	7,060.70	57.10	52.93	90.34	-1,299.12	103.39	1,192.21	1,111.38	80.83	14.749		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,069.73	7,451.53	7,060.60	59.44	52.93	-90.30	-1,299.12	103.40	1,291.36	1,210.33	81.03	15.937		
8,900.00	7,067.62	7,451.44	7,060.50	61.81	52.93	-90.27	-1,299.13	103.40	1,390.64	1,309.44	81.20	17.126		
9,000.00	7,065.51	7,451.35	7,060.42	64.23	52.93	-90.24	-1,299.13	103.40	1,490.01	1,408.66	81.35	18.316		
9,100.00	7,063.40	7,451.27	7,060.33	66.68	52.93	-90.21	-1,299.13	103.40	1,589.46	1,507.98	81.48	19.507		
9,200.00	7,061.29	7,451.19	7,060.26	69.15	52.93	-90.18	-1,299.13	103.40	1,688.98	1,607.37	81.60	20.698		
9,300.00	7,059.18	7,451.12	7,060.18	71.66	52.93	-90.16	-1,299.13	103.40	1,788.55	1,706.84	81.71	21.888		
9,400.00	7,057.08	7,451.05	7,060.12	74.19	52.93	-90.13	-1,299.13	103.41	1,888.16	1,806.35	81.81	23.079		
9,500.00	7,054.97	7,450.99	7,060.05	76.75	52.93	-90.11	-1,299.14	103.41	1,987.82	1,905.91	81.91	24.269		
9,600.00	7,052.86	7,450.93	7,059.99	79.32	52.93	-90.09	-1,299.14	103.41	2,087.50	2,005.51	81.99	25.459		
9,700.00	7,050.75	7,450.87	7,059.93	81.91	52.93	-90.07	-1,299.14	103.41	2,187.22	2,105.14	82.08	26.649		
9,800.00	7,048.64	7,450.82	7,059.88	84.52	52.93	-90.05	-1,299.14	103.41	2,286.96	2,204.81	82.15	27.837		
9,900.00	7,046.53	7,474.00	7,083.06	87.14	52.97	-98.26	-1,298.74	103.12	2,387.02	2,304.84	82.17	29.049		
10,000.00	7,044.43	7,474.00	7,083.06	89.78	52.97	-98.26	-1,298.74	103.12	2,486.79	2,404.55	82.25	30.236		
10,100.00	7,042.32	7,474.00	7,083.06	92.43	52.97	-98.26	-1,298.74	103.12	2,586.59	2,504.27	82.32	31.422		
10,200.00	7,040.21	7,474.00	7,083.06	95.09	52.97	-98.26	-1,298.74	103.12	2,686.40	2,604.01	82.39	32.606		
10,300.00	7,038.10	7,474.00	7,083.06	97.76	52.97	-98.26	-1,298.74	103.12	2,786.22	2,703.77	82.46	33.790		
10,400.00	7,035.99	7,474.00	7,083.06	100.44	52.97	-98.26	-1,298.74	103.12	2,886.06	2,803.54	82.52	34.973		
10,500.00	7,033.88	7,474.00	7,083.06	103.13	52.97	-98.26	-1,298.74	103.12	2,985.91	2,903.32	82.59	36.155		
10,600.00	7,031.78	7,474.00	7,083.06	105.82	52.97	-98.26	-1,298.74	103.12	3,085.76	3,003.11	82.65	37.335		
10,700.00	7,029.67	7,474.00	7,083.06	108.53	52.97	-98.26	-1,298.74	103.12	3,185.63	3,102.92	82.71	38.515		
10,800.00	7,027.56	7,474.00	7,083.06	111.24	52.97	-98.26	-1,298.74	103.12	3,285.50	3,202.73	82.77	39.693		
10,900.00	7,025.45	7,474.00	7,083.06	113.96	52.97	-98.26	-1,298.74	103.12	3,385.38	3,302.55	82.83	40.870		
11,000.00	7,023.34	7,474.00	7,083.06	116.68	52.97	-98.26	-1,298.74	103.12	3,485.27	3,402.38	82.89	42.045		
11,100.00	7,021.23	7,474.00	7,083.06	119.41	52.97	-98.26	-1,298.74	103.12	3,585.17	3,502.21	82.95	43.219		
11,200.00	7,019.13	7,474.00	7,083.06	122.15	52.97	-98.26	-1,298.74	103.12	3,685.07	3,602.05	83.01	44.391		
11,300.00	7,017.02	7,474.00	7,083.06	124.89	52.97	-98.26	-1,298.74	103.12	3,784.97	3,701.90	83.07	45.562		
11,400.00	7,014.91	7,474.00	7,083.06	127.63	52.97	-98.26	-1,298.74	103.12	3,884.88	3,801.75	83.13	46.732		
11,500.00	7,012.80	7,474.00	7,083.06	130.38	52.97	-98.26	-1,298.74	103.12	3,984.80	3,901.61	83.19	47.899		
11,600.00	7,010.69	7,474.00	7,083.06	133.14	52.97	-98.26	-1,298.74	103.12	4,084.72	4,001.47	83.25	49.066		
11,700.00	7,008.58	7,474.00	7,083.06	135.89	52.97	-98.26	-1,298.74	103.12	4,184.64	4,101.33	83.31	50.230		
11,800.00	7,006.47	7,474.00	7,083.06	138.65	52.97	-98.26	-1,298.74	103.12	4,284.57	4,201.20	83.37	51.393		
11,900.00	7,004.37	7,474.00	7,083.06	141.42	52.97	-98.26	-1,298.74	103.12	4,384.50	4,301.07	83.43	52.554		
12,000.00	7,002.26	7,474.00	7,083.06	144.19	52.97	-98.26	-1,298.74	103.12	4,484.43	4,400.94	83.49	53.713		
12,100.00	7,000.15	7,474.00	7,083.06	146.96	52.97	-98.26	-1,298.74	103.12	4,584.37	4,500.82	83.55	54.871		
12,200.00	6,998.04	7,474.00	7,083.06	149.73	52.97	-98.26	-1,298.74	103.12	4,684.30	4,600.70	83.61	56.026		
12,300.00	6,995.93	7,474.00	7,083.06	152.51	52.97	-98.26	-1,298.74	103.12	4,784.25	4,700.58	83.67	57.180		
12,400.00	6,993.82	7,474.00	7,083.06	155.28	52.97	-98.26	-1,298.74	103.12	4,884.19	4,800.46	83.73	58.332		
12,500.00	6,991.72	7,474.00	7,083.06	158.06	52.97	-98.26	-1,298.74	103.12	4,984.14	4,900.34	83.79	59.482		
12,600.00	6,989.61	7,474.00	7,083.06	160.85	52.97	-98.26	-1,298.74	103.12	5,084.08	5,000.23	83.86	60.629		
12,700.00	6,987.50	7,474.00	7,083.06	163.63	52.97	-98.26	-1,298.74	103.12	5,184.03	5,100.12	83.92	61.775		
12,800.00	6,985.39	7,474.00	7,083.06	166.42	52.97	-98.26	-1,298.74	103.12	5,283.99	5,200.00	83.98	62.919		
12,900.00	6,983.28	7,474.00	7,083.06	169.21	52.97	-98.26	-1,298.74	103.12	5,383.94	5,299.89	84.04	64.061		
13,000.00	6,981.17	7,474.00	7,083.06	172.00	52.97	-98.26	-1,298.74	103.12	5,483.89	5,399.79	84.11	65.200		
13,100.00	6,979.07	7,474.00	7,083.06	174.79	52.97	-98.26	-1,298.74	103.12	5,583.85	5,499.68	84.17	66.338		
13,200.00	6,976.96	7,474.00	7,083.06	177.59	52.97	-98.26	-1,298.74	103.12	5,683.81	5,599.57	84.24	67.473		
13,300.00	6,974.85	7,474.00	7,083.06	180.38	52.97	-98.26	-1,298.74	103.12	5,783.77	5,699.47	84.30	68.606		
13,400.00	6,972.74	7,474.00	7,083.06	183.18	52.97	-98.26	-1,298.74	103.12	5,883.73	5,799.36	84.37	69.737		
13,500.00	6,970.63	7,474.00	7,083.06	185.98	52.97	-98.26	-1,298.74	103.12	5,983.69	5,899.26	84.44	70.866		
13,600.00	6,968.52	7,474.00	7,083.06	188.78	52.97	-98.26	-1,298.74	103.12	6,083.66	5,999.15	84.50	71.992		
13,700.00	6,966.41	7,474.00	7,083.06	191.58	52.97	-98.26	-1,298.74	103.12	6,183.62	6,099.05	84.57	73.116		
13,800.00	6,964.31	7,474.00	7,083.06	194.39	52.97	-98.26	-1,298.74	103.12	6,283.59	6,198.95	84.64	74.238		
13,900.00	6,962.20	7,474.00	7,083.06	197.19	52.97	-98.26	-1,298.74	103.12	6,383.56	6,298.85	84.71	75.357		

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

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,000.00	6,960.09	7,474.00	7,083.06	200.00	52.97	-98.26	-1,298.74	103.12	6,483.52	6,398.74	84.78	76.474	
14,100.00	6,957.98	7,474.00	7,083.06	202.80	52.97	-98.26	-1,298.74	103.12	6,583.49	6,498.64	84.85	77.589	
14,200.00	6,955.87	7,474.00	7,083.06	205.61	52.97	-98.26	-1,298.74	103.12	6,683.46	6,598.54	84.92	78.701	
14,300.00	6,953.76	7,474.00	7,083.06	208.42	52.97	-98.26	-1,298.74	103.12	6,783.43	6,698.44	84.99	79.811	
14,400.00	6,951.66	7,474.00	7,083.06	211.23	52.97	-98.26	-1,298.74	103.12	6,883.41	6,798.34	85.07	80.918	
14,500.00	6,949.55	7,474.00	7,083.06	214.04	52.97	-98.26	-1,298.74	103.12	6,983.38	6,898.24	85.14	82.023	
14,600.00	6,947.44	7,474.00	7,083.06	216.85	52.97	-98.26	-1,298.74	103.12	7,083.35	6,998.14	85.21	83.125	
14,700.00	6,945.33	7,474.00	7,083.06	219.66	52.97	-98.26	-1,298.74	103.12	7,183.33	7,098.04	85.29	84.225	
14,800.00	6,943.22	7,474.00	7,083.06	222.48	52.97	-98.26	-1,298.74	103.12	7,283.30	7,197.94	85.36	85.322	
14,900.00	6,941.11	7,474.00	7,083.06	225.29	52.97	-98.26	-1,298.74	103.12	7,383.28	7,297.84	85.44	86.417	
15,000.00	6,939.01	7,474.00	7,083.06	228.11	52.97	-98.26	-1,298.74	103.12	7,483.25	7,397.74	85.51	87.509	
15,100.00	6,936.90	7,474.00	7,083.06	230.92	52.97	-98.26	-1,298.74	103.12	7,583.23	7,497.64	85.59	88.599	
15,200.00	6,934.79	7,474.00	7,083.06	233.74	52.97	-98.26	-1,298.74	103.12	7,683.21	7,597.54	85.67	89.686	
15,300.00	6,932.68	7,474.00	7,083.06	236.56	52.97	-98.26	-1,298.74	103.12	7,783.18	7,697.44	85.75	90.770	
15,400.00	6,930.57	7,474.00	7,083.06	239.37	52.97	-98.26	-1,298.74	103.12	7,883.16	7,797.34	85.82	91.852	
15,500.00	6,928.46	7,474.00	7,083.06	242.19	52.97	-98.26	-1,298.74	103.12	7,983.14	7,897.24	85.90	92.931	
15,521.99	6,928.00	7,474.00	7,083.06	242.81	52.97	-98.26	-1,298.74	103.12	8,005.12	7,919.20	85.92	93.168	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-68.69	362.50	-929.20	998.10					
100.00	100.00	60.52	60.52	3.28	3.29	-68.69	362.54	-929.25	997.47	990.89	6.57	151.756		
200.00	200.00	155.24	155.24	3.34	3.34	-68.68	362.91	-929.63	997.98	991.30	6.68	149.384		
300.00	299.98	251.96	251.95	3.44	3.45	144.75	363.63	-930.33	1,000.35	993.46	6.89	145.149		
400.00	399.84	347.98	347.96	3.59	3.60	144.88	364.53	-931.32	1,005.94	998.74	7.20	139.746		
500.00	499.45	451.81	451.78	3.79	3.82	145.11	365.54	-932.30	1,014.32	1,006.71	7.61	133.309		
600.00	598.70	550.73	550.69	4.04	4.05	145.39	366.29	-933.10	1,025.39	1,017.29	8.09	126.734		
700.00	697.47	649.17	649.13	4.32	4.32	145.74	367.16	-933.97	1,039.49	1,030.86	8.64	120.328		
773.50	769.68	723.92	723.88	4.55	4.54	146.02	367.17	-934.73	1,051.57	1,042.49	9.08	115.757		
800.00	795.65	749.90	749.86	4.64	4.62	146.17	366.98	-935.05	1,056.19	1,046.94	9.25	114.201		
900.00	893.65	851.85	851.78	5.00	4.93	146.68	365.58	-936.45	1,073.56	1,063.67	9.89	108.498		
1,000.00	991.65	971.95	971.78	5.38	5.32	147.14	361.26	-937.69	1,089.82	1,079.18	10.64	102.424		
1,100.00	1,089.66	1,071.31	1,070.91	5.78	5.65	147.35	354.45	-938.94	1,104.97	1,093.62	11.35	97.319		
1,200.00	1,187.66	1,162.10	1,161.41	6.20	5.98	147.49	347.50	-940.83	1,120.55	1,108.48	12.07	92.852		
1,300.00	1,285.66	1,256.25	1,254.99	6.63	6.34	147.48	337.91	-944.45	1,136.67	1,123.85	12.83	88.624		
1,400.00	1,383.67	1,362.64	1,360.20	7.07	6.77	147.26	323.35	-950.47	1,153.02	1,139.34	13.67	84.329		
1,500.00	1,481.67	1,510.44	1,505.80	7.51	7.41	146.81	298.69	-956.33	1,166.61	1,151.86	14.75	79.081		
1,600.00	1,579.67	1,609.51	1,603.02	7.97	7.86	146.44	279.86	-959.06	1,178.21	1,162.57	15.64	75.328		
1,700.00	1,677.67	1,750.14	1,739.83	8.43	8.57	145.66	247.62	-963.30	1,188.75	1,171.95	16.79	70.797		
1,800.00	1,775.68	1,896.66	1,881.05	8.90	9.37	144.72	208.64	-962.83	1,194.58	1,176.56	18.02	66.288		
1,900.00	1,873.68	2,012.18	1,991.14	9.37	10.07	143.81	173.70	-961.18	1,198.30	1,179.15	19.15	62.579		
2,000.00	1,971.68	2,122.36	2,094.60	9.84	10.79	142.73	135.85	-960.08	1,201.16	1,180.84	20.32	59.125		
2,100.00	2,069.69	2,198.86	2,165.34	10.32	11.34	141.84	106.75	-960.58	1,204.65	1,183.31	21.34	56.447		
2,200.00	2,167.69	2,289.39	2,247.91	10.80	12.04	140.63	69.77	-963.59	1,210.12	1,187.60	22.51	53.753		
2,300.00	2,265.69	2,395.74	2,344.10	11.28	12.91	139.13	24.55	-967.27	1,215.88	1,192.02	23.86	50.967		
2,400.00	2,363.69	2,468.48	2,409.81	11.77	13.52	138.11	-6.51	-970.12	1,222.73	1,197.77	24.95	49.000		
2,500.00	2,461.70	2,552.65	2,485.85	12.25	14.25	136.92	-42.32	-974.73	1,231.76	1,205.60	26.16	47.088		
2,600.00	2,559.70	2,641.14	2,565.76	12.74	15.02	135.69	-79.94	-980.07	1,242.05	1,214.63	27.42	45.301		
2,700.00	2,657.70	2,725.35	2,641.65	13.23	15.77	134.51	-116.00	-985.77	1,253.66	1,225.02	28.65	43.760		
2,800.00	2,755.71	2,819.16	2,725.92	13.72	16.63	133.20	-156.60	-992.81	1,266.59	1,236.60	29.99	42.234		
2,900.00	2,853.71	2,917.20	2,814.32	14.21	17.53	131.88	-198.41	-999.80	1,279.99	1,248.61	31.38	40.794		
3,000.00	2,951.71	3,022.81	2,909.64	14.70	18.50	130.50	-243.35	-1,006.75	1,293.55	1,260.70	32.85	39.377		
3,100.00	3,049.71	3,120.95	2,998.59	15.20	19.40	129.29	-284.37	-1,012.68	1,307.30	1,273.07	34.24	38.183		
3,200.00	3,147.72	3,231.74	3,099.97	15.69	20.40	128.04	-328.72	-1,018.21	1,320.78	1,285.04	35.74	36.955		
3,300.00	3,245.72	3,329.47	3,189.19	16.19	21.29	126.93	-368.38	-1,022.40	1,334.03	1,296.93	37.11	35.953		
3,400.00	3,343.72	3,429.76	3,281.33	16.69	22.19	125.89	-407.73	-1,026.68	1,347.83	1,309.35	38.49	35.020		
3,500.00	3,441.73	3,523.90	3,367.78	17.18	23.04	124.92	-444.82	-1,030.34	1,361.68	1,321.87	39.81	34.208		
3,600.00	3,539.73	3,623.11	3,458.81	17.68	23.93	123.91	-484.05	-1,034.42	1,376.15	1,334.97	41.18	33.422		
3,700.00	3,637.73	3,716.40	3,544.75	18.18	24.77	123.01	-520.19	-1,038.08	1,390.84	1,348.37	42.47	32.747		
3,800.00	3,735.73	3,789.37	3,611.73	18.68	25.44	122.30	-548.92	-1,041.57	1,406.77	1,363.22	43.55	32.303		
3,900.00	3,833.74	3,884.91	3,698.55	19.18	26.34	121.31	-588.38	-1,047.35	1,424.34	1,379.44	44.89	31.728		
4,000.00	3,931.74	3,986.60	3,790.50	19.67	27.32	120.23	-631.47	-1,052.73	1,441.68	1,395.36	46.32	31.123		
4,100.00	4,029.74	4,098.06	3,891.10	20.17	28.40	119.06	-679.18	-1,057.85	1,458.86	1,410.99	47.87	30.476		
4,200.00	4,127.75	4,191.37	3,975.61	20.67	29.29	118.13	-718.52	-1,061.90	1,476.18	1,426.99	49.19	30.011		
4,300.00	4,225.75	4,302.54	4,077.04	21.18	30.35	117.10	-763.85	-1,065.91	1,493.01	1,442.32	50.70	29.450		
4,400.00	4,323.75	4,400.81	4,166.41	21.68	31.28	116.19	-804.58	-1,069.05	1,509.94	1,457.89	52.05	29.008		
4,500.00	4,421.76	4,490.28	4,248.08	22.18	32.12	115.40	-841.02	-1,071.86	1,527.09	1,473.79	53.30	28.652		
4,600.00	4,519.76	4,573.98	4,324.81	22.68	32.90	114.71	-874.27	-1,075.37	1,545.38	1,490.93	54.45	28.380		
4,700.00	4,617.76	4,658.93	4,403.18	23.18	33.67	114.08	-906.78	-1,079.67	1,564.56	1,508.97	55.60	28.141		
4,800.00	4,715.76	4,755.90	4,493.44	23.68	34.51	113.47	-941.68	-1,085.69	1,584.64	1,527.79	56.85	27.873		
4,900.00	4,813.77	4,877.77	4,608.06	24.18	35.53	112.83	-982.52	-1,092.44	1,603.78	1,545.43	58.36	27.482		
5,000.00	4,911.77	4,990.55	4,714.94	24.69	36.43	112.32	-1,018.13	-1,097.69	1,621.83	1,562.10	59.72	27.156		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,102.78	4,821.90	25.19	37.29	111.90	-1,051.82	-1,102.23	1,639.06	1,578.00	61.05	26.846		
5,200.00	5,107.78	5,207.56	4,922.34	25.69	38.07	111.57	-1,081.43	-1,106.10	1,655.65	1,593.36	62.29	26.582		
5,300.00	5,205.78	5,318.72	5,029.64	26.19	38.85	111.33	-1,110.13	-1,110.33	1,671.92	1,608.37	63.54	26.311		
5,400.00	5,303.78	5,431.15	5,138.92	26.70	39.59	111.19	-1,136.23	-1,114.18	1,687.28	1,622.50	64.78	26.048		
5,500.00	5,401.78	5,539.84	5,245.25	27.20	40.24	111.16	-1,158.46	-1,117.82	1,702.01	1,636.09	65.93	25.816		
5,600.00	5,499.79	5,649.53	5,353.18	27.70	40.86	111.23	-1,177.66	-1,121.42	1,716.08	1,649.03	67.05	25.594		
5,700.00	5,597.79	5,768.29	5,470.57	28.21	41.47	111.42	-1,195.29	-1,125.07	1,729.44	1,661.25	68.20	25.360		
5,800.00	5,695.79	5,894.58	5,595.91	28.71	42.06	111.72	-1,210.37	-1,127.80	1,741.36	1,672.02	69.33	25.116		
5,900.00	5,793.80	6,006.88	5,707.71	29.22	42.54	112.07	-1,220.98	-1,129.21	1,751.92	1,681.57	70.35	24.903		
6,000.00	5,891.80	6,104.25	5,804.68	29.72	42.94	112.39	-1,229.73	-1,130.40	1,762.46	1,691.17	71.28	24.725		
6,100.00	5,989.80	6,192.05	5,892.16	30.22	43.30	112.69	-1,236.99	-1,131.79	1,773.28	1,701.12	72.16	24.575		
6,200.00	6,087.80	6,277.13	5,976.94	30.73	43.65	113.00	-1,243.74	-1,133.92	1,784.99	1,711.99	73.01	24.450		
6,300.00	6,185.81	6,373.60	6,073.11	31.23	44.03	113.36	-1,250.65	-1,136.97	1,797.29	1,723.39	73.90	24.320		
6,400.00	6,283.81	6,485.49	6,184.81	31.74	44.43	113.85	-1,256.42	-1,140.45	1,809.32	1,734.46	74.86	24.170		
6,500.00	6,381.81	6,590.18	6,289.39	32.24	44.78	114.36	-1,259.86	-1,143.34	1,820.83	1,745.09	75.74	24.039		
6,520.79	6,402.19	6,608.70	6,307.90	32.35	44.83	114.46	-1,260.24	-1,143.87	1,823.23	1,747.32	75.90	24.020		
6,550.00	6,430.87	6,636.02	6,335.21	32.49	44.91	102.25	-1,260.68	-1,144.68	1,825.96	1,749.82	76.14	23.983		
6,600.00	6,480.12	6,682.91	6,382.07	32.72	45.05	77.19	-1,261.10	-1,146.18	1,827.62	1,751.11	76.52	23.885		
6,650.00	6,529.30	6,729.69	6,428.83	32.93	45.17	54.31	-1,261.11	-1,147.78	1,825.49	1,748.62	76.87	23.748		
6,700.00	6,578.09	6,777.11	6,476.21	33.12	45.30	38.57	-1,260.74	-1,149.52	1,819.58	1,742.38	77.20	23.570		
6,750.00	6,626.21	6,825.91	6,524.97	33.30	45.42	28.62	-1,260.02	-1,151.36	1,809.84	1,732.34	77.51	23.351		
6,800.00	6,673.34	6,878.67	6,577.68	33.46	45.54	22.21	-1,258.88	-1,153.34	1,796.31	1,718.49	77.81	23.085		
6,850.00	6,719.21	6,935.11	6,634.06	33.61	45.67	17.90	-1,257.10	-1,155.24	1,778.85	1,700.74	78.11	22.773		
6,900.00	6,763.53	7,001.75	6,700.65	33.75	45.82	14.90	-1,255.05	-1,156.88	1,757.44	1,679.00	78.44	22.406		
6,950.00	6,806.03	7,066.89	6,765.78	33.89	45.99	12.65	-1,254.22	-1,157.52	1,732.03	1,653.28	78.75	21.995		
7,000.00	6,846.44	7,128.35	6,827.23	34.02	46.16	10.84	-1,254.93	-1,157.18	1,702.84	1,623.81	79.03	21.547		
7,050.00	6,884.52	7,160.74	6,859.61	34.15	46.26	9.24	-1,255.48	-1,156.88	1,670.44	1,591.22	79.22	21.085		
7,100.00	6,920.03	7,194.24	6,893.11	34.27	46.36	7.86	-1,255.98	-1,156.61	1,635.22	1,555.81	79.41	20.593		
7,150.00	6,952.75	7,220.47	6,919.33	34.40	46.44	6.57	-1,256.30	-1,156.45	1,597.40	1,517.85	79.55	20.081		
7,200.00	6,982.48	7,241.13	6,940.00	34.54	46.50	5.29	-1,256.50	-1,156.44	1,557.31	1,477.65	79.66	19.550		
7,250.00	7,009.04	7,259.90	6,958.76	34.70	46.56	3.94	-1,256.65	-1,156.54	1,515.16	1,435.41	79.75	18.998		
7,300.00	7,032.26	7,276.62	6,975.49	34.87	46.61	2.40	-1,256.75	-1,156.72	1,471.17	1,391.34	79.83	18.429		
7,350.00	7,052.00	7,297.00	6,995.86	35.08	46.67	0.46	-1,256.84	-1,157.04	1,425.58	1,345.67	79.91	17.840		
7,400.00	7,068.14	7,305.65	7,004.51	35.34	46.69	-2.27	-1,256.86	-1,157.21	1,378.56	1,298.62	79.94	17.245		
7,450.00	7,080.57	7,318.67	7,017.52	35.65	46.73	-6.70	-1,256.90	-1,157.46	1,330.41	1,250.42	79.98	16.633		
7,500.00	7,089.23	7,328.04	7,026.90	36.01	46.76	-15.25	-1,256.93	-1,157.64	1,281.39	1,201.37	80.01	16.015		
7,550.00	7,094.06	7,333.71	7,032.56	36.44	46.77	-36.51	-1,256.95	-1,157.75	1,231.80	1,151.77	80.03	15.393		
7,601.12	7,095.00	7,335.62	7,034.47	36.93	46.78	-90.85	-1,256.95	-1,157.79	1,180.84	1,100.82	80.03	14.756		
7,700.00	7,092.92	7,335.50	7,034.35	38.05	46.78	-90.77	-1,256.95	-1,157.79	1,082.26	1,002.24	80.01	13.526		
7,800.00	7,090.81	7,335.37	7,034.22	39.40	46.78	-90.69	-1,256.95	-1,157.79	982.62	902.62	80.00	12.283		
7,900.00	7,088.70	7,335.25	7,034.10	40.93	46.78	-90.61	-1,256.95	-1,157.78	883.06	803.07	79.99	11.040		
8,000.00	7,086.59	7,335.12	7,033.97	42.61	46.78	-90.52	-1,256.95	-1,157.78	783.61	703.63	79.98	9.797		
8,100.00	7,084.49	7,334.99	7,033.85	44.41	46.78	-90.44	-1,256.95	-1,157.78	684.32	604.34	79.98	8.556		
8,200.00	7,082.38	7,334.87	7,033.72	46.33	46.78	-90.36	-1,256.95	-1,157.78	585.28	505.28	80.00	7.316		
8,300.00	7,080.27	7,334.74	7,033.59	48.34	46.78	-90.27	-1,256.95	-1,157.77	486.63	406.57	80.06	6.078		
8,400.00	7,078.16	7,334.61	7,033.47	50.43	46.78	-90.19	-1,256.95	-1,157.77	388.67	308.45	80.21	4.845		
8,500.00	7,076.05	7,334.48	7,033.34	52.59	46.78	-90.11	-1,256.95	-1,157.77	292.09	211.45	80.64	3.622		
8,600.00	7,073.94	7,334.35	7,033.21	54.82	46.78	-90.02	-1,256.95	-1,157.77	198.93	116.98	81.95	2.427		
8,700.00	7,071.84	7,334.23	7,033.08	57.10	46.78	-89.94	-1,256.95	-1,157.76	117.59	31.39	86.20	1.364 Level 3		
8,778.73	7,070.18	7,334.12	7,032.98	58.94	46.78	-89.87	-1,256.95	-1,157.76	87.35	-5.09	92.43	0.945 Level 1, CC, ES, SF		
8,800.00	7,069.73	7,334.10	7,032.95	59.44	46.78	-89.85	-1,256.95	-1,157.76	89.90	-3.70	93.60	0.960 Level 1		
8,900.00	7,067.62	7,333.96	7,032.82	61.81	46.78	-89.77	-1,256.95	-1,157.76	149.45	60.16	89.29	1.674		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,065.51	7,333.83	7,032.69	64.23	46.78	-89.68	-1,256.95	-1,157.76	237.89	152.67	85.21	2.792		
9,100.00	7,063.40	7,333.70	7,032.56	66.68	46.77	-89.59	-1,256.95	-1,157.75	332.93	249.49	83.44	3.990		
9,200.00	7,061.29	7,333.57	7,032.42	69.15	46.77	-89.51	-1,256.95	-1,157.75	430.23	347.66	82.57	5.210		
9,300.00	7,059.18	7,333.44	7,032.29	71.66	46.77	-89.42	-1,256.95	-1,157.75	528.54	446.45	82.09	6.439		
9,400.00	7,057.08	7,333.30	7,032.16	74.19	46.77	-89.33	-1,256.95	-1,157.75	627.38	545.60	81.79	7.671		
9,500.00	7,054.97	7,333.17	7,032.02	76.75	46.77	-89.24	-1,256.95	-1,157.74	726.54	644.95	81.59	8.905		
9,600.00	7,052.86	7,333.03	7,031.89	79.32	46.77	-89.16	-1,256.95	-1,157.74	825.90	744.45	81.46	10.139		
9,700.00	7,050.75	7,332.90	7,031.75	81.91	46.77	-89.07	-1,256.95	-1,157.74	925.40	844.04	81.36	11.374		
9,800.00	7,048.64	7,332.76	7,031.62	84.52	46.77	-88.98	-1,256.94	-1,157.74	1,025.00	943.70	81.30	12.608		
9,900.00	7,046.53	7,332.63	7,031.48	87.14	46.77	-88.89	-1,256.94	-1,157.73	1,124.67	1,043.42	81.25	13.842		
10,000.00	7,044.43	7,332.49	7,031.34	89.78	46.77	-88.80	-1,256.94	-1,157.73	1,224.39	1,143.17	81.22	15.075		
10,100.00	7,042.32	7,332.35	7,031.21	92.43	46.77	-88.71	-1,256.94	-1,157.73	1,324.16	1,242.96	81.20	16.307		
10,200.00	7,040.21	7,332.21	7,031.07	95.09	46.77	-88.62	-1,256.94	-1,157.72	1,423.95	1,342.77	81.19	17.539		
10,300.00	7,038.10	7,332.08	7,030.93	97.76	46.77	-88.53	-1,256.94	-1,157.72	1,523.78	1,442.59	81.18	18.770		
10,400.00	7,035.99	7,331.94	7,030.79	100.44	46.77	-88.44	-1,256.94	-1,157.72	1,623.62	1,542.44	81.18	19.999		
10,500.00	7,033.88	7,331.80	7,030.65	103.13	46.77	-88.34	-1,256.94	-1,157.72	1,723.49	1,642.30	81.19	21.228		
10,600.00	7,031.78	7,331.66	7,030.51	105.82	46.77	-88.25	-1,256.94	-1,157.71	1,823.36	1,742.17	81.20	22.456		
10,700.00	7,029.67	7,331.51	7,030.37	108.53	46.77	-88.16	-1,256.94	-1,157.71	1,923.26	1,842.04	81.21	23.682		
10,800.00	7,027.56	7,331.37	7,030.23	111.24	46.77	-88.07	-1,256.94	-1,157.71	2,023.16	1,941.93	81.23	24.907		
10,900.00	7,025.45	7,331.23	7,030.08	113.96	46.77	-87.97	-1,256.94	-1,157.71	2,123.07	2,041.82	81.25	26.131		
11,000.00	7,023.34	7,331.09	7,029.94	116.68	46.77	-87.88	-1,256.94	-1,157.70	2,222.99	2,141.72	81.27	27.353		
11,100.00	7,021.23	7,330.94	7,029.80	119.41	46.77	-87.79	-1,256.94	-1,157.70	2,322.91	2,241.62	81.29	28.574		
11,200.00	7,019.13	7,330.80	7,029.65	122.15	46.77	-87.69	-1,256.94	-1,157.70	2,422.85	2,341.52	81.32	29.793		
11,300.00	7,017.02	7,330.65	7,029.51	124.89	46.77	-87.60	-1,256.94	-1,157.69	2,522.78	2,441.43	81.35	31.011		
11,400.00	7,014.91	7,330.51	7,029.36	127.63	46.77	-87.50	-1,256.94	-1,157.69	2,622.72	2,541.34	81.38	32.228		
11,500.00	7,012.80	7,330.36	7,029.22	130.38	46.77	-87.40	-1,256.94	-1,157.69	2,722.67	2,641.26	81.41	33.443		
11,600.00	7,010.69	7,330.22	7,029.07	133.14	46.76	-87.31	-1,256.94	-1,157.69	2,822.62	2,741.18	81.45	34.656		
11,700.00	7,008.58	7,330.07	7,028.92	135.89	46.76	-87.21	-1,256.94	-1,157.68	2,922.58	2,841.09	81.48	35.868		
11,800.00	7,006.47	7,329.92	7,028.77	138.65	46.76	-87.11	-1,256.94	-1,157.68	3,022.53	2,941.01	81.52	37.078		
11,900.00	7,004.37	7,329.77	7,028.63	141.42	46.76	-87.02	-1,256.94	-1,157.68	3,122.49	3,040.94	81.56	38.286		
12,000.00	7,002.26	7,329.62	7,028.48	144.19	46.76	-86.92	-1,256.94	-1,157.67	3,222.45	3,140.86	81.60	39.493		
12,100.00	7,000.15	7,329.47	7,028.33	146.96	46.76	-86.82	-1,256.94	-1,157.67	3,322.42	3,240.78	81.64	40.698		
12,200.00	6,998.04	7,329.32	7,028.17	149.73	46.76	-86.72	-1,256.94	-1,157.67	3,422.38	3,340.71	81.68	41.900		
12,300.00	6,995.93	7,329.17	7,028.02	152.51	46.76	-86.62	-1,256.93	-1,157.66	3,522.35	3,440.63	81.72	43.101		
12,400.00	6,993.82	7,329.02	7,027.87	155.28	46.76	-86.52	-1,256.93	-1,157.66	3,622.32	3,540.56	81.77	44.301		
12,500.00	6,991.72	7,328.86	7,027.72	158.06	46.76	-86.42	-1,256.93	-1,157.66	3,722.29	3,640.48	81.81	45.498		
12,600.00	6,989.61	7,328.71	7,027.56	160.85	46.76	-86.32	-1,256.93	-1,157.66	3,822.27	3,740.41	81.86	46.693		
12,700.00	6,987.50	7,328.55	7,027.41	163.63	46.76	-86.22	-1,256.93	-1,157.65	3,922.24	3,840.33	81.91	47.886		
12,800.00	6,985.39	7,328.40	7,027.25	166.42	46.76	-86.12	-1,256.93	-1,157.65	4,022.22	3,940.26	81.96	49.077		
12,900.00	6,983.28	7,328.24	7,027.10	169.21	46.76	-86.02	-1,256.93	-1,157.65	4,122.19	4,040.19	82.01	50.266		
13,000.00	6,981.17	7,328.09	7,026.94	172.00	46.76	-85.92	-1,256.93	-1,157.64	4,222.17	4,140.11	82.06	51.453		
13,100.00	6,979.07	7,327.93	7,026.78	174.79	46.76	-85.81	-1,256.93	-1,157.64	4,322.15	4,240.04	82.11	52.638		
13,200.00	6,976.96	7,327.77	7,026.63	177.59	46.76	-85.71	-1,256.93	-1,157.64	4,422.13	4,339.97	82.16	53.820		
13,300.00	6,974.85	13,300.00	6,965.20	180.38	64.47	-52.00	-1,256.60	-1,156.86	4,522.10	4,422.09	100.01	45.217		
13,400.00	6,972.74	13,400.00	6,963.71	183.18	64.77	-51.39	-1,256.59	-1,156.85	4,622.07	4,521.71	100.36	46.054		
13,500.00	6,970.63	13,500.00	6,962.22	185.98	65.07	-50.80	-1,256.58	-1,156.84	4,722.04	4,621.33	100.72	46.885		
13,600.00	6,968.52	13,600.00	6,960.73	188.78	65.37	-50.21	-1,256.57	-1,156.83	4,822.02	4,720.94	101.07	47.709		
13,700.00	6,966.41	13,700.00	6,959.24	191.58	65.67	-49.63	-1,256.56	-1,156.83	4,921.99	4,820.56	101.43	48.527		
13,800.00	6,964.31	13,800.00	6,957.75	194.39	65.96	-49.06	-1,256.54	-1,156.82	5,021.96	4,920.18	101.78	49.339		
13,900.00	6,962.20	13,900.00	6,956.26	197.19	66.26	-48.50	-1,256.53	-1,156.81	5,121.94	5,019.79	102.14	50.145		
14,000.00	6,960.09	14,000.00	6,954.77	200.00	66.56	-47.96	-1,256.52	-1,156.80	5,221.91	5,119.41	102.50	50.944		
14,100.00	6,957.98	14,100.00	6,953.28	202.80	66.86	-47.42	-1,256.51	-1,156.79	5,321.89	5,219.02	102.86	51.738		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,955.87	14,200.00	6,951.79	205.61	67.16	-46.88	-1,256.50	-1,156.78	5,421.86	5,318.64	103.22	52.526		
14,300.00	6,953.76	14,300.00	6,950.31	208.42	67.45	-46.36	-1,256.49	-1,156.77	5,521.84	5,418.25	103.58	53.307		
14,400.00	6,951.66	14,400.00	6,948.82	211.23	67.75	-45.85	-1,256.48	-1,156.76	5,621.81	5,517.87	103.95	54.083		
14,500.00	6,949.55	14,500.00	6,947.33	214.04	68.05	-45.34	-1,256.46	-1,156.75	5,721.79	5,617.48	104.31	54.853		
14,600.00	6,947.44	7,160.71	6,859.59	216.85	46.26	-26.33	-1,255.48	-1,156.88	5,821.75	5,738.95	82.81	70.305		
14,700.00	6,945.33	7,156.81	6,855.68	219.66	46.25	-25.81	-1,255.42	-1,156.92	5,921.70	5,838.83	82.87	71.460		
14,800.00	6,943.22	7,152.86	6,851.74	222.48	46.24	-25.30	-1,255.35	-1,156.96	6,021.64	5,938.71	82.93	72.612		
14,900.00	6,941.11	7,148.87	6,847.75	225.29	46.22	-24.81	-1,255.28	-1,156.99	6,121.59	6,038.59	82.99	73.762		
15,000.00	6,939.01	7,144.84	6,843.72	228.11	46.21	-24.32	-1,255.21	-1,157.03	6,221.53	6,138.48	83.05	74.909		
15,100.00	6,936.90	7,140.77	6,839.64	230.92	46.20	-23.85	-1,255.14	-1,157.07	6,321.47	6,238.36	83.12	76.054		
15,200.00	6,934.79	7,136.65	6,835.53	233.74	46.19	-23.39	-1,255.06	-1,157.11	6,421.42	6,338.24	83.18	77.196		
15,300.00	6,932.68	7,132.48	6,831.36	236.56	46.17	-22.94	-1,254.98	-1,157.15	6,521.36	6,438.11	83.25	78.336		
15,400.00	6,930.57	7,128.28	6,827.16	239.37	46.16	-22.50	-1,254.90	-1,157.20	6,621.31	6,537.99	83.31	79.474		
15,500.00	6,928.46	7,124.02	6,822.90	242.19	46.15	-22.07	-1,254.82	-1,157.24	6,721.25	6,637.87	83.38	80.609		
15,521.99	6,928.00	7,123.08	6,821.96	242.81	46.15	-21.97	-1,254.80	-1,157.25	6,743.22	6,659.83	83.40	80.858		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-65.95	423.34	-948.69	1,039.55					
100.00	100.00	59.88	59.88	3.28	3.29	-65.95	423.35	-948.73	1,038.91	1,032.33	6.57	158.065 CC, ES		
200.00	200.00	155.26	155.26	3.34	3.34	-65.96	423.41	-949.15	1,039.33	1,032.65	6.68	155.576		
300.00	299.98	255.11	255.10	3.44	3.45	147.48	424.41	-949.43	1,041.47	1,034.57	6.89	151.092		
400.00	399.84	344.20	344.14	3.59	3.59	147.71	427.33	-949.28	1,047.08	1,039.89	7.19	145.711		
500.00	499.45	435.64	435.39	3.79	3.77	148.14	433.12	-948.70	1,056.54	1,048.97	7.57	139.552		
600.00	598.70	521.73	521.05	4.04	3.98	148.74	441.62	-947.58	1,070.01	1,061.98	8.03	133.306		
700.00	697.47	605.34	603.90	4.32	4.22	149.49	452.77	-946.14	1,087.83	1,079.28	8.55	127.243		
773.50	769.68	663.55	661.35	4.55	4.41	150.08	462.05	-945.08	1,103.86	1,094.90	8.97	123.096		
800.00	795.65	684.16	681.66	4.64	4.48	150.36	465.58	-944.74	1,110.18	1,101.06	9.12	121.674		
900.00	893.65	769.15	765.21	5.00	4.79	151.53	481.06	-943.49	1,135.00	1,125.25	9.76	116.332		
1,000.00	991.65	857.61	852.01	5.38	5.15	152.74	498.06	-942.24	1,160.92	1,150.48	10.44	111.196		
1,100.00	1,089.66	949.30	941.68	5.78	5.56	154.03	517.11	-940.18	1,187.51	1,176.32	11.18	106.176		
1,200.00	1,187.66	1,032.13	1,022.30	6.20	5.96	155.22	535.95	-937.69	1,215.13	1,203.20	11.93	101.882		
1,300.00	1,285.66	1,110.31	1,097.91	6.63	6.38	156.40	555.59	-934.97	1,244.30	1,231.62	12.68	98.166		
1,400.00	1,383.67	1,180.84	1,165.68	7.07	6.78	157.49	574.95	-932.34	1,275.27	1,261.87	13.40	95.150		
1,500.00	1,481.67	1,243.00	1,224.90	7.51	7.15	158.47	593.73	-930.25	1,308.75	1,294.66	14.09	92.900		
1,600.00	1,579.67	1,320.49	1,298.13	7.97	7.65	159.72	618.92	-927.60	1,344.26	1,329.37	14.89	90.281		
1,700.00	1,677.67	1,396.24	1,369.36	8.43	8.17	160.93	644.54	-924.89	1,381.24	1,365.55	15.69	88.036		
1,800.00	1,775.68	1,480.52	1,448.60	8.90	8.76	162.21	673.18	-922.44	1,419.50	1,402.94	16.56	85.744		
1,900.00	1,873.68	1,573.67	1,536.47	9.37	9.42	163.51	704.01	-920.30	1,458.28	1,440.79	17.49	83.382		
2,000.00	1,971.68	1,665.08	1,622.99	9.84	10.06	164.69	733.43	-918.48	1,497.28	1,478.87	18.41	81.338		
2,100.00	2,069.69	1,763.24	1,716.27	10.32	10.75	165.85	763.96	-917.11	1,536.46	1,517.08	19.37	79.302		
2,200.00	2,167.69	1,837.89	1,787.46	10.80	11.27	166.65	786.44	-916.76	1,576.01	1,555.87	20.15	78.228		
2,300.00	2,265.69	1,927.14	1,872.44	11.28	11.90	167.57	813.69	-916.92	1,616.60	1,595.57	21.03	76.853		
2,400.00	2,363.69	2,061.37	2,000.71	11.77	12.84	168.86	853.23	-915.75	1,656.21	1,633.93	22.29	74.308		
2,500.00	2,461.70	2,165.36	2,100.60	12.25	13.55	169.79	882.07	-913.63	1,694.19	1,670.89	23.29	72.730		
2,600.00	2,559.70	2,275.23	2,206.05	12.74	14.30	170.76	912.75	-910.47	1,732.20	1,707.85	24.35	71.142		
2,700.00	2,657.70	2,393.08	2,319.91	13.23	15.08	171.68	942.90	-906.80	1,768.55	1,743.09	25.46	69.472		
2,800.00	2,755.71	2,459.32	2,383.86	13.72	15.52	172.19	960.03	-904.57	1,805.27	1,779.11	26.16	69.011		
2,900.00	2,853.71	2,533.29	2,455.05	14.21	16.02	172.75	980.00	-902.60	1,843.40	1,816.48	26.92	68.469		
3,000.00	2,951.71	2,601.33	2,520.23	14.70	16.50	173.28	999.38	-900.18	1,882.42	1,854.78	27.64	68.104		
3,100.00	3,049.71	2,662.00	2,577.88	15.20	16.95	173.78	1,018.12	-897.87	1,923.20	1,894.91	28.29	67.974		
3,200.00	3,147.72	2,712.25	2,625.31	15.69	17.34	174.19	1,034.63	-896.02	1,965.71	1,936.86	28.85	68.136		
3,300.00	3,245.72	2,800.83	2,708.63	16.19	18.02	174.91	1,064.58	-893.27	2,009.61	1,979.85	29.76	67.529		
3,400.00	3,343.72	2,910.00	2,812.23	16.69	18.84	175.68	1,098.91	-891.19	2,052.56	2,021.71	30.85	66.534		
3,500.00	3,441.73	3,002.11	2,899.95	17.18	19.52	176.26	1,127.01	-890.05	2,095.37	2,063.60	31.77	65.952		
3,600.00	3,539.73	3,122.20	3,014.74	17.68	20.39	176.96	1,162.24	-888.85	2,137.58	2,104.64	32.94	64.898		
3,700.00	3,637.73	3,215.29	3,104.02	18.18	21.04	177.45	1,188.57	-888.21	2,179.29	2,145.43	33.85	64.375		
3,800.00	3,735.73	3,320.06	3,204.52	18.68	21.78	178.01	1,218.17	-886.62	2,220.67	2,185.80	34.87	63.678		
3,900.00	3,833.74	3,416.89	3,297.59	19.18	22.46	178.49	1,244.86	-885.17	2,261.66	2,225.84	35.82	63.139		
4,000.00	3,931.74	3,577.89	3,453.33	19.67	23.52	179.15	1,285.59	-884.37	2,301.65	2,264.36	37.29	61.721		
4,100.00	4,029.74	3,672.77	3,545.59	20.17	24.13	179.51	1,307.68	-883.38	2,339.70	2,301.50	38.20	61.256		
4,200.00	4,127.75	3,746.23	3,616.83	20.67	24.60	179.80	1,325.53	-882.11	2,378.29	2,339.36	38.93	61.092		
4,300.00	4,225.75	3,818.99	3,687.23	21.18	25.09	-179.91	1,343.90	-880.77	2,417.66	2,378.00	39.66	60.959		
4,400.00	4,323.75	4,400.00	4,195.44	21.68	28.03	-178.76	1,426.66	-877.66	2,454.77	2,411.25	43.53	56.398		
4,500.00	4,421.76	4,488.02	4,348.21	22.18	28.30	-178.69	1,431.71	-876.50	2,476.90	2,432.60	44.30	55.912		
4,600.00	4,519.76	4,616.09	4,476.27	22.68	28.67	-178.71	1,432.13	-877.22	2,497.28	2,452.09	45.20	55.253		
4,700.00	4,617.76	4,738.59	4,598.74	23.18	29.00	-178.78	1,430.47	-879.28	2,516.92	2,470.87	46.04	54.663		
4,800.00	4,715.76	4,838.69	4,698.80	23.68	29.26	-178.86	1,428.26	-881.19	2,535.96	2,489.14	46.82	54.163		
4,900.00	4,813.77	4,931.44	4,791.54	24.18	29.51	-178.90	1,426.72	-882.29	2,555.10	2,507.52	47.58	53.705		
5,000.00	4,911.77	5,020.14	4,880.21	24.69	29.76	-178.95	1,425.58	-883.39	2,574.55	2,526.23	48.32	53.278		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,110.36	4,970.42	25.19	30.02	-178.99	1,424.72	-884.57	2,594.34	2,545.25	49.08	52.856		
5,200.00	5,107.78	5,196.71	5,056.76	25.69	30.28	-179.02	1,424.24	-885.70	2,614.45	2,564.62	49.83	52.465		
5,300.00	5,205.78	5,279.18	5,139.23	26.19	30.53	-179.05	1,424.20	-886.98	2,635.11	2,584.54	50.57	52.109		
5,400.00	5,303.78	5,368.23	5,228.26	26.70	30.81	-179.08	1,424.52	-888.58	2,656.23	2,604.89	51.34	51.740		
5,500.00	5,401.78	5,463.63	5,323.64	27.20	31.11	-179.12	1,425.05	-890.45	2,677.60	2,625.46	52.14	51.358		
5,600.00	5,499.79	5,566.98	5,426.98	27.70	31.44	-179.15	1,425.59	-892.28	2,698.85	2,645.88	52.97	50.951		
5,700.00	5,597.79	5,660.21	5,520.18	28.21	31.74	-179.19	1,425.89	-894.22	2,720.09	2,666.33	53.76	50.597		
5,800.00	5,695.79	5,749.49	5,609.43	28.71	32.03	-179.23	1,426.13	-896.47	2,741.52	2,686.99	54.54	50.269		
5,900.00	5,793.80	5,836.36	5,696.28	29.22	32.32	-179.27	1,426.88	-898.46	2,763.33	2,708.02	55.30	49.967		
6,000.00	5,891.80	5,923.76	5,783.64	29.72	32.62	-179.30	1,427.93	-900.60	2,785.49	2,729.42	56.08	49.674		
6,100.00	5,989.80	6,042.73	5,902.57	30.22	33.02	-179.34	1,429.40	-903.43	2,807.70	2,750.70	57.00	49.259		
6,200.00	6,087.80	6,150.59	6,010.43	30.73	33.39	-179.35	1,430.41	-904.61	2,828.91	2,771.04	57.87	48.881		
6,300.00	6,185.81	6,238.21	6,098.03	31.23	33.70	-179.36	1,431.32	-905.70	2,850.31	2,791.65	58.66	48.593		
6,400.00	6,283.81	6,317.58	6,177.38	31.74	33.98	-179.38	1,432.43	-907.00	2,872.21	2,812.81	59.40	48.353		
6,500.00	6,381.81	6,403.83	6,263.60	32.24	34.29	-179.39	1,434.04	-908.73	2,894.68	2,834.50	60.18	48.102		
6,520.79	6,402.19	6,423.29	6,283.05	32.35	34.36	-179.40	1,434.42	-909.13	2,899.38	2,839.03	60.35	48.045		
6,550.00	6,430.87	6,450.70	6,310.44	32.49	34.46	167.73	1,434.97	-909.71	2,905.65	2,845.07	60.58	47.961		
6,600.00	6,480.12	6,508.04	6,367.76	32.72	34.66	141.77	1,436.12	-910.90	2,914.83	2,853.80	61.03	47.762		
6,650.00	6,529.30	6,604.60	6,464.31	32.93	35.01	118.41	1,437.26	-912.23	2,921.44	2,859.80	61.64	47.392		
6,700.00	6,578.09	6,674.63	6,534.34	33.12	35.25	102.45	1,437.48	-912.53	2,925.39	2,863.28	62.10	47.104		
6,750.00	6,626.21	6,737.06	6,596.76	33.30	35.46	92.54	1,437.60	-912.29	2,927.05	2,864.54	62.51	46.826		
6,800.00	6,673.34	6,786.89	6,646.60	33.46	35.63	86.33	1,437.66	-911.81	2,926.56	2,863.72	62.84	46.571		
6,850.00	6,719.21	6,829.29	6,688.99	33.61	35.78	82.37	1,437.73	-911.43	2,924.17	2,861.05	63.13	46.323		
6,900.00	6,763.53	6,870.26	6,729.96	33.75	35.92	79.88	1,437.82	-911.12	2,919.98	2,856.59	63.39	46.062		
6,950.00	6,806.03	6,910.80	6,770.50	33.89	36.06	78.41	1,437.93	-910.85	2,914.08	2,850.43	63.65	45.783		
7,000.00	6,846.44	6,950.97	6,810.67	34.02	36.19	77.68	1,438.04	-910.59	2,906.53	2,842.62	63.91	45.482		
7,050.00	6,884.52	6,988.79	6,848.48	34.15	36.32	77.51	1,438.15	-910.35	2,897.46	2,833.31	64.15	45.164		
7,100.00	6,920.03	7,024.02	6,883.71	34.27	36.45	77.76	1,438.25	-910.13	2,887.01	2,822.61	64.40	44.828		
7,150.00	6,952.75	7,052.65	6,912.35	34.40	36.55	78.30	1,438.33	-909.96	2,875.34	2,810.70	64.64	44.482		
7,200.00	6,982.48	7,078.11	6,937.81	34.54	36.64	79.09	1,438.43	-909.86	2,862.63	2,797.74	64.89	44.113		
7,250.00	7,009.04	7,100.94	6,960.64	34.70	36.72	80.10	1,438.54	-909.81	2,849.04	2,783.87	65.17	43.720		
7,300.00	7,032.26	7,120.99	6,980.68	34.87	36.79	81.28	1,438.64	-909.79	2,834.70	2,769.23	65.47	43.299		
7,350.00	7,052.00	7,138.11	6,997.80	35.08	36.85	82.58	1,438.73	-909.80	2,819.77	2,753.96	65.80	42.851		
7,400.00	7,068.14	7,152.19	7,011.88	35.34	36.90	83.98	1,438.82	-909.82	2,804.39	2,738.21	66.18	42.377		
7,450.00	7,080.57	7,163.57	7,023.27	35.65	36.94	85.45	1,438.89	-909.84	2,788.71	2,722.12	66.59	41.877		
7,500.00	7,089.23	7,172.88	7,032.57	36.01	36.97	86.97	1,438.95	-909.86	2,772.86	2,705.80	67.05	41.353		
7,550.00	7,094.06	7,178.10	7,037.79	36.44	36.99	88.48	1,438.99	-909.87	2,756.96	2,689.42	67.54	40.817		
7,601.12	7,095.00	7,179.20	7,038.89	36.93	37.00	90.00	1,438.99	-909.88	2,740.80	2,672.72	68.08	40.259		
7,700.00	7,092.92	7,177.18	7,036.88	38.05	36.99	89.96	1,438.98	-909.87	2,711.31	2,642.06	69.25	39.154		
7,800.00	7,090.81	7,175.16	7,034.85	39.40	36.98	89.91	1,438.97	-909.87	2,684.86	2,614.23	70.63	38.015		
7,900.00	7,088.70	7,173.15	7,032.84	40.93	36.97	89.87	1,438.96	-909.86	2,661.90	2,589.72	72.19	36.876		
8,000.00	7,086.59	7,171.15	7,030.84	42.61	36.97	89.82	1,438.94	-909.86	2,642.54	2,568.63	73.90	35.757		
8,100.00	7,084.49	7,169.16	7,028.85	44.41	36.96	89.78	1,438.93	-909.86	2,626.83	2,551.07	75.76	34.674		
8,200.00	7,082.38	7,167.18	7,026.88	46.33	36.95	89.74	1,438.92	-909.85	2,614.86	2,537.14	77.72	33.642		
8,300.00	7,080.27	7,165.22	7,024.91	48.34	36.95	89.69	1,438.90	-909.85	2,606.67	2,526.89	79.78	32.673		
8,400.00	7,078.16	7,163.27	7,022.96	50.43	36.94	89.65	1,438.89	-909.84	2,602.30	2,520.40	81.90	31.772		
8,463.89	7,076.81	7,162.03	7,021.72	51.81	36.93	89.62	1,438.88	-909.84	2,601.52	2,518.22	83.29	31.233		
8,500.00	7,076.05	7,161.33	7,021.02	52.59	36.93	89.61	1,438.88	-909.84	2,601.77	2,517.69	84.07	30.947		
8,600.00	7,073.94	7,159.54	7,019.24	54.82	36.93	89.57	1,438.87	-909.83	2,605.07	2,518.81	86.26	30.199		
8,700.00	7,071.84	7,157.77	7,017.46	57.10	36.92	89.53	1,438.86	-909.83	2,612.20	2,523.75	88.46	29.531		
8,800.00	7,069.73	7,155.97	7,015.66	59.44	36.91	89.49	1,438.84	-909.82	2,623.13	2,532.50	90.64	28.941		
8,900.00	7,067.62	7,154.15	7,013.84	61.81	36.91	89.45	1,438.83	-909.82	2,637.80	2,545.02	92.78	28.429		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,065.51	7,152.30	7,012.00	64.23	36.90	89.41	1,438.82	-909.82	2,656.16	2,561.27	94.89	27.992		
9,100.00	7,063.40	7,150.43	7,010.13	66.68	36.89	89.37	1,438.81	-909.81	2,678.13	2,581.19	96.94	27.628		
9,200.00	7,061.29	7,148.54	7,008.24	69.15	36.89	89.33	1,438.80	-909.81	2,703.62	2,604.70	98.92	27.332		
9,300.00	7,059.18	7,146.62	7,006.32	71.66	36.88	89.28	1,438.79	-909.81	2,732.53	2,631.71	100.82	27.103		
9,400.00	7,057.08	7,144.68	7,004.38	74.19	36.87	89.24	1,438.77	-909.80	2,764.76	2,662.11	102.64	26.935		
9,500.00	7,054.97	7,142.72	7,002.41	76.75	36.87	89.20	1,438.76	-909.80	2,800.19	2,695.80	104.38	26.827		
9,600.00	7,052.86	7,140.72	7,000.42	79.32	36.86	89.15	1,438.75	-909.80	2,838.69	2,732.67	106.03	26.773		
9,700.00	7,050.75	7,138.70	6,998.40	81.91	36.85	89.11	1,438.74	-909.80	2,880.16	2,772.57	107.58	26.771 SF		
9,800.00	7,048.64	7,136.65	6,996.35	84.52	36.84	89.06	1,438.73	-909.80	2,924.46	2,815.41	109.05	26.818		
9,900.00	7,046.53	7,134.58	6,994.27	87.14	36.84	89.02	1,438.71	-909.79	2,971.46	2,861.03	110.42	26.910		
10,000.00	7,044.43	7,132.47	6,992.17	89.78	36.83	88.97	1,438.70	-909.79	3,021.04	2,909.33	111.71	27.044		
10,100.00	7,042.32	7,130.34	6,990.04	92.43	36.82	88.93	1,438.69	-909.79	3,073.07	2,960.16	112.91	27.218		
10,200.00	7,040.21	7,128.18	6,987.87	95.09	36.81	88.88	1,438.68	-909.79	3,127.44	3,013.42	114.02	27.428		
10,300.00	7,038.10	7,125.99	6,985.68	97.76	36.81	88.83	1,438.67	-909.79	3,184.02	3,068.96	115.06	27.673		
10,400.00	7,035.99	7,123.76	6,983.46	100.44	36.80	88.78	1,438.65	-909.79	3,242.69	3,126.67	116.02	27.950		
10,500.00	7,033.88	7,121.51	6,981.20	103.13	36.79	88.73	1,438.64	-909.79	3,303.35	3,186.44	116.90	28.257		
10,600.00	7,031.78	7,119.22	6,978.92	105.82	36.78	88.68	1,438.63	-909.79	3,365.88	3,248.16	117.72	28.592		
10,700.00	7,029.67	7,116.90	6,976.60	108.53	36.77	88.63	1,438.62	-909.79	3,430.19	3,311.72	118.47	28.954		
10,800.00	7,027.56	7,114.55	6,974.25	111.24	36.77	88.58	1,438.60	-909.79	3,496.17	3,377.01	119.16	29.339		
10,900.00	7,025.45	7,112.16	6,971.86	113.96	36.76	88.53	1,438.59	-909.80	3,563.74	3,443.94	119.80	29.747		
11,000.00	7,023.34	7,109.74	6,969.44	116.68	36.75	88.47	1,438.58	-909.80	3,632.80	3,512.42	120.38	30.177		
11,100.00	7,021.23	7,107.28	6,966.98	119.41	36.74	88.42	1,438.57	-909.80	3,703.28	3,582.36	120.92	30.627		
11,200.00	7,019.13	7,104.79	6,964.48	122.15	36.73	88.36	1,438.55	-909.80	3,775.08	3,653.68	121.40	31.095		
11,300.00	7,017.02	7,102.26	6,961.95	124.89	36.72	88.31	1,438.54	-909.81	3,848.15	3,726.30	121.85	31.581		
11,400.00	7,014.91	7,099.69	6,959.38	127.63	36.71	88.25	1,438.53	-909.81	3,922.40	3,800.14	122.26	32.083		
11,500.00	7,012.80	7,097.08	6,956.78	130.38	36.70	88.19	1,438.52	-909.81	3,997.77	3,875.14	122.63	32.600		
11,600.00	7,010.69	7,094.43	6,954.13	133.14	36.70	88.14	1,438.50	-909.82	4,074.20	3,951.23	122.97	33.132		
11,700.00	7,008.58	7,091.74	6,951.44	135.89	36.69	88.08	1,438.49	-909.83	4,151.63	4,028.36	123.27	33.678		
11,800.00	7,006.47	7,089.01	6,948.71	138.65	36.68	88.02	1,438.48	-909.83	4,230.01	4,106.45	123.55	34.236		
11,900.00	7,004.37	7,086.24	6,945.93	141.42	36.67	87.96	1,438.47	-909.84	4,309.28	4,185.47	123.81	34.806		
12,000.00	7,002.26	7,083.42	6,943.11	144.19	36.66	87.89	1,438.46	-909.85	4,389.39	4,265.36	124.04	35.388		
12,100.00	7,000.15	7,080.55	6,940.25	146.96	36.65	87.83	1,438.44	-909.85	4,470.31	4,346.06	124.24	35.980		
12,200.00	6,998.04	7,077.65	6,937.34	149.73	36.64	87.77	1,438.43	-909.86	4,551.98	4,427.55	124.43	36.582		
12,300.00	6,995.93	7,074.69	6,934.39	152.51	36.63	87.70	1,438.42	-909.87	4,634.37	4,509.77	124.60	37.194		
12,400.00	6,993.82	7,071.69	6,931.38	155.28	36.61	87.64	1,438.41	-909.88	4,717.44	4,592.69	124.75	37.815		
12,500.00	6,991.72	7,068.63	6,928.33	158.06	36.60	87.57	1,438.39	-909.89	4,801.15	4,676.26	124.89	38.444		
12,600.00	6,989.61	7,065.53	6,925.22	160.85	36.59	87.50	1,438.38	-909.91	4,885.47	4,760.46	125.01	39.081		
12,700.00	6,987.50	7,062.37	6,922.07	163.63	36.58	87.43	1,438.37	-909.92	4,970.38	4,845.26	125.12	39.725		
12,800.00	6,985.39	7,059.16	6,918.86	166.42	36.57	87.36	1,438.36	-909.93	5,055.83	4,930.61	125.22	40.377		
12,900.00	6,983.28	7,055.90	6,915.59	169.21	36.56	87.29	1,438.35	-909.95	5,141.81	5,016.50	125.30	41.035		
13,000.00	6,981.17	7,052.58	6,912.27	172.00	36.55	87.22	1,438.33	-909.96	5,228.28	5,102.90	125.38	41.700		
13,100.00	6,979.07	7,049.20	6,908.90	174.79	36.54	87.14	1,438.32	-909.98	5,315.23	5,189.78	125.44	42.371		
13,200.00	6,976.96	7,045.76	6,905.46	177.59	36.52	87.07	1,438.31	-910.00	5,402.62	5,277.12	125.50	43.048		
13,300.00	6,974.85	7,042.27	6,901.96	180.38	36.51	86.99	1,438.30	-910.01	5,490.45	5,364.90	125.55	43.730		
13,400.00	6,972.74	7,038.71	6,898.41	183.18	36.50	86.91	1,438.29	-910.03	5,578.68	5,453.09	125.60	44.418		
13,500.00	6,970.63	7,035.09	6,894.78	185.98	36.49	86.83	1,438.28	-910.06	5,667.31	5,541.67	125.63	45.110		
13,600.00	6,968.52	7,031.40	6,891.09	188.78	36.47	86.75	1,438.27	-910.08	5,756.30	5,630.64	125.66	45.807		
13,700.00	6,966.41	7,028.01	6,887.71	191.58	36.46	86.68	1,438.26	-910.10	5,845.65	5,719.96	125.69	46.508		
13,800.00	6,964.31	7,025.26	6,884.95	194.39	36.45	86.62	1,438.25	-910.12	5,935.33	5,809.62	125.72	47.212		
13,900.00	6,962.20	7,022.50	6,882.20	197.19	36.44	86.55	1,438.24	-910.14	6,025.34	5,899.61	125.74	47.921		
14,000.00	6,960.09	7,019.75	6,879.45	200.00	36.43	86.49	1,438.23	-910.15	6,115.66	5,989.91	125.75	48.633		
14,100.00	6,957.98	7,017.00	6,876.69	202.80	36.42	86.43	1,438.23	-910.17	6,206.28	6,080.51	125.76	49.348		

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

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,955.87	7,014.24	6,873.94	205.61	36.41	86.37	1,438.22	-910.19	6,297.18	6,171.40	125.77	50.067	
14,300.00	6,953.76	7,011.49	6,871.19	208.42	36.40	86.31	1,438.21	-910.21	6,388.34	6,262.56	125.78	50.789	
14,400.00	6,951.66	7,008.73	6,868.43	211.23	36.39	86.25	1,438.20	-910.22	6,479.77	6,353.99	125.79	51.515	
14,500.00	6,949.55	7,005.98	6,865.68	214.04	36.38	86.19	1,438.20	-910.24	6,571.45	6,445.66	125.79	52.243	
14,600.00	6,947.44	7,003.23	6,862.92	216.85	36.37	86.13	1,438.19	-910.26	6,663.36	6,537.58	125.79	52.973	
14,700.00	6,945.33	7,000.47	6,860.17	219.66	36.37	86.07	1,438.18	-910.28	6,755.51	6,629.72	125.78	53.707	
14,800.00	6,943.22	6,997.72	6,857.42	222.48	36.36	86.01	1,438.17	-910.29	6,847.87	6,722.09	125.78	54.443	
14,900.00	6,941.11	6,994.96	6,854.66	225.29	36.35	85.95	1,438.16	-910.31	6,940.44	6,814.67	125.78	55.181	
15,000.00	6,939.01	6,992.21	6,851.91	228.11	36.34	85.89	1,438.16	-910.33	7,033.22	6,907.45	125.77	55.922	
15,100.00	6,936.90	6,989.46	6,849.15	230.92	36.33	85.83	1,438.15	-910.35	7,126.19	7,000.43	125.76	56.664	
15,200.00	6,934.79	6,986.70	6,846.40	233.74	36.32	85.77	1,438.14	-910.36	7,219.34	7,093.59	125.75	57.409	
15,300.00	6,932.68	6,983.95	6,843.64	236.56	36.31	85.71	1,438.13	-910.38	7,312.68	7,186.94	125.74	58.156	
15,400.00	6,930.57	6,981.19	6,840.89	239.37	36.30	85.65	1,438.13	-910.40	7,406.19	7,280.46	125.73	58.904	
15,500.00	6,928.46	6,978.44	6,838.14	242.19	36.29	85.59	1,438.12	-910.42	7,499.87	7,374.14	125.72	59.655	
15,521.99	6,928.00	6,977.83	6,837.53	242.81	36.29	85.58	1,438.12	-910.42	7,520.48	7,394.76	125.72	59.820	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-67.32	392.74	-939.78	1,019.25					
100.00	100.00	57.46	57.46	3.28	3.29	-67.32	392.79	-939.86	1,018.65	1,012.08	6.57	154.996 CC, ES		
200.00	200.00	147.57	147.56	3.34	3.34	-67.31	393.24	-940.58	1,019.58	1,012.90	6.68	152.727		
300.00	299.98	262.80	262.78	3.44	3.46	146.18	394.99	-940.95	1,021.95	1,015.04	6.90	148.032		
400.00	399.84	418.97	418.59	3.59	3.74	146.93	401.81	-933.68	1,023.87	1,016.52	7.35	139.311		
500.00	499.45	537.55	536.46	3.79	4.03	147.80	408.07	-922.35	1,024.56	1,016.72	7.84	130.650		
600.00	598.70	648.54	646.51	4.04	4.36	148.80	414.42	-909.45	1,026.72	1,018.32	8.41	122.108		
700.00	697.47	740.21	737.18	4.32	4.68	149.78	421.57	-898.02	1,032.35	1,023.36	8.99	114.870		
773.50	769.68	809.97	805.86	4.55	4.95	150.69	429.21	-888.49	1,038.92	1,029.45	9.47	109.694		
800.00	795.65	835.45	830.89	4.64	5.05	151.07	432.30	-884.87	1,041.67	1,032.01	9.66	107.847		
900.00	893.65	945.35	938.54	5.00	5.53	152.76	446.80	-868.22	1,052.25	1,041.78	10.47	100.519		
1,000.00	991.65	1,073.10	1,062.23	5.38	6.18	154.97	466.75	-843.34	1,061.09	1,049.62	11.46	92.565		
1,100.00	1,089.66	1,189.89	1,174.51	5.78	6.86	157.06	485.33	-817.15	1,068.69	1,056.20	12.49	85.563		
1,200.00	1,187.66	1,303.72	1,283.40	6.20	7.57	159.12	502.63	-788.81	1,074.89	1,061.33	13.56	79.277		
1,300.00	1,285.66	1,390.28	1,366.11	6.63	8.13	160.68	515.66	-766.87	1,081.80	1,067.29	14.50	74.587		
1,400.00	1,383.67	1,472.84	1,444.95	7.07	8.68	162.17	529.07	-746.33	1,090.75	1,075.30	15.45	70.583		
1,500.00	1,481.67	1,559.11	1,527.24	7.51	9.27	163.74	543.94	-725.14	1,101.58	1,085.12	16.46	66.936		
1,600.00	1,579.67	1,658.51	1,621.59	7.97	9.98	165.59	562.39	-699.90	1,113.70	1,096.12	17.59	63.324		
1,700.00	1,677.67	1,759.09	1,717.10	8.43	10.72	167.40	580.13	-673.85	1,125.99	1,107.25	18.75	60.065		
1,800.00	1,775.68	1,868.32	1,820.68	8.90	11.53	169.34	598.94	-644.72	1,138.58	1,118.59	19.99	56.948		
1,900.00	1,873.68	1,949.47	1,897.66	9.37	12.14	170.75	612.68	-623.01	1,151.94	1,130.91	21.03	54.770		
2,000.00	1,971.68	2,027.38	1,971.86	9.84	12.71	172.03	625.97	-603.35	1,167.34	1,145.30	22.03	52.977		
2,100.00	2,069.69	2,122.32	2,062.21	10.32	13.42	173.58	642.95	-579.62	1,184.36	1,161.18	23.18	51.093		
2,200.00	2,167.69	2,215.63	2,151.03	10.80	14.12	175.06	659.35	-556.22	1,201.98	1,177.67	24.31	49.439		
2,300.00	2,265.69	2,311.18	2,242.10	11.28	14.83	176.51	675.89	-532.48	1,220.37	1,194.91	25.46	47.929		
2,400.00	2,363.69	2,422.44	2,348.39	11.77	15.65	178.11	693.47	-504.72	1,238.27	1,211.53	26.73	46.317		
2,500.00	2,461.70	2,490.00	2,413.14	12.25	16.14	179.03	704.21	-488.74	1,257.69	1,230.07	27.62	45.531		
2,600.00	2,559.70	2,599.74	2,518.16	12.74	16.95	-179.49	722.45	-462.60	1,278.27	1,249.39	28.88	44.260		
2,700.00	2,657.70	2,705.39	2,618.65	13.23	17.76	-178.03	739.58	-434.89	1,297.90	1,267.77	30.13	43.075		
2,800.00	2,755.71	2,788.38	2,697.44	13.72	18.40	-176.90	753.54	-412.86	1,318.59	1,287.41	31.18	42.292		
2,900.00	2,853.71	2,895.27	2,799.63	14.21	19.20	-175.58	770.65	-386.61	1,340.24	1,307.82	32.42	41.343		
3,000.00	2,951.71	2,993.07	2,893.54	14.70	19.90	-174.46	784.47	-363.06	1,361.01	1,327.46	33.55	40.566		
3,100.00	3,049.71	3,084.49	2,981.83	15.20	20.53	-173.53	796.88	-342.87	1,382.65	1,348.06	34.59	39.968		
3,200.00	3,147.72	3,173.02	3,068.07	15.69	21.09	-172.78	807.74	-326.10	1,404.86	1,369.29	35.56	39.501		
3,300.00	3,245.72	3,262.20	3,155.61	16.19	21.60	-172.18	817.73	-312.32	1,427.84	1,391.35	36.49	39.127		
3,400.00	3,343.72	3,350.99	3,243.19	16.69	22.07	-171.70	826.94	-301.10	1,451.42	1,414.04	37.37	38.836		
3,500.00	3,441.73	3,452.32	3,343.62	17.18	22.56	-171.31	836.25	-291.43	1,475.30	1,436.99	38.30	38.516		
3,600.00	3,539.73	3,570.49	3,461.21	17.68	23.06	-171.02	844.53	-283.21	1,498.35	1,459.06	39.29	38.132		
3,700.00	3,637.73	3,701.92	3,592.44	18.18	23.54	-170.91	849.31	-277.84	1,519.59	1,479.31	40.28	37.721		
3,800.00	3,735.73	3,813.69	3,704.16	18.68	23.91	-170.93	850.45	-275.01	1,539.10	1,497.97	41.13	37.419		
3,900.00	3,833.74	3,897.53	3,787.99	19.18	24.17	-170.97	851.04	-273.66	1,558.73	1,516.91	41.83	37.266		
4,000.00	3,931.74	3,995.31	3,885.76	19.67	24.46	-171.09	851.57	-273.89	1,578.96	1,536.39	42.58	37.084		
4,100.00	4,029.74	4,085.43	3,975.88	20.17	24.74	-171.18	852.25	-273.99	1,599.34	1,556.04	43.30	36.939		
4,200.00	4,127.75	4,171.36	4,061.80	20.67	25.01	-171.26	853.48	-274.11	1,620.32	1,576.33	44.00	36.827		
4,300.00	4,225.75	4,270.48	4,160.90	21.18	25.33	-171.34	855.29	-274.22	1,641.66	1,596.89	44.77	36.666		
4,400.00	4,323.75	4,355.66	4,246.06	21.68	25.60	-171.42	857.06	-274.53	1,663.32	1,617.84	45.48	36.576		
4,500.00	4,421.76	4,455.83	4,346.21	22.18	25.92	-171.51	859.33	-275.13	1,685.25	1,638.99	46.26	36.430		
4,600.00	4,519.76	4,555.75	4,446.11	22.68	26.25	-171.61	861.30	-275.98	1,707.03	1,659.99	47.04	36.287		
4,700.00	4,617.76	4,652.84	4,543.17	23.18	26.56	-171.71	863.03	-277.06	1,728.76	1,680.95	47.81	36.160		
4,800.00	4,715.76	4,754.67	4,644.98	23.68	26.88	-171.82	864.75	-278.45	1,750.52	1,701.92	48.60	36.019		
4,900.00	4,813.77	4,895.68	4,785.97	24.18	27.32	-171.99	865.42	-279.94	1,771.18	1,721.60	49.59	35.719		
5,000.00	4,911.77	5,030.19	4,920.45	24.69	27.75	-172.08	863.16	-277.94	1,788.56	1,738.03	50.53	35.397		

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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,117.44	5,007.67	25.19	28.03	-172.13	861.76	-276.20	1,806.00	1,754.73	51.26	35.230		
5,200.00	5,107.78	5,203.24	5,093.45	25.69	28.31	-172.18	860.83	-274.87	1,824.08	1,772.09	51.99	35.085		
5,300.00	5,205.78	5,299.47	5,189.68	26.19	28.63	-172.25	860.10	-273.98	1,842.72	1,789.96	52.76	34.924		
5,400.00	5,303.78	5,396.33	5,286.52	26.70	28.95	-172.31	859.23	-272.98	1,861.21	1,807.66	53.55	34.758		
5,500.00	5,401.78	5,488.20	5,378.39	27.20	29.27	-172.35	858.96	-271.55	1,880.00	1,825.68	54.32	34.613		
5,600.00	5,499.79	5,570.16	5,460.34	27.70	29.56	-172.39	858.98	-270.69	1,899.29	1,844.26	55.03	34.513		
5,700.00	5,597.79	5,653.55	5,543.73	28.21	29.85	-172.44	859.65	-270.33	1,919.53	1,863.77	55.76	34.427		
5,800.00	5,695.79	5,739.60	5,629.77	28.71	30.16	-172.49	860.83	-270.10	1,940.34	1,883.85	56.50	34.344		
5,900.00	5,793.80	5,829.74	5,719.89	29.22	30.49	-172.54	862.49	-270.25	1,961.75	1,904.49	57.26	34.260		
6,000.00	5,891.80	5,926.16	5,816.30	29.72	30.84	-172.60	864.28	-270.67	1,983.29	1,925.23	58.06	34.159		
6,100.00	5,989.80	6,062.41	5,952.53	30.22	31.31	-172.73	865.40	-272.08	2,004.29	1,945.21	59.09	33.921		
6,200.00	6,087.80	6,187.14	6,077.25	30.73	31.72	-172.86	864.01	-273.17	2,023.45	1,963.44	60.01	33.718		
6,300.00	6,185.81	6,280.44	6,170.53	31.23	32.03	-172.94	862.51	-272.95	2,041.69	1,980.91	60.78	33.593		
6,400.00	6,283.81	6,355.96	6,246.05	31.74	32.28	-173.00	861.98	-273.06	2,060.88	1,999.43	61.45	33.539		
6,500.00	6,381.81	6,436.26	6,326.34	32.24	32.56	-173.08	862.01	-273.91	2,081.11	2,018.97	62.14	33.490		
6,520.79	6,402.19	6,454.87	6,344.95	32.35	32.62	-173.10	862.06	-274.18	2,085.39	2,023.10	62.30	33.475		
6,550.00	6,430.87	6,481.07	6,371.15	32.49	32.71	174.03	862.14	-274.59	2,091.17	2,028.66	62.51	33.451		
6,600.00	6,480.12	6,523.65	6,413.73	32.72	32.86	148.03	862.34	-275.31	2,099.87	2,037.00	62.86	33.403		
6,650.00	6,529.30	6,565.31	6,455.37	32.93	33.01	124.46	862.70	-276.02	2,107.08	2,043.89	63.20	33.341		
6,700.00	6,578.09	6,606.24	6,496.29	33.12	33.15	108.27	863.21	-276.73	2,112.80	2,049.28	63.52	33.264		
6,750.00	6,626.21	6,646.34	6,536.38	33.30	33.30	98.09	863.84	-277.52	2,117.04	2,053.22	63.82	33.173		
6,800.00	6,673.34	6,685.49	6,575.51	33.46	33.44	91.63	864.56	-278.38	2,119.82	2,055.71	64.11	33.068		
6,850.00	6,719.21	6,723.17	6,613.18	33.61	33.57	87.43	865.39	-279.29	2,121.20	2,056.82	64.38	32.949		
6,900.00	6,763.53	6,759.67	6,649.65	33.75	33.70	84.68	866.32	-280.24	2,121.26	2,056.62	64.64	32.817		
6,950.00	6,806.03	6,797.10	6,687.06	33.89	33.84	82.94	867.39	-281.25	2,120.05	2,055.14	64.91	32.661		
7,000.00	6,846.44	6,832.94	6,722.86	34.02	33.97	81.90	868.50	-282.23	2,117.64	2,052.46	65.18	32.489		
7,050.00	6,884.52	6,871.82	6,761.70	34.15	34.11	81.46	869.79	-283.29	2,114.14	2,048.65	65.49	32.284		
7,100.00	6,920.03	6,914.74	6,804.60	34.27	34.27	81.56	871.17	-284.27	2,109.53	2,043.68	65.85	32.037		
7,150.00	6,952.75	6,954.04	6,843.87	34.40	34.41	81.95	872.38	-284.97	2,103.95	2,037.74	66.21	31.777		
7,200.00	6,982.48	6,975.96	6,865.77	34.54	34.49	82.25	873.10	-285.38	2,097.74	2,031.25	66.49	31.549		
7,250.00	7,009.04	6,998.63	6,888.42	34.70	34.58	82.78	873.87	-285.83	2,091.06	2,024.24	66.82	31.293		
7,300.00	7,032.26	7,018.64	6,908.42	34.87	34.65	83.42	874.59	-286.25	2,084.05	2,016.87	67.19	31.019		
7,350.00	7,052.00	7,035.95	6,925.71	35.08	34.72	84.12	875.23	-286.64	2,076.86	2,009.27	67.59	30.729		
7,400.00	7,068.14	7,050.42	6,940.16	35.34	34.77	84.86	875.79	-286.96	2,069.60	2,001.57	68.03	30.423		
7,450.00	7,080.57	7,061.77	6,951.50	35.65	34.82	85.60	876.24	-287.21	2,062.40	1,993.89	68.51	30.105		
7,500.00	7,089.23	7,069.95	6,959.67	36.01	34.85	86.30	876.57	-287.40	2,055.36	1,986.34	69.02	29.779		
7,550.00	7,094.06	7,074.90	6,964.63	36.44	34.87	86.97	876.78	-287.51	2,048.57	1,979.01	69.57	29.448		
7,601.12	7,095.00	7,076.61	6,966.33	36.93	34.87	87.59	876.85	-287.55	2,041.97	1,971.83	70.15	29.109		
7,700.00	7,092.92	7,076.63	6,966.35	38.05	34.87	87.59	876.85	-287.55	2,031.95	1,960.56	71.38	28.465		
7,800.00	7,090.81	7,076.65	6,966.37	39.40	34.87	87.59	876.85	-287.55	2,026.67	1,953.89	72.77	27.849		
7,857.12	7,089.61	7,076.66	6,966.38	40.27	34.87	87.59	876.85	-287.55	2,025.86	1,952.23	73.63	27.512		
7,900.00	7,088.70	7,076.67	6,966.39	40.93	34.87	87.59	876.85	-287.55	2,026.32	1,952.05	74.27	27.283		
8,000.00	7,086.59	7,076.68	6,966.40	42.61	34.87	87.59	876.85	-287.55	2,030.90	1,955.06	75.84	26.779		
8,100.00	7,084.49	7,076.70	6,966.42	44.41	34.87	87.59	876.85	-287.55	2,040.37	1,962.92	77.45	26.344		
8,200.00	7,082.38	7,076.72	6,966.44	46.33	34.87	87.59	876.85	-287.55	2,054.68	1,975.60	79.07	25.985		
8,300.00	7,080.27	7,076.74	6,966.46	48.34	34.87	87.59	876.85	-287.55	2,073.71	1,993.03	80.68	25.704		
8,400.00	7,078.16	7,076.75	6,966.47	50.43	34.87	87.59	876.85	-287.55	2,097.34	2,015.10	82.25	25.501		
8,500.00	7,076.05	7,076.77	6,966.49	52.59	34.87	87.59	876.85	-287.55	2,125.42	2,041.66	83.76	25.375		
8,600.00	7,073.94	7,076.79	6,966.51	54.82	34.87	87.59	876.85	-287.55	2,157.78	2,072.57	85.21	25.324 SF		
8,700.00	7,071.84	7,076.81	6,966.53	57.10	34.87	87.59	876.85	-287.55	2,194.21	2,107.64	86.58	25.344		
8,800.00	7,069.73	7,076.83	6,966.54	59.44	34.87	87.59	876.86	-287.55	2,234.54	2,146.67	87.87	25.431		
8,900.00	7,067.62	7,076.84	6,966.56	61.81	34.87	87.59	876.86	-287.55	2,278.54	2,189.47	89.07	25.582		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,065.51	7,076.86	6,966.58	64.23	34.87	87.59	876.86	-287.55	2,326.01	2,235.82	90.18	25.792		
9,100.00	7,063.40	7,076.88	6,966.60	66.68	34.87	87.59	876.86	-287.55	2,376.74	2,285.52	91.22	26.056		
9,200.00	7,061.29	7,076.89	6,966.61	69.15	34.87	87.59	876.86	-287.55	2,430.53	2,338.36	92.16	26.372		
9,300.00	7,059.18	7,076.91	6,966.63	71.66	34.87	87.60	876.86	-287.55	2,487.17	2,394.14	93.03	26.734		
9,400.00	7,057.08	7,076.93	6,966.65	74.19	34.87	87.60	876.86	-287.55	2,546.49	2,452.66	93.83	27.139		
9,500.00	7,054.97	7,076.95	6,966.67	76.75	34.87	87.60	876.86	-287.55	2,608.29	2,513.74	94.55	27.585		
9,600.00	7,052.86	7,076.96	6,966.68	79.32	34.87	87.60	876.86	-287.55	2,672.41	2,577.19	95.22	28.067		
9,700.00	7,050.75	7,076.98	6,966.70	81.91	34.87	87.60	876.86	-287.55	2,738.67	2,642.86	95.82	28.583		
9,800.00	7,048.64	7,077.00	6,966.72	84.52	34.87	87.60	876.86	-287.55	2,806.94	2,710.58	96.36	29.130		
9,900.00	7,046.53	7,077.02	6,966.74	87.14	34.87	87.60	876.86	-287.55	2,877.06	2,780.21	96.85	29.705		
10,000.00	7,044.43	7,077.03	6,966.75	89.78	34.87	87.60	876.86	-287.55	2,948.91	2,851.61	97.30	30.307		
10,100.00	7,042.32	7,077.05	6,966.77	92.43	34.87	87.60	876.86	-287.56	3,022.36	2,924.65	97.71	30.933		
10,200.00	7,040.21	7,077.07	6,966.79	95.09	34.87	87.60	876.87	-287.56	3,097.29	2,999.22	98.07	31.581		
10,300.00	7,038.10	7,077.09	6,966.80	97.76	34.87	87.60	876.87	-287.56	3,173.61	3,075.20	98.41	32.250		
10,400.00	7,035.99	7,077.10	6,966.82	100.44	34.87	87.60	876.87	-287.56	3,251.21	3,152.50	98.71	32.938		
10,500.00	7,033.88	7,077.12	6,966.84	103.13	34.87	87.60	876.87	-287.56	3,330.01	3,231.03	98.98	33.643		
10,600.00	7,031.78	7,077.14	6,966.86	105.82	34.87	87.60	876.87	-287.56	3,409.92	3,310.69	99.23	34.364		
10,700.00	7,029.67	7,077.15	6,966.87	108.53	34.87	87.60	876.87	-287.56	3,490.86	3,391.41	99.45	35.101		
10,800.00	7,027.56	7,077.17	6,966.89	111.24	34.87	87.60	876.87	-287.56	3,572.77	3,473.11	99.66	35.851		
10,900.00	7,025.45	7,077.19	6,966.91	113.96	34.87	87.60	876.87	-287.56	3,655.58	3,555.74	99.84	36.614		
11,000.00	7,023.34	7,077.21	6,966.93	116.68	34.87	87.60	876.87	-287.56	3,739.23	3,639.22	100.01	37.389		
11,100.00	7,021.23	7,077.22	6,966.94	119.41	34.87	87.60	876.87	-287.56	3,823.66	3,723.50	100.16	38.176		
11,200.00	7,019.13	7,077.24	6,966.96	122.15	34.87	87.60	876.87	-287.56	3,908.83	3,808.54	100.30	38.972		
11,300.00	7,017.02	7,077.26	6,966.98	124.89	34.87	87.61	876.87	-287.56	3,994.69	3,894.27	100.42	39.778		
11,400.00	7,014.91	7,077.27	6,966.99	127.63	34.87	87.61	876.87	-287.56	4,081.19	3,980.65	100.54	40.593		
11,500.00	7,012.80	7,077.29	6,967.01	130.38	34.87	87.61	876.87	-287.56	4,168.30	4,067.65	100.64	41.416		
11,600.00	7,010.69	7,077.31	6,967.03	133.14	34.87	87.61	876.88	-287.56	4,255.97	4,155.23	100.74	42.247		
11,700.00	7,008.58	7,077.33	6,967.04	135.89	34.87	87.61	876.88	-287.56	4,344.18	4,243.35	100.83	43.085		
11,800.00	7,006.47	7,077.34	6,967.06	138.65	34.87	87.61	876.88	-287.56	4,432.88	4,331.97	100.91	43.930		
11,900.00	7,004.37	7,077.36	6,967.08	141.42	34.87	87.61	876.88	-287.56	4,522.06	4,421.08	100.98	44.781		
12,000.00	7,002.26	7,077.38	6,967.10	144.19	34.87	87.61	876.88	-287.56	4,611.68	4,510.63	101.05	45.638		
12,100.00	7,000.15	7,077.39	6,967.11	146.96	34.87	87.61	876.88	-287.56	4,701.72	4,600.61	101.11	46.500		
12,200.00	6,998.04	7,077.41	6,967.13	149.73	34.87	87.61	876.88	-287.56	4,792.16	4,690.99	101.17	47.368		
12,300.00	6,995.93	7,077.43	6,967.15	152.51	34.87	87.61	876.88	-287.56	4,882.96	4,781.74	101.22	48.240		
12,400.00	6,993.82	7,077.44	6,967.16	155.28	34.87	87.61	876.88	-287.56	4,974.12	4,872.85	101.27	49.116		
12,500.00	6,991.72	7,077.46	6,967.18	158.06	34.87	87.61	876.88	-287.56	5,065.62	4,964.30	101.32	49.997		
12,600.00	6,989.61	7,077.48	6,967.20	160.85	34.87	87.61	876.88	-287.56	5,157.43	5,056.07	101.36	50.882		
12,700.00	6,987.50	7,077.50	6,967.21	163.63	34.87	87.61	876.88	-287.57	5,249.54	5,148.14	101.40	51.770		
12,800.00	6,985.39	7,077.51	6,967.23	166.42	34.88	87.61	876.88	-287.57	5,341.93	5,240.49	101.44	52.661		
12,900.00	6,983.28	7,077.53	6,967.25	169.21	34.88	87.61	876.88	-287.57	5,434.59	5,333.12	101.47	53.556		
13,000.00	6,981.17	7,077.55	6,967.26	172.00	34.88	87.61	876.89	-287.57	5,527.51	5,426.00	101.51	54.454		
13,100.00	6,979.07	7,077.56	6,967.28	174.79	34.88	87.61	876.89	-287.57	5,620.67	5,519.13	101.54	55.354		
13,200.00	6,976.96	7,077.58	6,967.30	177.59	34.88	87.61	876.89	-287.57	5,714.06	5,612.49	101.57	56.257		
13,300.00	6,974.85	7,077.60	6,967.32	180.38	34.88	87.61	876.89	-287.57	5,807.68	5,706.08	101.60	57.162		
13,400.00	6,972.74	7,077.61	6,967.33	183.18	34.88	87.62	876.89	-287.57	5,901.50	5,799.87	101.63	58.070		
13,500.00	6,970.63	7,077.63	6,967.35	185.98	34.88	87.62	876.89	-287.57	5,995.52	5,893.86	101.65	58.980		
13,600.00	6,968.52	7,077.65	6,967.37	188.78	34.88	87.62	876.89	-287.57	6,089.73	5,988.05	101.68	59.891		
13,700.00	6,966.41	7,077.66	6,967.38	191.58	34.88	87.62	876.89	-287.57	6,184.12	6,082.42	101.71	60.804		
13,800.00	6,964.31	7,077.68	6,967.40	194.39	34.88	87.62	876.89	-287.57	6,278.69	6,176.96	101.73	61.719		
13,900.00	6,962.20	7,077.70	6,967.42	197.19	34.88	87.62	876.89	-287.57	6,373.43	6,271.67	101.75	62.636		
14,000.00	6,960.09	7,077.71	6,967.43	200.00	34.88	87.62	876.89	-287.57	6,468.32	6,366.54	101.78	63.553		
14,100.00	6,957.98	7,077.73	6,967.45	202.80	34.88	87.62	876.89	-287.57	6,563.36	6,461.56	101.80	64.472		

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

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,955.87	7,077.75	6,967.47	205.61	34.88	87.62	876.89	-287.57	6,658.55	6,556.73	101.82	65.393	
14,300.00	6,953.76	7,077.76	6,967.48	208.42	34.88	87.62	876.89	-287.57	6,753.88	6,652.03	101.85	66.314	
14,400.00	6,951.66	7,077.78	6,967.50	211.23	34.88	87.62	876.89	-287.57	6,849.34	6,747.47	101.87	67.236	
14,500.00	6,949.55	7,077.80	6,967.52	214.04	34.88	87.62	876.90	-287.57	6,944.93	6,843.03	101.89	68.159	
14,600.00	6,947.44	7,077.81	6,967.53	216.85	34.88	87.62	876.90	-287.57	7,040.64	6,938.72	101.92	69.083	
14,700.00	6,945.33	7,077.83	6,967.55	219.66	34.88	87.62	876.90	-287.57	7,136.47	7,034.53	101.94	70.008	
14,800.00	6,943.22	7,077.85	6,967.57	222.48	34.88	87.62	876.90	-287.57	7,232.41	7,130.45	101.96	70.933	
14,900.00	6,941.11	7,077.86	6,967.58	225.29	34.88	87.62	876.90	-287.57	7,328.46	7,226.48	101.98	71.859	
15,000.00	6,939.01	7,077.88	6,967.60	228.11	34.88	87.62	876.90	-287.57	7,424.61	7,322.61	102.01	72.785	
15,100.00	6,936.90	7,077.90	6,967.62	230.92	34.88	87.62	876.90	-287.57	7,520.87	7,418.84	102.03	73.712	
15,200.00	6,934.79	7,077.91	6,967.63	233.74	34.88	87.62	876.90	-287.57	7,617.22	7,515.17	102.05	74.639	
15,300.00	6,932.68	7,077.93	6,967.65	236.56	34.88	87.62	876.90	-287.57	7,713.66	7,611.59	102.08	75.566	
15,400.00	6,930.57	7,077.95	6,967.66	239.37	34.88	87.62	876.90	-287.58	7,810.20	7,708.10	102.10	76.493	
15,500.00	6,928.46	7,077.96	6,967.68	242.19	34.88	87.63	876.90	-287.58	7,906.82	7,804.69	102.13	77.421	
15,521.99	6,928.00	7,077.97	6,967.68	242.81	34.88	87.63	876.90	-287.58	7,928.07	7,825.94	102.13	77.625	

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-66.62	408.04	-943.96	1,029.15					
100.00	100.00	55.93	55.93	3.28	3.29	-66.62	408.14	-944.00	1,028.46	1,021.89	6.57	156.500 CC, ES		
200.00	200.00	146.67	146.67	3.34	3.34	-66.58	409.06	-944.44	1,029.30	1,022.63	6.67	154.209		
300.00	299.98	243.40	243.37	3.44	3.44	146.89	410.94	-945.21	1,032.27	1,025.39	6.88	149.995		
400.00	399.84	327.29	327.22	3.59	3.57	147.03	413.17	-946.34	1,038.98	1,031.81	7.17	144.909		
500.00	499.45	398.98	398.83	3.79	3.71	147.18	415.87	-948.53	1,050.64	1,043.12	7.53	139.611		
600.00	598.70	469.87	469.50	4.04	3.86	147.36	419.79	-952.32	1,068.00	1,060.06	7.95	134.400		
700.00	697.47	542.14	541.41	4.32	4.05	147.57	424.90	-957.49	1,090.61	1,082.18	8.42	129.500		
773.50	769.68	592.90	591.80	4.55	4.20	147.71	428.84	-962.10	1,110.56	1,101.77	8.80	126.263		
800.00	795.65	614.00	612.72	4.64	4.26	147.86	430.53	-964.28	1,118.36	1,109.42	8.94	125.093		
900.00	893.65	686.86	684.85	5.00	4.50	148.36	436.45	-972.66	1,148.92	1,139.45	9.48	121.241		
1,000.00	991.65	761.85	758.93	5.38	4.77	148.84	442.89	-982.43	1,181.14	1,171.09	10.04	117.619		
1,100.00	1,089.66	848.00	843.85	5.78	5.11	149.37	450.90	-994.50	1,214.59	1,203.93	10.66	113.888		
1,200.00	1,187.66	922.11	916.81	6.20	5.42	149.78	457.59	-1,005.66	1,248.95	1,237.68	11.27	110.818		
1,300.00	1,285.66	982.00	975.53	6.63	5.69	150.02	461.98	-1,016.54	1,285.29	1,273.46	11.83	108.621		
1,400.00	1,383.67	1,037.30	1,029.42	7.07	5.96	150.19	465.96	-1,028.28	1,324.16	1,311.79	12.38	106.973		
1,500.00	1,481.67	1,090.75	1,081.11	7.51	6.24	150.34	470.59	-1,041.10	1,365.84	1,352.93	12.91	105.783		
1,600.00	1,579.67	1,158.00	1,145.67	7.97	6.62	150.52	477.02	-1,058.78	1,409.78	1,396.27	13.51	104.342		
1,700.00	1,677.67	1,244.00	1,227.99	8.43	7.14	150.72	485.35	-1,082.21	1,454.67	1,440.45	14.22	102.292		
1,800.00	1,775.68	1,309.41	1,290.54	8.90	7.56	150.87	491.86	-1,100.21	1,499.94	1,485.11	14.83	101.168		
1,900.00	1,873.68	1,394.43	1,371.58	9.37	8.12	151.10	501.82	-1,123.91	1,546.30	1,530.75	15.56	99.407		
2,000.00	1,971.68	1,465.65	1,439.48	9.84	8.61	151.35	511.71	-1,142.97	1,592.83	1,576.62	16.21	98.282		
2,100.00	2,069.69	1,527.97	1,498.58	10.32	9.06	151.56	520.75	-1,160.57	1,640.81	1,624.01	16.80	97.658		
2,200.00	2,167.69	1,598.48	1,565.16	10.80	9.58	151.79	531.40	-1,181.16	1,689.87	1,672.41	17.46	96.812		
2,300.00	2,265.69	1,700.07	1,661.08	11.28	10.35	152.13	547.67	-1,210.39	1,739.05	1,720.71	18.34	94.829		
2,400.00	2,363.69	1,801.38	1,757.03	11.77	11.12	152.52	564.98	-1,237.92	1,787.52	1,768.29	19.23	92.958		
2,500.00	2,461.70	1,901.22	1,851.83	12.25	11.87	152.93	582.93	-1,263.59	1,835.32	1,815.20	20.12	91.236		
2,600.00	2,559.70	2,004.90	1,950.47	12.74	12.64	153.34	601.33	-1,289.71	1,882.68	1,861.64	21.04	89.486		
2,700.00	2,657.70	2,085.77	2,027.59	13.23	13.25	153.63	615.32	-1,309.61	1,929.42	1,907.63	21.80	88.519		
2,800.00	2,755.71	2,159.62	2,097.73	13.72	13.81	153.89	628.32	-1,328.70	1,977.25	1,954.74	22.50	87.863		
2,900.00	2,853.71	2,274.11	2,206.84	14.21	14.68	154.24	647.47	-1,357.63	2,024.19	2,000.65	23.53	86.016		
3,000.00	2,951.71	2,346.86	2,276.19	14.70	15.23	154.43	658.80	-1,376.45	2,071.15	2,046.91	24.24	85.446		
3,100.00	3,049.71	2,411.62	2,337.70	15.20	15.74	154.60	669.64	-1,393.56	2,119.12	2,094.24	24.88	85.166		
3,200.00	3,147.72	2,490.00	2,412.06	15.69	16.36	154.81	683.19	-1,414.34	2,167.49	2,141.85	25.64	84.546		
3,300.00	3,245.72	2,548.78	2,467.66	16.19	16.83	154.98	694.00	-1,430.04	2,216.67	2,190.44	26.23	84.514		
3,400.00	3,343.72	2,602.77	2,518.41	16.69	17.28	155.15	705.04	-1,444.75	2,267.25	2,240.47	26.77	84.679		
3,500.00	3,441.73	2,665.00	2,576.63	17.18	17.81	155.36	718.85	-1,461.87	2,318.94	2,291.55	27.39	84.665		
3,600.00	3,539.73	2,727.27	2,637.19	17.68	18.38	155.59	733.45	-1,479.43	2,370.50	2,343.98	28.03	84.665		
3,700.00	3,637.73	2,792.27	2,697.19	18.18	18.98	155.83	748.75	-1,497.43	2,423.91	2,397.48	28.73	84.665		
3,800.00	3,735.73	2,859.36	2,759.16	18.68	19.61	156.08	764.84	-1,515.84	2,478.06	2,452.63	29.48	84.665		
3,900.00	3,833.74	2,927.15	2,822.93	19.18	20.28	156.34	781.71	-1,534.66	2,533.06	2,508.63	30.28	84.665		
4,000.00	3,931.74	3,000.00	2,894.28	19.67	21.00	156.61	799.36	-1,553.89	2,588.91	2,564.48	31.13	84.665		
4,100.00	4,029.74	3,077.12	2,965.84	20.17	21.77	156.89	817.79	-1,573.54	2,645.54	2,621.11	32.03	84.665		
4,200.00	4,127.75	3,158.69	3,042.69	20.67	22.59	157.18	836.99	-1,593.69	2,702.97	2,678.54	32.98	84.665		
4,300.00	4,225.75	3,241.37	3,124.04	21.18	23.46	157.48	856.96	-1,614.24	2,761.20	2,736.77	33.98	84.665		
4,400.00	4,323.75	3,324.41	3,209.06	21.68	24.38	157.79	877.69	-1,635.29	2,820.33	2,795.80	35.03	84.665		
4,500.00	4,421.76	3,407.92	3,297.56	22.18	25.35	158.11	899.19	-1,656.74	2,880.36	2,855.73	36.13	84.665		
4,600.00	4,519.76	3,491.30	3,389.99	22.68	26.37	158.44	921.46	-1,678.59	2,941.19	2,916.56	37.28	84.665		
4,700.00	4,617.76	3,574.38	3,486.99	23.18	27.45	158.78	944.50	-1,699.84	3,002.82	2,978.19	38.48	84.665		
4,800.00	4,715.76	3,657.37	3,589.95	23.68	28.59	159.13	968.31	-1,721.49	3,065.25	3,040.62	39.73	84.665		
4,900.00	4,813.77	3,740.03	3,697.60	24.18	29.78	159.49	992.89	-1,743.64	3,128.48	3,103.85	41.03	84.665		
5,000.00	4,911.77	3,822.62	3,809.18	24.69	31.02	160.46	1,018.06	-1,766.29	3,192.61	3,168.98	42.38	84.665		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	5,086.90	4,975.46	25.19	27.66	160.58	843.56	-1,588.34	2,640.54	2,594.41	46.13	57.240		
5,200.00	5,107.78	5,171.29	5,059.85	25.69	27.94	160.71	843.62	-1,588.31	2,659.36	2,612.43	46.93	56.669		
5,300.00	5,205.78	5,249.30	5,137.86	26.19	28.21	160.82	843.95	-1,588.73	2,678.84	2,631.14	47.71	56.152		
5,400.00	5,303.78	5,350.96	5,239.51	26.70	28.57	160.96	844.25	-1,589.62	2,698.52	2,649.94	48.59	55.535		
5,500.00	5,401.78	5,424.00	5,312.55	27.20	28.83	161.05	844.47	-1,590.67	2,718.68	2,669.33	49.35	55.094		
5,600.00	5,499.79	5,499.20	5,387.73	27.70	29.11	161.15	845.21	-1,592.19	2,739.69	2,689.58	50.11	54.674		
5,700.00	5,597.79	5,587.42	5,475.91	28.21	29.44	161.27	847.06	-1,593.94	2,761.35	2,710.42	50.93	54.214		
5,800.00	5,695.79	5,795.81	5,684.27	28.71	30.15	161.57	848.20	-1,593.76	2,779.75	2,727.48	52.27	53.184		
5,900.00	5,793.80	5,873.00	5,761.46	29.22	30.41	161.68	847.91	-1,593.37	2,798.03	2,745.00	53.03	52.767		
6,000.00	5,891.80	5,959.84	5,848.30	29.72	30.70	161.78	847.69	-1,593.48	2,816.89	2,763.06	53.83	52.325		
6,100.00	5,989.80	6,045.60	5,934.06	30.22	31.01	161.89	847.64	-1,593.90	2,836.16	2,781.51	54.65	51.900		
6,200.00	6,087.80	6,121.20	6,009.66	30.73	31.29	161.98	847.88	-1,594.61	2,856.01	2,800.60	55.41	51.540		
6,300.00	6,185.81	6,192.29	6,080.73	31.23	31.56	162.06	848.52	-1,595.71	2,876.72	2,820.56	56.16	51.228		
6,400.00	6,283.81	6,266.59	6,155.01	31.74	31.85	162.15	849.67	-1,597.39	2,898.33	2,841.42	56.91	50.928		
6,500.00	6,381.81	6,465.82	6,354.19	32.24	32.60	162.41	852.36	-1,599.65	2,919.43	2,861.16	58.28	50.095		
6,520.79	6,402.19	6,505.72	6,394.08	32.35	32.74	162.44	851.81	-1,599.71	2,923.23	2,864.69	58.54	49.933		
6,550.00	6,430.87	6,520.09	6,408.45	32.49	32.79	149.79	851.63	-1,599.77	2,928.09	2,869.36	58.73	49.857		
6,600.00	6,480.12	6,558.83	6,447.19	32.72	32.92	124.18	851.12	-1,599.97	2,934.20	2,875.10	59.11	49.643		
6,650.00	6,529.30	6,641.67	6,530.02	32.93	33.21	101.15	850.02	-1,600.30	2,937.40	2,877.74	59.66	49.233		
6,700.00	6,578.09	6,718.19	6,606.52	33.12	33.47	85.56	848.51	-1,599.54	2,936.80	2,876.64	60.17	48.812		
6,750.00	6,626.21	6,775.38	6,663.69	33.30	33.66	75.95	847.35	-1,598.67	2,933.11	2,872.54	60.57	48.426		
6,800.00	6,673.34	6,803.98	6,692.28	33.46	33.76	69.95	846.93	-1,598.21	2,926.70	2,865.86	60.84	48.102		
6,850.00	6,719.21	6,836.82	6,725.12	33.61	33.87	66.27	846.63	-1,597.70	2,917.71	2,856.59	61.12	47.738		
6,900.00	6,763.53	6,869.79	6,758.08	33.75	33.98	64.09	846.51	-1,597.20	2,906.22	2,844.84	61.38	47.347		
6,950.00	6,806.03	6,902.43	6,790.72	33.89	34.10	62.97	846.47	-1,596.79	2,892.32	2,830.69	61.63	46.927		
7,000.00	6,846.44	6,933.50	6,821.79	34.02	34.21	62.63	846.50	-1,596.47	2,876.11	2,814.24	61.87	46.483		
7,050.00	6,884.52	6,965.03	6,853.32	34.15	34.32	62.95	846.60	-1,596.21	2,857.72	2,795.61	62.12	46.005		
7,100.00	6,920.03	6,995.24	6,883.53	34.27	34.43	63.80	846.76	-1,595.98	2,837.28	2,774.92	62.36	45.498		
7,150.00	6,952.75	7,023.05	6,911.33	34.40	34.53	65.11	846.95	-1,595.78	2,814.94	2,752.33	62.60	44.964		
7,200.00	6,982.48	7,048.28	6,936.57	34.54	34.63	66.83	847.18	-1,595.60	2,790.89	2,728.03	62.86	44.401		
7,250.00	7,009.04	7,070.79	6,959.08	34.70	34.71	68.92	847.42	-1,595.45	2,765.32	2,702.20	63.12	43.811		
7,300.00	7,032.26	7,090.44	6,978.73	34.87	34.78	71.34	847.66	-1,595.33	2,738.43	2,675.03	63.40	43.190		
7,350.00	7,052.00	7,107.11	6,995.39	35.08	34.84	74.04	847.88	-1,595.23	2,710.42	2,646.71	63.71	42.541		
7,400.00	7,068.14	7,120.94	7,009.22	35.34	34.89	76.99	848.08	-1,595.16	2,681.50	2,617.44	64.05	41.864		
7,450.00	7,080.57	7,132.84	7,021.12	35.65	34.94	80.17	848.25	-1,595.09	2,651.86	2,587.43	64.43	41.156		
7,500.00	7,089.23	7,141.05	7,029.33	36.01	34.97	83.48	848.37	-1,595.05	2,621.73	2,556.88	64.85	40.428		
7,550.00	7,094.06	7,145.52	7,033.79	36.44	34.99	86.87	848.43	-1,595.02	2,591.29	2,526.00	65.30	39.684		
7,601.12	7,095.00	7,146.16	7,034.44	36.93	34.99	90.35	848.44	-1,595.02	2,560.09	2,494.29	65.79	38.912		
7,700.00	7,092.92	7,143.57	7,031.84	38.05	34.98	90.28	848.41	-1,595.03	2,500.98	2,434.09	66.89	37.392		
7,800.00	7,090.81	7,140.94	7,029.21	39.40	34.97	90.20	848.37	-1,595.05	2,443.82	2,375.61	68.21	35.829		
7,900.00	7,088.70	7,138.30	7,026.57	40.93	34.96	90.13	848.33	-1,595.06	2,389.47	2,319.72	69.75	34.256		
8,000.00	7,086.59	7,135.65	7,023.92	42.61	34.95	90.05	848.29	-1,595.08	2,338.14	2,266.63	71.51	32.695		
8,100.00	7,084.49	7,132.99	7,021.26	44.41	34.94	89.98	848.25	-1,595.09	2,290.03	2,216.54	73.49	31.163		
8,200.00	7,082.38	7,130.32	7,018.60	46.33	34.93	89.90	848.21	-1,595.10	2,245.33	2,169.68	75.65	29.679		
8,300.00	7,080.27	7,127.64	7,015.92	48.34	34.92	89.83	848.17	-1,595.12	2,204.27	2,126.27	78.00	28.259		
8,400.00	7,078.16	7,124.96	7,013.24	50.43	34.91	89.75	848.13	-1,595.13	2,167.04	2,086.53	80.51	26.916		
8,500.00	7,076.05	7,122.27	7,010.54	52.59	34.90	89.67	848.09	-1,595.15	2,133.85	2,050.70	83.15	25.662		
8,600.00	7,073.94	7,119.56	7,007.84	54.82	34.89	89.60	848.05	-1,595.16	2,104.89	2,018.99	85.90	24.504		
8,700.00	7,071.84	7,117.13	7,005.41	57.10	34.88	89.53	848.02	-1,595.18	2,080.34	1,991.61	88.72	23.447		
8,800.00	7,069.73	7,114.76	7,003.04	59.44	34.87	89.46	847.99	-1,595.19	2,060.34	1,968.75	91.59	22.496		
8,900.00	7,067.62	7,112.39	7,000.67	61.81	34.86	89.40	847.95	-1,595.20	2,045.05	1,950.59	94.46	21.650		
9,000.00	7,065.51	7,110.02	6,998.30	64.23	34.85	89.33	847.92	-1,595.22	2,034.55	1,937.25	97.30	20.909		

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

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

Offset Design Boomerang 21-5 - WIEDEMAN #4-5 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	7,107.63	6,995.91	66.68	34.84	89.26	847.88	-1,595.23	2,028.93	1,928.85	100.09	20.272		
9,164.20	7,062.05	7,106.10	6,994.38	68.27	34.84	89.22	847.86	-1,595.24	2,027.92	1,926.09	101.83	19.915		
9,200.00	7,061.29	7,105.25	6,993.53	69.15	34.84	89.19	847.85	-1,595.24	2,028.23	1,925.46	102.78	19.734		
9,300.00	7,059.18	7,102.85	6,991.13	71.66	34.83	89.13	847.82	-1,595.26	2,032.46	1,927.11	105.35	19.293		
9,400.00	7,057.08	7,100.45	6,988.73	74.19	34.82	89.06	847.79	-1,595.27	2,041.57	1,933.80	107.77	18.943		
9,500.00	7,054.97	7,098.05	6,986.33	76.75	34.81	88.99	847.75	-1,595.29	2,055.51	1,945.48	110.03	18.681		
9,600.00	7,052.86	7,095.63	6,983.92	79.32	34.80	88.92	847.72	-1,595.30	2,074.19	1,962.07	112.12	18.500		
9,700.00	7,050.75	7,093.22	6,981.50	81.91	34.79	88.85	847.69	-1,595.32	2,097.46	1,983.44	114.02	18.396		
9,800.00	7,048.64	7,090.79	6,979.07	84.52	34.78	88.79	847.66	-1,595.33	2,125.19	2,009.46	115.72	18.364 SF		
9,900.00	7,046.53	7,088.37	6,976.65	87.14	34.77	88.72	847.63	-1,595.35	2,157.20	2,039.95	117.24	18.400		
10,000.00	7,044.43	7,085.93	6,974.21	89.78	34.76	88.65	847.60	-1,595.36	2,193.30	2,074.73	118.57	18.498		
10,100.00	7,042.32	7,083.49	6,971.77	92.43	34.76	88.58	847.57	-1,595.38	2,233.29	2,113.57	119.72	18.654		
10,200.00	7,040.21	7,081.04	6,969.32	95.09	34.75	88.51	847.54	-1,595.39	2,276.98	2,156.27	120.70	18.865		
10,300.00	7,038.10	7,078.59	6,966.87	97.76	34.74	88.44	847.51	-1,595.41	2,324.14	2,202.62	121.52	19.125		
10,400.00	7,035.99	7,076.13	6,964.41	100.44	34.73	88.37	847.48	-1,595.42	2,374.58	2,252.38	122.20	19.432		
10,500.00	7,033.88	7,073.66	6,961.95	103.13	34.72	88.30	847.45	-1,595.44	2,428.09	2,305.35	122.74	19.782		
10,600.00	7,031.78	7,071.19	6,959.48	105.82	34.71	88.23	847.42	-1,595.45	2,484.47	2,361.30	123.17	20.172		
10,700.00	7,029.67	7,068.72	6,957.00	108.53	34.70	88.16	847.40	-1,595.47	2,543.53	2,420.05	123.48	20.598		
10,800.00	7,027.56	7,066.23	6,954.51	111.24	34.69	88.09	847.37	-1,595.48	2,605.09	2,481.39	123.70	21.059		
10,900.00	7,025.45	7,063.74	6,952.03	113.96	34.68	88.02	847.34	-1,595.50	2,668.98	2,545.13	123.84	21.551		
11,000.00	7,023.34	7,061.25	6,949.53	116.68	34.67	87.95	847.31	-1,595.52	2,735.02	2,611.12	123.91	22.073		
11,100.00	7,021.23	7,058.74	6,947.03	119.41	34.66	87.88	847.29	-1,595.53	2,803.08	2,679.17	123.91	22.622		
11,200.00	7,019.13	7,056.24	6,944.52	122.15	34.66	87.81	847.26	-1,595.55	2,873.00	2,749.15	123.86	23.196		
11,300.00	7,017.02	7,053.72	6,942.01	124.89	34.65	87.74	847.23	-1,595.57	2,944.66	2,820.90	123.76	23.794		
11,400.00	7,014.91	7,051.20	6,939.49	127.63	34.64	87.67	847.21	-1,595.58	3,017.93	2,894.31	123.62	24.413		
11,500.00	7,012.80	7,048.67	6,936.96	130.38	34.63	87.60	847.18	-1,595.60	3,092.69	2,969.24	123.45	25.053		
11,600.00	7,010.69	7,046.14	6,934.43	133.14	34.62	87.53	847.16	-1,595.62	3,168.85	3,045.60	123.25	25.711		
11,700.00	7,008.58	7,043.60	6,931.89	135.89	34.61	87.45	847.13	-1,595.63	3,246.29	3,123.26	123.03	26.387		
11,800.00	7,006.47	7,041.06	6,929.34	138.65	34.60	87.38	847.11	-1,595.65	3,324.94	3,202.15	122.79	27.079		
11,900.00	7,004.37	7,038.50	6,926.79	141.42	34.59	87.31	847.09	-1,595.67	3,404.70	3,282.17	122.53	27.787		
12,000.00	7,002.26	7,035.95	6,924.23	144.19	34.58	87.24	847.06	-1,595.69	3,485.51	3,363.25	122.26	28.509		
12,100.00	7,000.15	7,033.38	6,921.67	146.96	34.57	87.17	847.04	-1,595.70	3,567.29	3,445.30	121.99	29.244		
12,200.00	6,998.04	7,030.81	6,919.09	149.73	34.56	87.09	847.02	-1,595.72	3,649.97	3,528.27	121.70	29.991		
12,300.00	6,995.93	7,028.23	6,916.52	152.51	34.55	87.02	847.00	-1,595.74	3,733.50	3,612.09	121.41	30.750		
12,400.00	6,993.82	7,025.65	6,913.93	155.28	34.54	86.95	846.98	-1,595.76	3,817.82	3,696.70	121.12	31.520		
12,500.00	6,991.72	7,023.06	6,911.34	158.06	34.53	86.87	846.95	-1,595.78	3,902.88	3,782.05	120.83	32.300		
12,600.00	6,989.61	7,020.46	6,908.74	160.85	34.52	86.80	846.93	-1,595.79	3,988.63	3,868.09	120.54	33.090		
12,700.00	6,987.50	7,017.85	6,906.14	163.63	34.51	86.73	846.91	-1,595.81	4,075.02	3,954.78	120.25	33.889		
12,800.00	6,985.39	7,015.24	6,903.53	166.42	34.51	86.65	846.89	-1,595.83	4,162.03	4,042.07	119.96	34.696		
12,900.00	6,983.28	7,012.63	6,900.91	169.21	34.50	86.58	846.87	-1,595.85	4,249.60	4,129.93	119.67	35.510		
13,000.00	6,981.17	7,010.00	6,898.29	172.00	34.49	86.51	846.85	-1,595.87	4,337.71	4,218.32	119.39	36.333		
13,100.00	6,979.07	7,007.37	6,895.66	174.79	34.48	86.43	846.84	-1,595.89	4,426.33	4,307.22	119.11	37.162		
13,200.00	6,976.96	7,004.73	6,893.02	177.59	34.47	86.36	846.82	-1,595.91	4,515.41	4,396.58	118.83	37.998		
13,300.00	6,974.85	7,002.09	6,890.38	180.38	34.46	86.28	846.80	-1,595.93	4,604.95	4,486.39	118.56	38.840		
13,400.00	6,972.74	6,999.44	6,887.73	183.18	34.45	86.21	846.78	-1,595.95	4,694.90	4,576.61	118.30	39.688		
13,500.00	6,970.63	6,996.78	6,885.07	185.98	34.44	86.13	846.76	-1,595.97	4,785.26	4,667.22	118.03	40.541		
13,600.00	6,968.52	6,994.12	6,882.41	188.78	34.43	86.06	846.75	-1,595.99	4,875.98	4,758.20	117.78	41.399		
13,700.00	6,966.41	6,991.45	6,879.73	191.58	34.42	85.98	846.73	-1,596.01	4,967.07	4,849.54	117.53	42.263		
13,800.00	6,964.31	6,988.77	6,877.06	194.39	34.41	85.91	846.72	-1,596.03	5,058.48	4,941.20	117.28	43.130		
13,900.00	6,962.20	6,986.08	6,874.37	197.19	34.40	85.83	846.70	-1,596.05	5,150.22	5,033.17	117.04	44.003		
14,000.00	6,960.09	6,983.39	6,871.68	200.00	34.39	85.76	846.69	-1,596.07	5,242.25	5,125.44	116.81	44.879		
14,100.00	6,957.98	6,980.69	6,868.98	202.80	34.38	85.68	846.67	-1,596.09	5,334.57	5,217.99	116.58	45.759		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,955.87	6,977.99	6,866.28	205.61	34.37	85.61	846.66	-1,596.11	5,427.17	5,310.81	116.36	46.642		
14,300.00	6,953.76	6,975.28	6,863.56	208.42	34.36	85.53	846.65	-1,596.13	5,520.01	5,403.88	116.14	47.529		
14,400.00	6,951.66	6,972.56	6,860.85	211.23	34.35	85.45	846.63	-1,596.15	5,613.11	5,497.18	115.93	48.419		
14,500.00	6,949.55	6,969.83	6,858.12	214.04	34.34	85.38	846.62	-1,596.17	5,706.43	5,590.71	115.72	49.312		
14,600.00	6,947.44	6,967.10	6,855.39	216.85	34.33	85.30	846.61	-1,596.20	5,799.98	5,684.46	115.52	50.208		
14,700.00	6,945.33	6,964.36	6,852.64	219.66	34.32	85.22	846.60	-1,596.22	5,893.74	5,778.41	115.32	51.107		
14,800.00	6,943.22	6,961.61	6,849.90	222.48	34.31	85.15	846.59	-1,596.24	5,987.69	5,872.56	115.13	52.008		
14,900.00	6,941.11	6,958.85	6,847.14	225.29	34.30	85.07	846.57	-1,596.26	6,081.84	5,966.90	114.94	52.911		
15,000.00	6,939.01	6,956.09	6,844.38	228.11	34.29	84.99	846.57	-1,596.28	6,176.18	6,061.41	114.76	53.817		
15,100.00	6,936.90	6,953.95	6,841.64	230.92	34.30	85.08	846.58	-1,596.27	6,270.68	6,156.07	114.61	54.714		
15,200.00	6,934.79	6,951.82	6,838.91	233.74	34.28	84.97	846.56	-1,596.30	6,365.35	6,250.92	114.43	55.626		
15,300.00	6,932.68	6,949.71	6,836.18	236.56	34.27	84.85	846.55	-1,596.33	6,460.18	6,345.93	114.26	56.540		
15,400.00	6,930.57	6,947.60	6,833.45	239.37	34.25	84.73	846.53	-1,596.36	6,555.17	6,441.08	114.09	57.456		
15,500.00	6,928.46	6,945.49	6,830.72	242.19	34.24	84.60	846.52	-1,596.40	6,650.30	6,536.37	113.93	58.373		
15,521.99	6,928.00	6,941.29	6,829.58	242.81	34.23	84.58	846.52	-1,596.41	6,671.24	6,557.34	113.89	58.575		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 34N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-68.04	377.08	-935.33	1,009.19					
100.00	100.00	57.08	57.08	3.28	3.29	-68.04	377.10	-935.43	1,008.59	1,002.02	6.57	153.466		
200.00	200.00	146.36	146.35	3.34	3.34	-68.05	377.27	-936.34	1,009.61	1,002.93	6.68	151.245		
300.00	299.98	249.49	249.47	3.44	3.45	145.33	377.66	-937.84	1,012.54	1,005.65	6.89	146.977		
400.00	399.84	340.27	340.24	3.59	3.59	145.39	377.78	-939.42	1,018.51	1,011.32	7.19	141.713		
500.00	499.45	443.73	443.65	3.79	3.80	145.44	376.43	-942.17	1,027.66	1,020.06	7.59	135.351		
600.00	598.70	547.58	547.34	4.04	4.05	145.41	371.93	-945.51	1,039.04	1,030.95	8.08	128.539		
700.00	697.47	636.00	635.41	4.32	4.29	145.25	365.35	-949.90	1,053.71	1,045.10	8.61	122.342		
773.50	769.68	699.40	698.42	4.55	4.49	145.09	359.77	-954.05	1,066.98	1,057.94	9.04	118.040		
800.00	795.65	725.01	723.85	4.64	4.58	145.09	357.38	-955.91	1,072.16	1,062.95	9.21	116.416		
900.00	893.65	821.64	819.70	5.00	4.91	145.04	347.53	-963.27	1,091.71	1,081.84	9.88	110.535		
1,000.00	991.65	916.35	913.54	5.38	5.27	144.96	337.35	-970.98	1,111.53	1,100.95	10.59	104.986		
1,100.00	1,089.66	1,005.20	1,001.33	5.78	5.64	144.80	326.38	-979.10	1,131.70	1,120.38	11.32	99.973		
1,200.00	1,187.66	1,080.27	1,075.06	6.20	5.98	144.55	315.42	-987.97	1,153.47	1,141.44	12.03	95.886		
1,300.00	1,285.66	1,161.56	1,154.45	6.63	6.37	144.19	302.27	-999.48	1,176.86	1,164.06	12.80	91.921		
1,400.00	1,383.67	1,254.66	1,244.95	7.07	6.86	143.70	285.90	-1,013.93	1,201.07	1,187.39	13.68	87.813		
1,500.00	1,481.67	1,340.90	1,328.34	7.51	7.34	143.19	269.31	-1,028.35	1,225.92	1,211.37	14.55	84.266		
1,600.00	1,579.67	1,424.58	1,408.88	7.97	7.84	142.64	252.37	-1,043.47	1,251.79	1,236.36	15.43	81.124		
1,700.00	1,677.67	1,528.49	1,508.53	8.43	8.49	141.94	230.16	-1,062.79	1,277.93	1,261.45	16.49	77.514		
1,800.00	1,775.68	1,635.47	1,610.68	8.90	9.20	141.15	205.26	-1,082.53	1,303.55	1,285.95	17.60	74.059		
1,900.00	1,873.68	1,741.96	1,712.60	9.37	9.92	140.43	180.57	-1,101.03	1,328.36	1,309.63	18.74	70.903		
2,000.00	1,971.68	1,821.68	1,788.48	9.84	10.48	139.84	160.68	-1,115.25	1,353.36	1,333.68	19.68	68.756		
2,100.00	2,069.69	1,893.00	1,855.71	10.32	11.00	139.26	141.78	-1,129.71	1,380.32	1,359.75	20.57	67.091		
2,200.00	2,167.69	1,980.26	1,938.08	10.80	11.66	138.60	119.64	-1,148.16	1,408.60	1,386.99	21.61	65.186		
2,300.00	2,265.69	2,080.69	2,033.23	11.28	12.41	137.91	95.11	-1,168.85	1,436.81	1,414.05	22.76	63.132		
2,400.00	2,363.69	2,175.99	2,123.65	11.77	13.12	137.30	72.27	-1,188.47	1,465.27	1,441.40	23.86	61.401		
2,500.00	2,461.70	2,283.59	2,225.83	12.25	13.93	136.65	46.29	-1,209.99	1,493.29	1,468.21	25.08	59.530		
2,600.00	2,559.70	2,359.88	2,298.46	12.74	14.51	136.22	28.39	-1,225.02	1,521.37	1,495.36	26.01	58.481		
2,700.00	2,657.70	2,445.68	2,379.97	13.23	15.16	135.76	8.87	-1,243.32	1,551.14	1,524.11	27.03	57.386		
2,800.00	2,755.71	2,556.70	2,485.59	13.72	16.00	135.19	-16.72	-1,266.06	1,580.17	1,551.88	28.29	55.860		
2,900.00	2,853.71	2,624.52	2,550.02	14.21	16.52	134.84	-32.56	-1,280.11	1,609.58	1,580.45	29.13	55.246		
3,000.00	2,951.71	2,698.98	2,620.40	14.70	17.11	134.46	-49.86	-1,297.16	1,641.01	1,610.96	30.05	54.613		
3,100.00	3,049.71	2,874.27	2,786.23	15.20	18.50	133.55	-92.89	-1,334.06	1,670.84	1,638.87	31.97	52.263		
3,200.00	3,147.72	2,985.52	2,892.31	15.69	19.34	133.04	-119.91	-1,353.91	1,697.59	1,664.35	33.24	51.073		
3,300.00	3,245.72	3,106.66	3,007.68	16.19	20.26	132.47	-150.58	-1,374.45	1,723.48	1,688.88	34.60	49.809		
3,400.00	3,343.72	3,179.22	3,077.24	16.69	20.79	132.19	-167.44	-1,386.38	1,749.25	1,713.76	35.49	49.282		
3,500.00	3,441.73	3,241.23	3,136.87	17.18	21.24	132.00	-180.44	-1,397.33	1,776.60	1,740.32	36.28	48.974		
3,600.00	3,539.73	3,368.60	3,258.96	17.68	22.18	131.59	-207.53	-1,421.48	1,805.50	1,767.84	37.67	47.935		
3,700.00	3,637.73	3,564.47	3,447.58	18.18	23.55	130.94	-252.93	-1,448.18	1,827.87	1,788.24	39.63	46.124		
3,800.00	3,735.73	3,625.60	3,506.34	18.68	23.99	130.72	-267.77	-1,456.23	1,850.49	1,810.04	40.45	45.751		
3,900.00	3,833.74	3,684.49	3,562.78	19.18	24.43	130.51	-282.10	-1,464.95	1,874.87	1,833.63	41.23	45.469		
4,000.00	3,931.74	3,743.69	3,619.10	19.67	24.88	130.27	-297.24	-1,475.09	1,901.33	1,859.32	42.01	45.259		
4,100.00	4,029.74	3,825.77	3,696.61	20.17	25.54	129.90	-319.59	-1,490.27	1,929.07	1,886.04	43.03	44.835		
4,200.00	4,127.75	3,913.29	3,778.88	20.67	26.27	129.48	-344.34	-1,507.00	1,957.41	1,913.30	44.11	44.378		
4,300.00	4,225.75	4,021.76	3,880.76	21.18	27.17	128.96	-375.39	-1,527.50	1,985.61	1,940.20	45.41	43.725		
4,400.00	4,323.75	4,117.35	3,971.27	21.68	27.93	128.59	-400.54	-1,545.18	2,013.73	1,967.18	46.55	43.258		
4,500.00	4,421.76	4,197.97	4,048.66	22.18	28.53	128.40	-417.81	-1,559.66	2,041.84	1,994.34	47.50	42.987		
4,600.00	4,519.76	4,245.31	4,094.24	22.68	28.87	128.33	-426.60	-1,568.96	2,071.78	2,023.70	48.08	43.089		
4,700.00	4,617.76	4,321.89	4,167.75	23.18	29.43	128.22	-440.34	-1,585.46	2,103.54	2,054.59	48.96	42.968		
4,800.00	4,715.76	4,468.61	4,308.18	23.68	30.52	127.94	-469.94	-1,615.91	2,134.54	2,083.97	50.57	42.210		
4,900.00	4,813.77	4,683.34	4,515.35	24.18	32.04	127.59	-512.70	-1,652.55	2,162.45	2,109.70	52.75	40.994		
5,000.00	4,911.77	4,839.31	4,668.53	24.69	32.95	127.59	-535.76	-1,670.54	2,184.51	2,130.29	54.22	40.287		

CC - Min centre 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-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
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-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,009.77	4,930.21	4,758.10	25.19	33.46	127.64	-547.62	-1,680.52	2,206.51	2,151.33	55.17	39.992		
5,200.00	5,107.78	5,055.22	4,881.54	25.69	34.13	127.73	-562.52	-1,693.42	2,227.99	2,171.64	56.35	39.538		
5,300.00	5,205.78	5,255.14	5,080.10	26.19	35.07	128.05	-580.75	-1,707.43	2,246.40	2,188.50	57.90	38.798		
5,400.00	5,303.78	5,383.66	5,208.17	26.70	35.60	128.31	-589.93	-1,713.19	2,262.77	2,203.80	58.97	38.373		
5,500.00	5,401.78	5,527.04	5,351.30	27.20	36.13	128.68	-597.65	-1,715.75	2,276.40	2,216.35	60.05	37.905		
5,600.00	5,499.79	5,645.78	5,469.99	27.70	36.51	129.07	-600.89	-1,715.85	2,288.78	2,227.79	60.99	37.526		
5,700.00	5,597.79	5,733.21	5,557.38	28.21	36.79	129.34	-603.44	-1,716.06	2,301.40	2,239.59	61.82	37.229		
5,800.00	5,695.79	5,828.69	5,652.85	28.71	37.08	129.67	-605.09	-1,716.47	2,314.42	2,251.77	62.65	36.940		
5,900.00	5,793.80	5,917.32	5,741.47	29.22	37.32	130.03	-603.84	-1,716.56	2,327.61	2,264.18	63.43	36.694		
6,000.00	5,891.80	6,000.86	5,824.98	29.72	37.54	130.39	-602.10	-1,717.17	2,341.59	2,277.41	64.18	36.485		
6,100.00	5,989.80	6,095.04	5,919.13	30.22	37.79	130.79	-600.05	-1,718.17	2,356.03	2,291.07	64.96	36.268		
6,200.00	6,087.80	6,182.61	6,006.68	30.73	38.03	131.15	-598.10	-1,719.20	2,370.72	2,305.00	65.72	36.072		
6,300.00	6,185.81	6,269.03	6,093.06	31.23	38.27	131.51	-596.02	-1,720.77	2,386.15	2,319.67	66.48	35.894		
6,400.00	6,283.81	6,367.39	6,191.37	31.74	38.55	131.91	-593.73	-1,722.69	2,401.83	2,334.55	67.28	35.699		
6,500.00	6,381.81	6,460.67	6,284.61	32.24	38.82	132.29	-591.28	-1,724.47	2,417.62	2,349.56	68.06	35.521		
6,520.79	6,402.19	6,479.34	6,303.27	32.35	38.87	132.37	-590.83	-1,724.86	2,420.95	2,352.73	68.22	35.486		
6,550.00	6,430.87	6,506.22	6,330.13	32.49	38.95	120.02	-590.24	-1,725.45	2,425.01	2,356.56	68.45	35.428		
6,600.00	6,480.12	6,553.52	6,377.41	32.72	39.10	94.82	-589.29	-1,726.55	2,428.98	2,360.14	68.84	35.286		
6,650.00	6,529.30	6,601.31	6,425.18	32.93	39.24	71.93	-588.47	-1,727.71	2,429.17	2,359.95	69.21	35.096		
6,700.00	6,578.09	6,649.57	6,473.42	33.12	39.39	56.30	-587.69	-1,728.91	2,425.57	2,356.00	69.58	34.862		
6,750.00	6,626.21	6,696.74	6,520.57	33.30	39.54	46.57	-586.92	-1,730.09	2,418.22	2,348.30	69.92	34.588		
6,800.00	6,673.34	6,742.47	6,566.27	33.46	39.68	40.48	-586.07	-1,731.25	2,407.17	2,336.94	70.23	34.275		
6,850.00	6,719.21	6,785.62	6,609.40	33.61	39.81	36.60	-585.12	-1,732.34	2,392.53	2,322.01	70.52	33.928		
6,900.00	6,763.53	6,826.30	6,650.05	33.75	39.93	34.12	-584.04	-1,733.40	2,374.42	2,303.64	70.78	33.547		
6,950.00	6,806.03	6,865.47	6,689.19	33.89	40.05	32.63	-582.83	-1,734.45	2,352.96	2,281.94	71.02	33.131		
7,000.00	6,846.44	6,903.07	6,726.76	34.02	40.16	31.87	-581.59	-1,735.51	2,328.29	2,257.05	71.24	32.682		
7,050.00	6,884.52	6,938.68	6,762.33	34.15	40.27	31.72	-580.40	-1,736.55	2,300.56	2,229.11	71.45	32.200		
7,100.00	6,920.03	6,979.14	6,802.75	34.27	40.39	32.21	-578.99	-1,737.71	2,269.88	2,198.22	71.66	31.674		
7,150.00	6,952.75	7,017.33	6,840.89	34.40	40.50	33.27	-577.58	-1,738.71	2,236.40	2,164.53	71.87	31.118		
7,200.00	6,982.48	7,049.51	6,873.04	34.54	40.60	34.88	-576.34	-1,739.48	2,200.34	2,128.29	72.04	30.541		
7,250.00	7,009.04	7,077.10	6,900.61	34.70	40.68	37.13	-575.27	-1,740.14	2,161.99	2,089.79	72.20	29.944		
7,300.00	7,032.26	7,101.38	6,924.86	34.87	40.75	40.17	-574.33	-1,740.71	2,121.60	2,049.25	72.34	29.326		
7,350.00	7,052.00	7,122.20	6,945.66	35.08	40.81	44.19	-573.52	-1,741.20	2,079.41	2,006.93	72.48	28.689		
7,400.00	7,068.14	7,137.32	6,960.76	35.34	40.86	49.33	-572.93	-1,741.56	2,035.71	1,963.11	72.60	28.039		
7,450.00	7,080.57	7,149.39	6,972.82	35.65	40.89	55.99	-572.46	-1,741.85	1,990.76	1,918.04	72.72	27.375		
7,500.00	7,089.23	7,158.16	6,981.58	36.01	40.92	64.44	-572.12	-1,742.08	1,944.84	1,871.99	72.84	26.699		
7,550.00	7,094.06	7,163.57	6,986.99	36.44	40.93	74.82	-571.90	-1,742.21	1,898.21	1,825.24	72.97	26.015		
7,601.12	7,095.00	7,165.56	6,988.97	36.93	40.94	87.08	-571.83	-1,742.27	1,850.10	1,777.00	73.10	25.310		
7,700.00	7,092.92	7,165.91	6,989.32	38.05	40.94	87.11	-571.81	-1,742.28	1,757.11	1,683.72	73.39	23.941		
7,800.00	7,090.81	7,166.26	6,989.68	39.40	40.94	87.14	-571.80	-1,742.28	1,663.76	1,589.99	73.77	22.553		
7,900.00	7,088.70	7,166.62	6,990.04	40.93	40.94	87.18	-571.78	-1,742.29	1,571.22	1,496.97	74.25	21.161		
8,000.00	7,086.59	7,166.99	6,990.40	42.61	40.94	87.21	-571.77	-1,742.30	1,479.66	1,404.80	74.86	19.766		
8,100.00	7,084.49	7,167.35	6,990.77	44.41	40.95	87.25	-571.76	-1,742.31	1,389.26	1,313.63	75.63	18.369		
8,200.00	7,082.38	7,167.73	6,991.14	46.33	40.95	87.28	-571.74	-1,742.32	1,300.27	1,223.66	76.60	16.974		
8,300.00	7,080.27	7,168.10	6,991.51	48.34	40.95	87.32	-571.73	-1,742.33	1,212.99	1,135.16	77.83	15.586		
8,400.00	7,078.16	7,168.48	6,991.89	50.43	40.95	87.35	-571.71	-1,742.34	1,127.83	1,048.47	79.36	14.212		
8,500.00	7,076.05	7,168.87	6,992.28	52.59	40.95	87.39	-571.70	-1,742.35	1,045.30	964.04	81.26	12.863		
8,600.00	7,073.94	7,169.25	6,992.66	54.82	40.95	87.42	-571.68	-1,742.36	966.07	882.47	83.60	11.556		
8,700.00	7,071.84	7,169.65	6,993.05	57.10	40.95	87.46	-571.67	-1,742.37	891.04	804.61	86.43	10.309		
8,800.00	7,069.73	7,170.04	6,993.45	59.44	40.95	87.50	-571.65	-1,742.38	821.34	731.57	89.77	9.149		
8,900.00	7,067.62	7,170.44	6,993.85	61.81	40.96	87.54	-571.63	-1,742.39	758.45	664.88	93.58	8.105		
9,000.00	7,065.51	7,170.85	6,994.26	64.23	40.96	87.57	-571.62	-1,742.40	704.20	606.53	97.67	7.210		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	7,063.40	7,171.26	6,994.67	66.68	40.96	87.61	-571.60	-1,742.41	660.72	558.99	101.73	6.495		
9,200.00	7,061.29	7,171.67	6,995.08	69.15	40.96	87.65	-571.59	-1,742.43	630.24	524.97	105.27	5.987		
9,300.00	7,059.18	7,172.09	6,995.50	71.66	40.96	87.69	-571.57	-1,742.44	614.69	506.93	107.76	5.704		
9,346.76	7,058.20	7,172.29	6,995.70	72.84	40.96	87.71	-571.56	-1,742.44	612.91	504.45	108.46	5.651 CC, ES, SF		
9,400.00	7,057.08	7,172.52	6,995.92	74.19	40.96	87.73	-571.55	-1,742.45	615.22	506.36	108.86	5.652		
9,500.00	7,054.97	7,172.95	6,996.35	76.75	40.96	87.77	-571.54	-1,742.46	631.78	523.22	108.55	5.820		
9,600.00	7,052.86	7,173.38	6,996.79	79.32	40.96	87.81	-571.52	-1,742.47	663.17	556.01	107.16	6.189		
9,700.00	7,050.75	7,173.82	6,997.23	81.91	40.97	87.85	-571.50	-1,742.48	707.41	602.30	105.11	6.730		
9,800.00	7,048.64	7,174.27	6,997.67	84.52	40.97	87.89	-571.48	-1,742.49	762.29	659.49	102.80	7.415		
9,900.00	7,046.53	7,174.72	6,998.12	87.14	40.97	87.94	-571.47	-1,742.51	825.67	725.19	100.48	8.217		
10,000.00	7,044.43	7,175.17	6,998.57	89.78	40.97	87.98	-571.45	-1,742.52	895.75	797.46	98.29	9.113		
10,100.00	7,042.32	7,175.63	6,999.03	92.43	40.97	88.02	-571.43	-1,742.53	971.09	874.79	96.30	10.084		
10,200.00	7,040.21	7,176.10	6,999.50	95.09	40.97	88.06	-571.41	-1,742.54	1,050.55	956.04	94.52	11.115		
10,300.00	7,038.10	7,176.57	6,999.97	97.76	40.97	88.11	-571.39	-1,742.56	1,133.27	1,040.33	92.94	12.193		
10,400.00	7,035.99	7,177.05	7,000.45	100.44	40.97	88.15	-571.37	-1,742.57	1,218.59	1,127.04	91.55	13.310		
10,500.00	7,033.88	7,177.53	7,000.93	103.13	40.98	88.20	-571.36	-1,742.58	1,305.99	1,215.66	90.33	14.458		
10,600.00	7,031.78	7,178.02	7,001.42	105.82	40.98	88.24	-571.34	-1,742.59	1,395.08	1,305.83	89.25	15.631		
10,700.00	7,029.67	7,178.52	7,001.91	108.53	40.98	88.29	-571.32	-1,742.61	1,485.56	1,397.26	88.30	16.824		
10,800.00	7,027.56	7,179.02	7,002.42	111.24	40.98	88.34	-571.30	-1,742.62	1,577.19	1,489.73	87.46	18.033		
10,900.00	7,025.45	7,179.52	7,002.92	113.96	40.98	88.38	-571.28	-1,742.63	1,669.78	1,583.07	86.72	19.256		
11,000.00	7,023.34	7,180.04	7,003.44	116.68	40.98	88.43	-571.26	-1,742.65	1,763.18	1,677.13	86.05	20.490		
11,100.00	7,021.23	7,180.56	7,003.96	119.41	40.99	88.48	-571.24	-1,742.66	1,857.27	1,771.81	85.46	21.732		
11,200.00	7,019.13	7,181.09	7,004.48	122.15	40.99	88.53	-571.22	-1,742.68	1,951.95	1,867.01	84.93	22.982		
11,300.00	7,017.02	7,181.62	7,005.02	124.89	40.99	88.58	-571.19	-1,742.69	2,047.13	1,962.67	84.46	24.238		
11,400.00	7,014.91	7,182.16	7,005.56	127.63	40.99	88.63	-571.17	-1,742.70	2,142.75	2,058.72	84.03	25.499		
11,500.00	7,012.80	7,182.71	7,006.11	130.38	40.99	88.68	-571.15	-1,742.72	2,238.75	2,155.10	83.65	26.764		
11,600.00	7,010.69	7,183.27	7,006.66	133.14	40.99	88.73	-571.13	-1,742.73	2,335.09	2,251.79	83.30	28.032		
11,700.00	7,008.58	7,183.83	7,007.22	135.89	40.99	88.79	-571.11	-1,742.75	2,431.73	2,348.74	82.99	29.302		
11,800.00	7,006.47	7,184.40	7,007.79	138.65	41.00	88.84	-571.09	-1,742.76	2,528.62	2,445.92	82.70	30.575		
11,900.00	7,004.37	7,184.98	7,008.37	141.42	41.00	88.89	-571.06	-1,742.78	2,625.75	2,543.30	82.45	31.848		
12,000.00	7,002.26	7,185.56	7,008.96	144.19	41.00	88.95	-571.04	-1,742.80	2,723.09	2,640.88	82.21	33.123		
12,100.00	7,000.15	7,186.16	7,009.55	146.96	41.00	89.00	-571.02	-1,742.81	2,820.61	2,738.61	82.00	34.399		
12,200.00	6,998.04	7,186.76	7,010.15	149.73	41.00	89.06	-570.99	-1,742.83	2,918.30	2,836.50	81.80	35.674		
12,300.00	6,995.93	7,187.37	7,010.76	152.51	41.01	89.12	-570.97	-1,742.85	3,016.14	2,934.51	81.63	36.950		
12,400.00	6,993.82	7,187.99	7,011.38	155.28	41.01	89.18	-570.94	-1,742.86	3,114.12	3,032.65	81.47	38.226		
12,500.00	6,991.72	7,188.62	7,012.00	158.06	41.01	89.23	-570.92	-1,742.88	3,212.22	3,130.90	81.32	39.501		
12,600.00	6,989.61	7,189.25	7,012.64	160.85	41.01	89.29	-570.89	-1,742.90	3,310.44	3,229.25	81.19	40.776		
12,700.00	6,987.50	7,189.90	7,013.28	163.63	41.01	89.35	-570.87	-1,742.91	3,408.76	3,327.69	81.07	42.050		
12,800.00	6,985.39	7,190.55	7,013.94	166.42	41.01	89.41	-570.84	-1,742.93	3,507.17	3,426.22	80.96	43.322		
12,900.00	6,983.28	7,191.21	7,014.60	169.21	41.02	89.48	-570.82	-1,742.95	3,605.68	3,524.82	80.86	44.594		
13,000.00	6,981.17	7,191.89	7,015.27	172.00	41.02	89.54	-570.79	-1,742.97	3,704.26	3,623.49	80.76	45.865		
13,100.00	6,979.07	7,192.57	7,015.95	174.79	41.02	89.60	-570.76	-1,742.99	3,802.91	3,722.23	80.68	47.134		
13,200.00	6,976.96	7,193.26	7,016.65	177.59	41.02	89.67	-570.74	-1,743.01	3,901.64	3,821.03	80.61	48.402		
13,300.00	6,974.85	7,193.97	7,017.35	180.38	41.03	89.73	-570.71	-1,743.03	4,000.43	3,919.88	80.54	49.668		
13,400.00	6,972.74	7,194.68	7,018.06	183.18	41.03	89.80	-570.68	-1,743.05	4,099.27	4,018.79	80.48	50.932		
13,500.00	6,970.63	7,195.41	7,018.79	185.98	41.03	89.87	-570.65	-1,743.07	4,198.17	4,117.74	80.43	52.195		
13,600.00	6,968.52	7,196.14	7,019.52	188.78	41.03	89.94	-570.62	-1,743.09	4,297.13	4,216.74	80.39	53.456		
13,700.00	6,966.41	7,196.89	7,020.27	191.58	41.03	90.01	-570.59	-1,743.11	4,396.12	4,315.78	80.35	54.715		
13,800.00	6,964.31	7,197.65	7,021.02	194.39	41.04	90.08	-570.56	-1,743.13	4,495.17	4,414.86	80.31	55.972		
13,900.00	6,962.20	7,198.42	7,021.79	197.19	41.04	90.15	-570.53	-1,743.15	4,594.25	4,513.97	80.28	57.227		
14,000.00	6,960.09	7,199.20	7,022.57	200.00	41.04	90.22	-570.50	-1,743.17	4,693.38	4,613.12	80.26	58.480		
14,100.00	6,957.98	7,199.99	7,023.37	202.80	41.04	90.30	-570.47	-1,743.19	4,792.54	4,712.30	80.24	59.731		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,955.87	7,200.80	7,024.17	205.61	41.05	90.37	-570.44	-1,743.22	4,891.73	4,811.51	80.22	60.979		
14,300.00	6,953.76	7,201.62	7,024.99	208.42	41.05	90.45	-570.40	-1,743.24	4,990.96	4,910.75	80.21	62.225		
14,400.00	6,951.66	7,202.45	7,025.82	211.23	41.05	90.53	-570.37	-1,743.26	5,090.21	5,010.01	80.20	63.469		
14,500.00	6,949.55	7,203.30	7,026.67	214.04	41.05	90.60	-570.34	-1,743.29	5,189.50	5,109.30	80.20	64.710		
14,600.00	6,947.44	7,204.16	7,027.53	216.85	41.06	90.68	-570.30	-1,743.31	5,288.81	5,208.61	80.20	65.949		
14,700.00	6,945.33	7,205.03	7,028.40	219.66	41.06	90.77	-570.27	-1,743.33	5,388.14	5,307.95	80.20	67.186		
14,800.00	6,943.22	7,205.92	7,029.29	222.48	41.06	90.85	-570.23	-1,743.36	5,487.51	5,407.30	80.20	68.420		
14,900.00	6,941.11	7,206.82	7,030.19	225.29	41.06	90.93	-570.20	-1,743.39	5,586.89	5,506.68	80.21	69.651		
15,000.00	6,939.01	7,207.74	7,031.11	228.11	41.07	91.02	-570.16	-1,743.41	5,686.29	5,606.07	80.22	70.880		
15,100.00	6,936.90	7,208.68	7,032.04	230.92	41.07	91.11	-570.12	-1,743.44	5,785.72	5,705.48	80.24	72.106		
15,200.00	6,934.79	7,209.63	7,032.99	233.74	41.07	91.19	-570.09	-1,743.47	5,885.16	5,804.91	80.26	73.329		
15,300.00	6,932.68	7,210.60	7,033.96	236.56	41.07	91.28	-570.05	-1,743.49	5,984.63	5,904.35	80.28	74.550		
15,400.00	6,930.57	7,211.58	7,034.94	239.37	41.08	91.38	-570.01	-1,743.52	6,084.11	6,003.81	80.30	75.768		
15,500.00	6,928.46	7,212.58	7,035.94	242.19	41.08	91.47	-569.97	-1,743.55	6,183.61	6,103.28	80.32	76.983		
15,521.99	6,928.00	7,212.80	7,036.16	242.81	41.08	91.49	-569.96	-1,743.56	6,205.48	6,125.15	80.33	77.250		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-70.91	316.60	-915.01	968.94					
100.00	100.00	60.55	60.55	3.28	3.29	-70.91	316.64	-915.05	968.29	961.72	6.57	147.317		
200.00	200.00	155.34	155.34	3.34	3.34	-70.90	316.99	-915.46	968.82	962.13	6.68	145.015		
300.00	299.98	269.56	269.55	3.44	3.47	142.48	316.30	-915.88	970.36	963.45	6.91	140.428		
400.00	399.84	475.62	474.79	3.59	3.87	142.19	301.59	-909.70	970.35	962.81	7.54	128.681		
500.00	499.45	595.45	592.74	3.79	4.21	141.81	283.35	-899.02	963.69	955.61	8.08	119.252		
600.00	598.70	692.24	688.02	4.04	4.55	141.63	268.81	-890.27	959.89	951.28	8.61	111.475		
671.00	668.88	760.07	754.86	4.23	4.81	141.58	258.91	-884.25	959.08	950.05	9.03	106.209		
700.00	697.47	789.02	783.39	4.32	4.93	141.56	254.72	-881.73	959.21	949.99	9.22	104.083		
773.50	769.68	864.92	858.16	4.55	5.25	141.56	243.43	-875.11	960.44	950.71	9.73	98.743		
800.00	795.65	892.82	885.62	4.64	5.37	141.57	239.16	-872.67	961.10	951.18	9.92	96.868		
900.00	893.65	1,038.46	1,027.80	5.00	6.09	141.34	211.36	-858.02	961.13	950.21	10.92	88.018		
1,000.00	991.65	1,176.83	1,161.05	5.38	6.89	140.85	179.02	-839.60	956.58	944.61	11.97	79.901		
1,100.00	1,089.66	1,290.80	1,269.67	5.78	7.63	140.29	149.09	-822.44	949.50	936.54	12.96	73.250		
1,200.00	1,187.66	1,397.32	1,370.73	6.20	8.37	139.70	120.00	-805.45	941.30	927.34	13.96	67.425		
1,300.00	1,285.66	1,496.46	1,464.83	6.63	9.07	139.18	93.40	-789.14	932.86	917.92	14.95	62.409		
1,400.00	1,383.67	1,603.24	1,566.25	7.07	9.85	138.65	65.28	-771.12	924.22	908.22	16.00	57.760		
1,500.00	1,481.67	1,694.25	1,652.72	7.51	10.52	138.19	41.39	-755.79	915.71	898.72	16.99	53.890		
1,600.00	1,579.67	1,798.77	1,752.08	7.97	11.29	137.69	14.33	-737.98	907.17	889.09	18.07	50.197		
1,700.00	1,677.67	1,890.74	1,839.85	8.43	11.97	137.31	-8.29	-722.34	899.08	879.99	19.09	47.101		
1,800.00	1,775.68	1,985.70	1,930.71	8.90	12.66	136.96	-30.87	-706.43	891.51	871.38	20.13	44.295		
1,900.00	1,873.68	2,073.22	2,014.26	9.37	13.31	136.51	-53.18	-693.01	884.94	863.79	21.16	41.826		
2,000.00	1,971.68	2,161.83	2,098.95	9.84	13.96	136.00	-76.29	-681.00	880.02	857.80	22.22	39.608		
2,100.00	2,069.69	2,269.85	2,202.33	10.32	14.75	135.40	-103.99	-666.37	875.35	851.95	23.40	37.411		
2,200.00	2,167.69	2,374.76	2,302.67	10.80	15.53	134.88	-130.28	-650.70	869.48	844.92	24.56	35.403		
2,300.00	2,265.69	2,472.96	2,396.60	11.28	16.26	134.37	-154.90	-636.04	863.70	838.00	25.70	33.613		
2,400.00	2,363.69	2,571.60	2,490.97	11.77	17.00	133.86	-179.64	-621.45	858.12	831.28	26.84	31.969		
2,500.00	2,461.70	2,668.63	2,583.56	12.25	17.73	133.27	-205.07	-607.56	852.86	824.84	28.01	30.445		
2,600.00	2,559.70	2,777.70	2,686.96	12.74	18.60	132.43	-236.05	-591.84	847.17	817.87	29.31	28.908		
2,700.00	2,657.70	2,873.36	2,777.75	13.23	19.34	131.75	-262.40	-577.30	841.02	810.51	30.51	27.563		
2,800.00	2,755.71	2,962.10	2,862.70	13.72	20.02	131.25	-284.72	-564.66	836.32	804.66	31.66	26.419		
2,900.00	2,853.71	3,060.15	2,956.12	14.21	20.77	130.54	-311.49	-551.60	832.31	799.42	32.89	25.309		
3,000.00	2,951.71	3,158.00	3,052.31	14.70	21.47	129.94	-338.81	-538.41	828.33	793.10	34.16	24.243		
3,100.00	3,049.71	3,256.00	3,150.31	15.20	22.17	129.34	-366.13	-525.13	824.35	786.80	35.43	23.177		
3,200.00	3,147.72	3,354.00	3,248.31	15.69	22.87	128.74	-393.45	-511.85	820.37	780.50	36.70	22.111		
3,300.00	3,245.72	3,452.00	3,346.31	16.19	23.57	128.14	-420.77	-498.57	816.39	774.20	37.97	21.045		
3,400.00	3,343.72	3,550.00	3,444.31	16.69	24.27	127.54	-448.09	-485.29	812.41	767.90	39.24	20.000		
3,500.00	3,441.73	3,648.00	3,542.31	17.18	24.97	126.94	-475.41	-472.01	808.43	761.60	40.51	19.000		
3,600.00	3,539.73	3,746.00	3,640.31	17.68	25.67	126.34	-502.73	-458.73	804.45	755.30	41.78	18.000		
3,700.00	3,637.73	3,844.00	3,738.31	18.18	26.37	125.74	-530.05	-445.45	800.47	749.00	43.05	17.000		
3,795.17	3,731.00	4,042.43	3,768.56	18.65	27.80	120.36	-594.80	-374.73	741.85	697.14	44.71	16.594		
3,800.00	3,735.73	4,045.99	3,772.05	18.68	27.82	120.36	-595.37	-374.35	741.85	697.10	44.75	16.578		
3,900.00	3,833.74	4,124.52	3,849.39	19.18	28.26	120.48	-606.98	-367.26	743.65	698.02	45.63	16.299		
4,000.00	3,931.74	4,210.29	3,934.28	19.67	28.70	120.76	-617.80	-361.53	747.74	701.26	46.47	16.089		
4,100.00	4,029.74	4,306.98	4,030.26	20.17	29.15	121.20	-628.36	-356.48	753.26	705.91	47.35	15.909		
4,200.00	4,127.75	4,400.36	4,123.16	20.67	29.56	121.80	-636.21	-351.49	758.69	710.55	48.14	15.761		
4,300.00	4,225.75	4,487.93	4,210.53	21.18	29.90	122.53	-641.27	-348.49	766.04	717.22	48.82	15.692		
4,400.00	4,323.75	4,578.06	4,300.55	21.68	30.23	123.38	-645.07	-346.28	774.55	725.09	49.47	15.658		
4,500.00	4,421.76	4,666.05	4,388.52	22.18	30.50	124.31	-646.95	-345.37	784.69	734.66	50.03	15.684		
4,600.00	4,519.76	4,756.76	4,479.22	22.68	30.75	125.41	-646.78	-345.39	796.24	745.70	50.55	15.752		
4,700.00	4,617.76	4,849.50	4,571.97	23.18	30.98	126.51	-646.35	-346.10	808.86	757.80	51.06	15.841		
4,800.00	4,715.76	4,943.63	4,666.08	23.68	31.21	127.60	-645.72	-347.31	822.34	770.75	51.59	15.940		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,813.77	5,040.00	4,762.44	24.18	31.45	128.72	-644.63	-348.82	836.45	784.32	52.14	16.044		
5,000.00	4,911.77	5,130.92	4,853.33	24.69	31.67	129.76	-643.22	-350.50	851.21	798.58	52.63	16.175		
5,100.00	5,009.77	5,225.81	4,948.17	25.19	31.90	130.84	-641.26	-352.90	867.01	813.86	53.15	16.311		
5,200.00	5,107.78	5,329.80	5,052.12	25.69	32.16	131.94	-639.81	-355.35	882.86	829.05	53.80	16.410		
5,300.00	5,205.78	5,428.65	5,150.94	26.19	32.43	132.87	-639.80	-357.40	898.46	844.02	54.44	16.504		
5,400.00	5,303.78	5,525.11	5,247.38	26.70	32.69	133.78	-639.05	-359.33	914.36	859.32	55.04	16.613		
5,500.00	5,401.78	5,629.37	5,351.61	27.20	32.97	134.82	-637.03	-360.81	930.17	874.46	55.70	16.698		
5,600.00	5,499.79	5,727.88	5,450.08	27.70	33.23	135.82	-634.44	-361.42	945.63	889.32	56.30	16.795		
5,700.00	5,597.79	5,820.95	5,543.12	28.21	33.48	136.72	-632.07	-362.48	961.83	904.97	56.86	16.915		
5,800.00	5,695.79	5,935.09	5,657.24	28.71	33.82	137.68	-631.07	-363.81	977.95	920.27	57.69	16.953		
5,900.00	5,793.80	6,065.51	5,787.62	29.22	34.27	138.59	-633.42	-362.45	991.42	932.69	58.73	16.881		
6,000.00	5,891.80	6,145.42	5,867.51	29.72	34.56	139.13	-634.94	-361.36	1,004.63	945.33	59.30	16.943		
6,100.00	5,989.80	6,232.52	5,954.61	30.22	34.86	139.75	-635.45	-360.90	1,019.19	959.29	59.90	17.015		
6,200.00	6,087.80	6,329.50	6,051.59	30.73	35.17	140.45	-635.45	-360.65	1,034.32	973.73	60.59	17.071		
6,300.00	6,185.81	6,412.53	6,134.62	31.23	35.43	141.05	-635.06	-361.08	1,050.48	989.36	61.12	17.186		
6,400.00	6,283.81	6,495.52	6,217.58	31.74	35.67	141.67	-633.62	-362.38	1,068.17	1,006.54	61.63	17.332		
6,500.00	6,381.81	6,579.67	6,301.67	32.24	35.91	142.31	-631.16	-364.50	1,087.28	1,025.15	62.13	17.500		
6,520.79	6,402.19	6,597.72	6,319.71	32.35	35.96	142.45	-630.54	-365.06	1,091.42	1,029.17	62.24	17.535		
6,550.00	6,430.87	6,623.19	6,345.14	32.49	36.03	130.10	-629.61	-365.89	1,096.69	1,034.30	62.39	17.577		
6,600.00	6,480.12	6,666.94	6,388.83	32.72	36.15	104.96	-627.91	-367.44	1,103.09	1,040.46	62.63	17.612		
6,650.00	6,529.30	6,733.36	6,455.16	32.93	36.33	82.49	-625.15	-369.39	1,105.72	1,042.59	63.12	17.517		
6,700.00	6,578.09	6,797.40	6,519.15	33.12	36.51	67.41	-622.65	-370.20	1,103.99	1,040.44	63.55	17.373		
6,750.00	6,626.21	6,857.66	6,579.39	33.30	36.69	58.32	-621.23	-370.57	1,098.23	1,034.33	63.90	17.186		
6,800.00	6,673.34	6,902.14	6,623.86	33.46	36.84	52.76	-620.81	-370.92	1,088.92	1,024.84	64.08	16.993		
6,850.00	6,719.21	6,947.32	6,669.04	33.61	36.98	49.53	-620.92	-371.55	1,076.36	1,012.11	64.25	16.754		
6,900.00	6,763.53	6,982.75	6,704.46	33.75	37.09	47.67	-621.07	-372.29	1,060.88	996.60	64.28	16.504		
6,950.00	6,806.03	7,018.05	6,739.75	33.89	37.21	46.92	-621.11	-373.27	1,042.72	978.42	64.29	16.218		
7,000.00	6,846.44	7,052.09	6,773.77	34.02	37.31	47.03	-621.02	-374.42	1,022.02	957.75	64.27	15.902		
7,050.00	6,884.52	7,084.50	6,806.16	34.15	37.41	47.85	-620.74	-375.67	998.98	934.76	64.22	15.556		
7,100.00	6,920.03	7,115.05	6,836.67	34.27	37.50	49.31	-620.29	-376.97	973.77	909.63	64.14	15.182		
7,150.00	6,952.75	7,139.34	6,860.93	34.40	37.57	51.18	-619.77	-378.14	946.71	882.74	63.97	14.800		
7,200.00	6,982.48	7,161.27	6,882.82	34.54	37.63	53.53	-619.11	-379.36	918.12	854.35	63.77	14.397		
7,250.00	7,009.04	7,181.41	6,902.90	34.70	37.69	56.37	-618.35	-380.62	888.25	824.67	63.58	13.971		
7,300.00	7,032.26	7,199.63	6,921.06	34.87	37.74	59.64	-617.54	-381.87	857.36	793.96	63.40	13.524		
7,350.00	7,052.00	7,220.85	6,942.19	35.08	37.80	63.65	-616.46	-383.43	825.70	762.34	63.36	13.032		
7,400.00	7,068.14	7,243.13	6,964.39	35.34	37.86	68.30	-615.31	-384.97	793.44	729.97	63.47	12.501		
7,450.00	7,080.57	7,260.77	6,981.98	35.65	37.91	73.00	-614.40	-386.11	760.99	697.36	63.62	11.961		
7,500.00	7,089.23	7,273.83	6,994.99	36.01	37.94	77.54	-613.73	-386.91	728.81	664.96	63.85	11.415		
7,550.00	7,094.06	7,282.38	7,003.52	36.44	37.97	81.75	-613.29	-387.41	697.38	633.21	64.17	10.868		
7,601.12	7,095.00	7,286.58	7,007.70	36.93	37.98	85.52	-613.07	-387.65	666.50	601.88	64.62	10.314		
7,700.00	7,092.92	7,290.24	7,011.35	38.05	37.99	85.91	-612.88	-387.86	613.50	547.50	66.00	9.295		
7,800.00	7,090.81	7,293.78	7,014.88	39.40	38.00	86.29	-612.70	-388.05	572.40	504.16	68.24	8.388		
7,900.00	7,088.70	7,297.14	7,018.24	40.93	38.01	86.65	-612.53	-388.24	546.71	475.45	71.26	7.672		
7,993.94	7,086.72	7,300.17	7,021.25	42.51	38.02	86.97	-612.37	-388.40	538.58	464.14	74.44	7.235 CC		
8,000.00	7,086.59	7,300.36	7,021.44	42.61	38.02	86.99	-612.36	-388.41	538.62	463.97	74.64	7.216 ES		
8,100.00	7,084.49	7,303.43	7,024.51	44.41	38.02	87.32	-612.20	-388.58	548.92	471.13	77.78	7.057 SF		
8,200.00	7,082.38	7,306.35	7,027.42	46.33	38.03	87.63	-612.05	-388.74	576.62	496.43	80.19	7.191		
8,300.00	7,080.27	7,309.49	7,030.54	48.34	38.04	87.96	-611.88	-388.91	619.40	537.69	81.71	7.581		
8,400.00	7,078.16	7,312.65	7,033.70	50.43	38.05	88.30	-611.72	-389.09	674.38	591.92	82.46	8.178		
8,500.00	7,076.05	7,315.84	7,036.88	52.59	38.06	88.64	-611.55	-389.27	738.86	656.18	82.68	8.936		
8,600.00	7,073.94	7,319.07	7,040.10	54.82	38.07	88.98	-611.37	-389.45	810.56	728.00	82.56	9.818		
8,700.00	7,071.84	7,322.33	7,043.35	57.10	38.08	89.32	-611.20	-389.63	887.74	805.48	82.26	10.792		

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,069.73	7,325.62	7,046.63	59.44	38.08	89.67	-611.02	-389.81	969.09	887.22	81.87	11.837		
8,900.00	7,067.62	7,328.94	7,049.94	61.81	38.09	90.03	-610.84	-390.00	1,053.65	972.20	81.45	12.936		
9,000.00	7,065.51	7,332.30	7,053.28	64.23	38.10	90.38	-610.65	-390.19	1,140.70	1,059.66	81.03	14.077		
9,100.00	7,063.40	7,335.69	7,056.66	66.68	38.11	90.74	-610.46	-390.38	1,229.70	1,149.07	80.63	15.251		
9,200.00	7,061.29	7,339.11	7,060.08	69.15	38.12	91.10	-610.27	-390.57	1,320.28	1,240.02	80.26	16.451		
9,300.00	7,059.18	7,342.57	7,063.52	71.66	38.13	91.47	-610.08	-390.77	1,412.12	1,332.21	79.91	17.671		
9,400.00	7,057.08	7,346.06	7,067.01	74.19	38.14	91.84	-609.88	-390.97	1,504.99	1,425.40	79.59	18.909		
9,500.00	7,054.97	7,349.59	7,070.52	76.75	38.15	92.21	-609.68	-391.17	1,598.71	1,519.41	79.30	20.159		
9,600.00	7,052.86	7,353.16	7,074.08	79.32	38.16	92.58	-609.48	-391.37	1,693.15	1,614.11	79.04	21.421		
9,700.00	7,050.75	7,356.76	7,077.67	81.91	38.17	92.96	-609.27	-391.58	1,788.18	1,709.38	78.80	22.692		
9,800.00	7,048.64	7,360.40	7,081.30	84.52	38.18	93.34	-609.06	-391.79	1,883.72	1,805.14	78.59	23.970		
9,900.00	7,046.53	7,364.08	7,084.96	87.14	38.19	93.73	-608.85	-392.00	1,979.70	1,901.31	78.39	25.254		
10,000.00	7,044.43	7,367.80	7,088.67	89.78	38.20	94.12	-608.63	-392.22	2,076.05	1,997.83	78.21	26.543		
10,100.00	7,042.32	7,371.55	7,092.41	92.43	38.21	94.51	-608.41	-392.44	2,172.72	2,094.66	78.05	27.836		
10,200.00	7,040.21	7,375.35	7,096.20	95.09	38.22	94.91	-608.18	-392.66	2,269.67	2,191.76	77.91	29.132		
10,300.00	7,038.10	7,379.19	7,100.02	97.76	38.23	95.31	-607.95	-392.89	2,366.88	2,289.10	77.78	30.430		
10,400.00	7,035.99	7,383.07	7,103.88	100.44	38.24	95.71	-607.72	-393.11	2,464.30	2,386.63	77.66	31.731		
10,500.00	7,033.88	7,386.99	7,107.79	103.13	38.25	96.11	-607.48	-393.35	2,561.91	2,484.35	77.56	33.033		
10,600.00	7,031.78	7,390.95	7,111.74	105.82	38.26	96.52	-607.24	-393.58	2,659.70	2,582.23	77.46	34.336		
10,700.00	7,029.67	7,394.95	7,115.73	108.53	38.28	96.94	-607.00	-393.82	2,757.63	2,680.26	77.38	35.639		
10,800.00	7,027.56	7,399.01	7,119.77	111.24	38.29	97.35	-606.75	-394.06	2,855.71	2,778.41	77.30	36.943		
10,900.00	7,025.45	7,403.10	7,123.84	113.96	38.30	97.77	-606.49	-394.31	2,953.91	2,876.68	77.23	38.247		
11,000.00	7,023.34	7,407.24	7,127.97	116.68	38.31	98.19	-606.23	-394.56	3,052.22	2,975.05	77.17	39.551		
11,100.00	7,021.23	7,411.43	7,132.14	119.41	38.32	98.62	-605.97	-394.81	3,150.64	3,073.52	77.12	40.855		
11,200.00	7,019.13	7,415.66	7,136.36	122.15	38.33	99.05	-605.70	-395.07	3,249.14	3,172.07	77.07	42.157		
11,300.00	7,017.02	7,419.94	7,140.62	124.89	38.34	99.48	-605.43	-395.33	3,347.73	3,270.70	77.03	43.459		
11,400.00	7,014.91	7,424.27	7,144.94	127.63	38.36	99.92	-605.15	-395.59	3,446.40	3,369.40	77.00	44.760		
11,500.00	7,012.80	7,408.00	7,128.73	130.38	38.31	98.27	-606.18	-394.60	3,545.19	3,468.27	76.92	46.090		
11,600.00	7,010.69	7,408.00	7,128.73	133.14	38.31	98.27	-606.18	-394.60	3,644.01	3,567.13	76.88	47.396		
11,700.00	7,008.58	7,408.00	7,128.73	135.89	38.31	98.27	-606.18	-394.60	3,742.90	3,666.04	76.85	48.702		
11,800.00	7,006.47	7,408.00	7,128.73	138.65	38.31	98.27	-606.18	-394.60	3,841.84	3,765.01	76.83	50.006		
11,900.00	7,004.37	7,408.00	7,128.73	141.42	38.31	98.27	-606.18	-394.60	3,940.84	3,864.03	76.81	51.309		
12,000.00	7,002.26	7,408.00	7,128.73	144.19	38.31	98.27	-606.18	-394.60	4,039.88	3,963.09	76.79	52.611		
12,100.00	7,000.15	7,408.00	7,128.73	146.96	38.31	98.27	-606.18	-394.60	4,138.97	4,062.20	76.77	53.911		
12,200.00	6,998.04	7,408.00	7,128.73	149.73	38.31	98.27	-606.18	-394.60	4,238.11	4,161.34	76.76	55.210		
12,300.00	6,995.93	7,408.00	7,128.73	152.51	38.31	98.27	-606.18	-394.60	4,337.28	4,260.53	76.76	56.508		
12,400.00	6,993.82	7,408.00	7,128.73	155.28	38.31	98.27	-606.18	-394.60	4,436.49	4,359.74	76.75	57.804		
12,500.00	6,991.72	7,408.00	7,128.73	158.06	38.31	98.27	-606.18	-394.60	4,535.74	4,458.99	76.75	59.098		
12,600.00	6,989.61	7,408.00	7,128.73	160.85	38.31	98.27	-606.18	-394.60	4,635.02	4,558.27	76.75	60.390		
12,700.00	6,987.50	7,408.00	7,128.73	163.63	38.31	98.27	-606.18	-394.60	4,734.33	4,657.57	76.76	61.681		
12,800.00	6,985.39	7,408.00	7,128.73	166.42	38.31	98.27	-606.18	-394.60	4,833.66	4,756.90	76.76	62.969		
12,900.00	6,983.28	7,408.00	7,128.73	169.21	38.31	98.27	-606.18	-394.60	4,933.03	4,856.25	76.77	64.256		
13,000.00	6,981.17	7,408.00	7,128.73	172.00	38.31	98.27	-606.18	-394.60	5,032.42	4,955.63	76.78	65.541		
13,100.00	6,979.07	7,408.00	7,128.73	174.79	38.31	98.27	-606.18	-394.60	5,131.83	5,055.03	76.80	66.823		
13,200.00	6,976.96	7,408.00	7,128.73	177.59	38.31	98.27	-606.18	-394.60	5,231.26	5,154.45	76.81	68.103		
13,300.00	6,974.85	7,408.00	7,128.73	180.38	38.31	98.27	-606.18	-394.60	5,330.72	5,253.89	76.83	69.382		
13,400.00	6,972.74	7,408.00	7,128.73	183.18	38.31	98.27	-606.18	-394.60	5,430.20	5,353.34	76.85	70.658		
13,500.00	6,970.63	7,408.00	7,128.73	185.98	38.31	98.27	-606.18	-394.60	5,529.69	5,452.82	76.87	71.931		
13,600.00	6,968.52	7,408.00	7,128.73	188.78	38.31	98.27	-606.18	-394.60	5,629.20	5,552.31	76.90	73.202		
13,700.00	6,966.41	7,408.00	7,128.73	191.58	38.31	98.27	-606.18	-394.60	5,728.73	5,651.81	76.93	74.471		
13,800.00	6,964.31	7,408.00	7,128.73	194.39	38.31	98.27	-606.18	-394.60	5,828.28	5,751.33	76.95	75.738		
13,900.00	6,962.20	7,408.00	7,128.73	197.19	38.31	98.27	-606.18	-394.60	5,927.84	5,850.86	76.98	77.001		

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

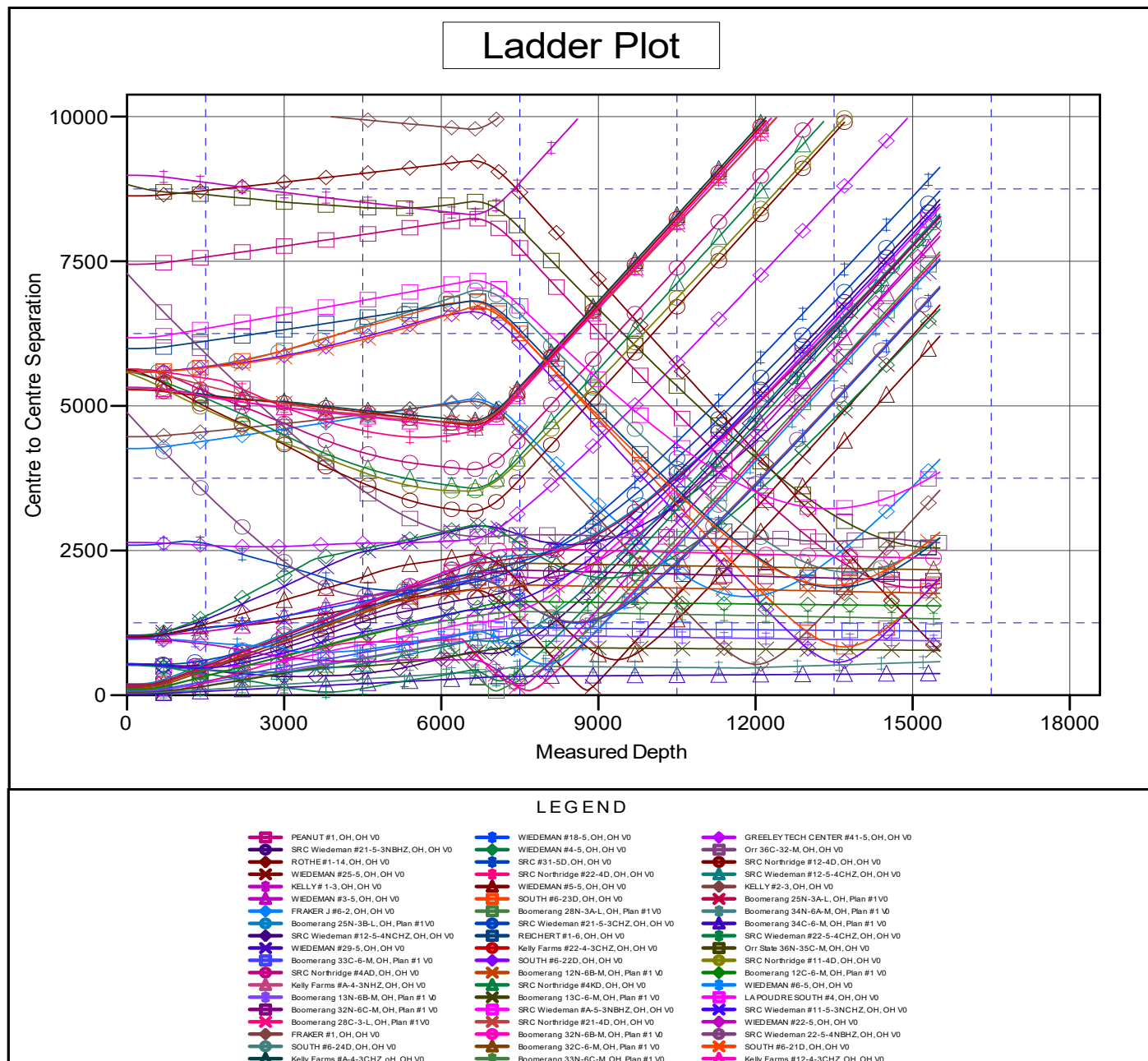
Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	6,960.09	7,408.00	7,128.73	200.00	38.31	98.27	-606.18	-394.60	6,027.42	5,950.40	77.02	78.263		
14,100.00	6,957.98	7,408.00	7,128.73	202.80	38.31	98.27	-606.18	-394.60	6,127.01	6,049.96	77.05	79.522		
14,200.00	6,955.87	7,408.00	7,128.73	205.61	38.31	98.27	-606.18	-394.60	6,226.61	6,149.53	77.08	80.778		
14,300.00	6,953.76	7,408.00	7,128.73	208.42	38.31	98.27	-606.18	-394.60	6,326.23	6,249.11	77.12	82.031		
14,400.00	6,951.66	7,408.00	7,128.73	211.23	38.31	98.27	-606.18	-394.60	6,425.85	6,348.70	77.16	83.282		
14,500.00	6,949.55	7,408.00	7,128.73	214.04	38.31	98.27	-606.18	-394.60	6,525.49	6,448.30	77.20	84.530		
14,600.00	6,947.44	7,408.00	7,128.73	216.85	38.31	98.27	-606.18	-394.60	6,625.14	6,547.90	77.24	85.776		
14,700.00	6,945.33	7,408.00	7,128.73	219.66	38.31	98.27	-606.18	-394.60	6,724.80	6,647.52	77.28	87.018		
14,800.00	6,943.22	7,408.00	7,128.73	222.48	38.31	98.27	-606.18	-394.60	6,824.47	6,747.15	77.32	88.258		
14,900.00	6,941.11	7,408.00	7,128.73	225.29	38.31	98.27	-606.18	-394.60	6,924.15	6,846.78	77.37	89.495		
15,000.00	6,939.01	7,408.00	7,128.73	228.11	38.31	98.27	-606.18	-394.60	7,023.84	6,946.42	77.42	90.729		
15,100.00	6,936.90	7,408.00	7,128.73	230.92	38.31	98.27	-606.18	-394.60	7,123.54	7,046.07	77.46	91.960		
15,200.00	6,934.79	7,408.00	7,128.73	233.74	38.31	98.27	-606.18	-394.60	7,223.24	7,145.73	77.51	93.188		
15,300.00	6,932.68	7,408.00	7,128.73	236.56	38.31	98.27	-606.18	-394.60	7,322.96	7,245.39	77.56	94.413		
15,400.00	6,930.57	7,408.00	7,128.73	239.37	38.31	98.27	-606.18	-394.60	7,422.68	7,345.06	77.61	95.636		
15,500.00	6,928.46	7,408.00	7,128.73	242.19	38.31	98.27	-606.18	-394.60	7,522.41	7,444.74	77.67	96.855		
15,521.99	6,928.00	7,408.00	7,128.73	242.81	38.31	98.27	-606.18	-394.60	7,544.34	7,466.66	77.68	97.122		

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

Local Co-ordinate Reference: Well Boomerang 34N-6C-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-6C-M
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.45°



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

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

Offset Depths are relative to Offset Datum

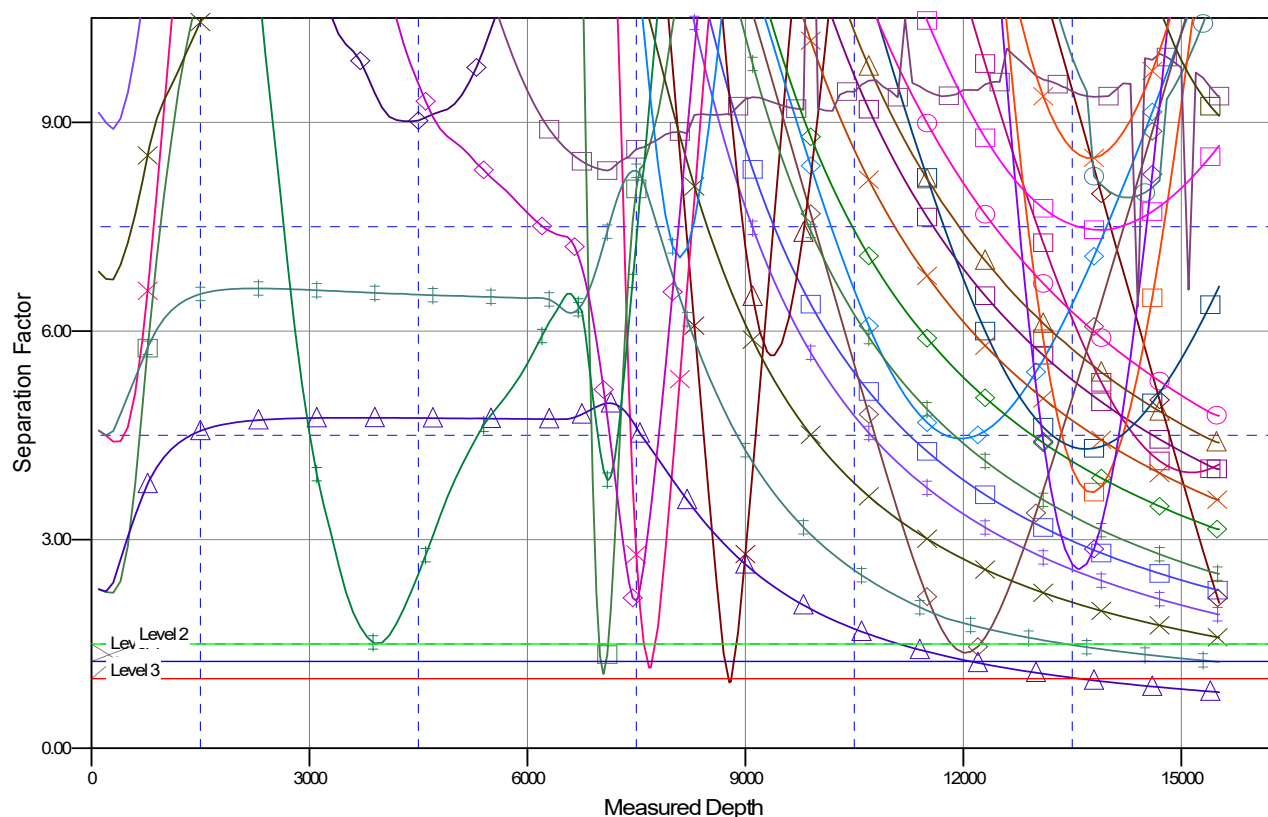
Central Meridian is -105.5000000

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