



Synergy Resources Corporation

SEC 5-T5N-R66W

Boomerang 21-5

Boomerang 25N-3B-L

OH

Plan #1

Anticollision Report

05 April, 2017

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	4/5/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	17,685.07	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	90.07	83.39	13.495	CC, ES
Boomerang 12C-6-M - OH - Plan #1	7,500.00	7,066.83	813.74	744.89	11.820	SF
Boomerang 12N-6B-M - OH - Plan #1	200.00	200.00	75.06	68.38	11.246	CC, ES
Boomerang 12N-6B-M - OH - Plan #1	7,100.00	7,356.17	514.59	445.58	7.456	SF
Boomerang 13C-6-M - OH - Plan #1	200.00	200.00	150.09	143.42	22.489	CC, ES
Boomerang 13C-6-M - OH - Plan #1	400.00	398.10	157.54	150.34	21.867	SF
Boomerang 13N-6B-M - OH - Plan #1	200.00	200.00	135.09	128.42	20.241	CC, ES
Boomerang 13N-6B-M - OH - Plan #1	400.00	398.87	142.61	135.41	19.799	SF
Boomerang 25N-3A-L - OH - Plan #1	200.00	200.00	14.94	8.27	2.239	CC
Boomerang 25N-3A-L - OH - Plan #1	17,600.35	17,485.77	207.70	-293.65	0.414	Level 1, SF
Boomerang 25N-3A-L - OH - Plan #1	17,685.09	17,553.96	208.99	-294.33	0.415	Level 1, ES
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	225.13	218.45	33.731	CC, ES
Boomerang 28C-3-L - OH - Plan #1	17,600.00	18,095.23	2,638.27	2,024.07	4.295	SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	210.12	203.45	31.483	CC, ES
Boomerang 28N-3A-L - OH - Plan #1	17,600.00	17,638.91	2,449.57	1,834.99	3.986	SF
Boomerang 32C-6-M - OH - Plan #1	200.00	200.00	45.03	38.36	6.747	CC, ES
Boomerang 32C-6-M - OH - Plan #1	7,500.00	7,187.15	157.74	86.43	2.212	SF
Boomerang 32N-6B-M - OH - Plan #1	200.00	200.00	30.03	23.36	4.499	CC, ES
Boomerang 32N-6B-M - OH - Plan #1	7,264.29	7,348.52	112.44	41.48	1.585	SF
Boomerang 32N-6C-M - OH - Plan #1	200.00	200.00	60.03	53.36	8.995	CC, ES
Boomerang 32N-6C-M - OH - Plan #1	7,300.00	7,270.27	263.16	193.50	3.778	SF
Boomerang 33C-6-M - OH - Plan #1	200.00	200.00	120.06	113.39	17.989	CC, ES
Boomerang 33C-6-M - OH - Plan #1	400.00	400.08	126.87	119.66	17.602	SF
Boomerang 33N-6C-M - OH - Plan #1	200.00	200.00	105.06	98.39	15.742	CC, ES
Boomerang 33N-6C-M - OH - Plan #1	7,500.00	6,989.34	979.93	910.92	14.200	SF
Boomerang 34C-6-M - OH - Plan #1	200.00	200.00	180.09	173.42	26.984	CC, ES
Boomerang 34C-6-M - OH - Plan #1	400.00	395.72	188.09	180.89	26.112	SF
Boomerang 34N-6A-M - OH - Plan #1	200.00	200.00	165.09	158.42	24.736	CC, ES
Boomerang 34N-6A-M - OH - Plan #1	400.00	396.49	172.96	165.76	24.010	SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	195.12	188.45	29.236	CC, ES
Boomerang 34N-6C-M - OH - Plan #1	400.00	389.14	207.22	200.01	28.754	SF
FRAKER #1 - OH - OH	200.00	210.00	4,522.38	4,512.57	460.787	CC
FRAKER #1 - OH - OH	2,800.00	2,778.07	4,598.70	4,490.37	42.451	ES
FRAKER #1 - OH - OH	6,800.00	6,701.58	4,906.70	4,643.21	18.622	SF
FRAKER J #6-2 - OH - OH	3,313.35	3,240.23	4,240.52	4,113.77	33.455	CC
FRAKER J #6-2 - OH - OH	6,405.66	6,289.24	4,271.77	4,024.24	17.258	ES
FRAKER J #6-2 - OH - OH	6,850.00	6,706.41	4,427.22	4,163.38	16.780	SF

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
GREELEY TECH CENTER #41-5 - OH - OH	9,208.55	6,988.41	274.04	170.63	2.650	CC, ES, SF
KELLY # 1-3 - OH - OH	15,742.00	7,012.97	2,053.53	1,556.22	4.129	CC
KELLY # 1-3 - OH - OH	15,800.00	7,013.57	2,054.35	1,555.57	4.119	ES
KELLY # 1-3 - OH - OH	15,900.00	7,014.60	2,059.60	1,558.76	4.112	SF
KELLY #2-3 - OH - OH	17,077.46	7,010.74	631.86	96.83	1.181	Level 2, CC, ES
KELLY #2-3 - OH - OH	17,100.00	7,010.97	632.26	96.88	1.181	Level 2, SF
Kelly Farms #12-4-3CHZ - OH - OH	12,405.83	7,225.62	1,836.99	1,645.05	9.571	CC
Kelly Farms #12-4-3CHZ - OH - OH	17,200.00	12,022.00	1,893.01	1,429.53	4.084	ES
Kelly Farms #12-4-3CHZ - OH - OH	17,300.00	12,022.00	1,897.02	1,431.80	4.078	SF
Kelly Farms #22-4-3CHZ - OH - OH	12,231.67	6,932.05	2,093.66	1,908.50	11.307	CC
Kelly Farms #22-4-3CHZ - OH - OH	17,200.00	11,966.00	2,167.30	1,704.88	4.687	ES
Kelly Farms #22-4-3CHZ - OH - OH	17,300.00	11,966.00	2,171.91	1,707.58	4.678	SF
Kelly Farms #A-4-3CHZ - oH - OH	12,631.87	7,431.82	1,631.11	1,430.89	8.146	CC
Kelly Farms #A-4-3CHZ - oH - OH	16,200.00	16,200.00	1,689.77	1,121.21	2.972	ES, SF
Kelly Farms #A-4-3NHZ - OH - OH	12,499.66	7,150.00	1,381.66	1,186.05	7.063	CC
Kelly Farms #A-4-3NHZ - OH - OH	17,219.34	11,898.00	1,471.71	1,004.33	3.149	ES
Kelly Farms #A-4-3NHZ - OH - OH	17,300.00	11,898.00	1,473.92	1,005.27	3.145	SF
LA POUDRE SOUTH #4 - OH - OH	6,424.66	6,374.97	5,883.33	5,632.73	23.478	CC
LA POUDRE SOUTH #4 - OH - OH	6,450.00	6,400.07	5,883.83	5,632.24	23.387	ES
LA POUDRE SOUTH #4 - OH - OH	6,900.00	6,802.71	6,051.86	5,784.51	22.637	SF
Orr 36C-32-M - OH - OH	7,250.00	16,175.00	391.43	94.96	1.320	Level 3, ES, SF
Orr 36C-32-M - OH - OH	7,252.50	16,175.00	391.42	95.09	1.321	Level 3, CC
Orr State 36N-35C-M - OH - OH	6,412.55	6,624.00	7,498.35	7,419.30	94.858	CC, ES
Orr State 36N-35C-M - OH - OH	6,600.00	6,624.00	7,528.00	7,448.16	94.285	SF
PEANUT #1 - OH - OH	4,761.19	4,688.79	7,422.20	7,238.16	40.330	CC
PEANUT #1 - OH - OH	6,405.66	6,310.24	7,427.27	7,178.98	29.914	ES
PEANUT #1 - OH - OH	6,950.00	6,785.30	7,648.75	7,381.87	28.660	SF
REICHERT #1-6 - OH - OH	4,501.75	4,480.98	5,956.89	5,781.31	33.926	CC
REICHERT #1-6 - OH - OH	6,405.66	6,358.24	5,965.35	5,715.38	23.865	ES
REICHERT #1-6 - OH - OH	6,850.00	6,762.59	6,117.48	5,851.65	23.013	SF
ROTHER #1-14 - OH - OH	200.00	233.00	8,674.56	8,664.04	824.705	CC
ROTHER #1-14 - OH - OH	6,405.66	6,356.24	8,815.89	8,566.01	35.280	ES
ROTHER #1-14 - OH - OH	7,050.00	6,909.58	9,124.52	8,853.11	33.619	SF
SOUTH #6-21D - OH - OH	0.00	0.00	5,640.81			
SOUTH #6-21D - OH - OH	6,650.00	6,912.93	5,910.77	5,829.70	72.910	SF
SOUTH #6-22D - OH - OH	0.00	0.00	5,642.65			
SOUTH #6-22D - OH - OH	6,850.00	6,760.42	6,390.98	6,327.62	100.872	SF
SOUTH #6-23D - OH - OH	0.00	0.00	5,652.78			
SOUTH #6-23D - OH - OH	7,050.00	7,050.00	7,176.14	7,111.47	110.957	SF
SOUTH #6-24D - OH - OH	277.13	313.15	5,653.71	5,646.83	821.211	CC
SOUTH #6-24D - OH - OH	300.00	331.78	5,653.74	5,646.80	814.580	ES
SOUTH #6-24D - OH - OH	6,700.00	4,400.00	7,322.02	7,264.57	127.443	SF
SRC #31-5D - OH - OH	7,744.00	7,219.21	390.21	318.42	5.436	CC, ES, SF
SRC Northridge #11-4D - OH - OH	10,475.49	7,454.36	525.72	319.37	2.548	CC
SRC Northridge #11-4D - OH - OH	10,500.00	7,454.12	526.29	316.60	2.510	ES
SRC Northridge #11-4D - OH - OH	10,600.00	7,453.14	540.26	321.30	2.467	SF
SRC Northridge #12-4D - OH - OH	10,575.34	7,233.14	1,837.66	1,638.82	9.242	CC
SRC Northridge #12-4D - OH - OH	10,600.00	7,233.24	1,837.83	1,638.32	9.212	ES
SRC Northridge #12-4D - OH - OH	10,800.00	7,234.06	1,851.34	1,647.62	9.087	SF
SRC Northridge #21-4D - OH - OH	11,782.54	7,202.85	511.33	333.13	2.869	CC
SRC Northridge #21-4D - OH - OH	11,800.00	7,202.49	511.62	332.73	2.860	ES, SF
SRC Northridge #22-4D - OH - OH	11,749.54	5,065.90	2,792.83	2,673.55	23.415	CC
SRC Northridge #22-4D - OH - OH	11,800.00	5,065.90	2,793.28	2,673.00	23.223	ES

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Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
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Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
SRC Northridge #22-4D - OH - OH	12,500.00	5,065.90	2,891.90	2,760.80	22.060	SF
SRC Northridge #4AD - OH - OH	11,202.71	7,107.98	1,349.23	1,170.67	7.556	CC, ES
SRC Northridge #4AD - OH - OH	11,400.00	7,102.73	1,363.57	1,179.12	7.393	SF
SRC Northridge #4KD - OH - OH	11,001.48	6,900.00	2,645.42	2,463.83	14.568	CC, ES
SRC Northridge #4KD - OH - OH	11,400.00	6,900.00	2,675.27	2,488.31	14.309	SF
SRC Wiedeman #11-5-3NCHZ - OH - OH	344.58	343.18	507.46	500.45	72.409	CC
SRC Wiedeman #11-5-3NCHZ - OH - OH	17,300.00	16,845.00	935.53	309.84	1.495	Level 3, ES, SF
SRC Wiedeman #12-5-4CHZ - OH - OH	387.11	389.44	510.45	503.21	70.479	CC
SRC Wiedeman #12-5-4CHZ - OH - OH	600.00	612.73	510.88	502.63	61.924	ES
SRC Wiedeman #12-5-4CHZ - OH - OH	12,000.00	11,723.00	1,472.11	1,169.40	4.863	SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	410.13	414.92	513.95	506.61	70.039	CC
SRC Wiedeman #12-5-4NCHZ - OH - OH	500.00	508.93	514.09	506.35	66.453	ES
SRC Wiedeman #12-5-4NCHZ - OH - OH	12,000.00	11,650.00	1,678.46	1,373.94	5.512	SF
SRC Wiedeman #21-5-3CHZ - OH - OH	7,602.11	7,144.84	222.94	153.18	3.196	CC
SRC Wiedeman #21-5-3CHZ - OH - OH	16,900.00	16,464.64	307.70	-297.03	0.509	Level 1, ES, SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	4,361.13	4,381.88	500.63	460.09	12.349	CC
SRC Wiedeman #21-5-3NBHZ - OH - OH	17,300.00	16,792.00	704.83	76.67	1.122	Level 2, ES, SF
SRC Wiedeman #22-5-4CHZ - OH - OH	315.24	315.78	517.63	510.63	73.967	CC, ES
SRC Wiedeman #22-5-4CHZ - OH - OH	12,100.00	11,784.00	2,184.69	1,879.26	7.153	SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	446.06	450.14	509.92	502.44	68.189	CC, ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	17,300.00	16,769.00	1,159.70	531.69	1.847	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	4,756.24	0.00	1,081.93	1,059.93	49.174	CC, ES
SRC Wiedeman 22-5-4NBHZ - OH - OH	6,450.00	1,441.95	1,337.04	1,301.59	37.715	SF
WIEDEMAN #18-5 - OH - OH	100.00	59.10	956.04	949.47	145.460	CC, ES
WIEDEMAN #18-5 - OH - OH	6,550.00	6,492.39	1,506.79	1,448.86	26.010	SF
WIEDEMAN #22-5 - OH - OH	1,813.20	1,842.36	708.41	689.09	36.673	CC, ES
WIEDEMAN #22-5 - OH - OH	2,500.00	2,427.30	799.78	772.32	29.123	SF
WIEDEMAN #25-5 - OH - OH	1,160.34	1,100.26	953.40	941.71	81.546	CC
WIEDEMAN #25-5 - OH - OH	1,200.00	1,133.84	953.55	941.58	79.687	ES
WIEDEMAN #25-5 - OH - OH	6,750.00	6,961.12	2,779.00	2,715.16	43.531	SF
WIEDEMAN #29-5 - OH - OH	6,423.95	6,420.38	911.46	847.62	14.278	CC, ES
WIEDEMAN #29-5 - OH - OH	6,500.00	6,495.52	915.93	851.44	14.202	SF
WIEDEMAN #3-5 - OH - OH	4,449.91	4,464.71	260.58	217.88	6.103	CC
WIEDEMAN #3-5 - OH - OH	4,500.00	4,513.77	260.73	217.77	6.069	ES
WIEDEMAN #3-5 - OH - OH	5,000.00	5,012.84	274.34	228.37	5.967	SF
WIEDEMAN #4-5 - OH - OH	100.00	56.74	986.69	980.12	150.141	CC, ES
WIEDEMAN #4-5 - OH - OH	6,500.00	6,480.81	1,613.47	1,552.81	26.600	SF
WIEDEMAN #5-5 - OH - OH	100.00	57.15	972.01	965.44	147.901	CC, ES
WIEDEMAN #5-5 - OH - OH	6,600.00	6,636.47	2,499.13	2,438.83	41.441	SF
WIEDEMAN #6-5 - OH - OH	1,590.43	1,625.02	844.05	826.37	47.736	CC
WIEDEMAN #6-5 - OH - OH	1,600.00	1,633.24	844.06	826.28	47.462	ES
WIEDEMAN #6-5 - OH - OH	6,700.00	6,866.50	1,900.68	1,837.52	30.093	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								
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)				
0.00	0.00	0.00	0.00	3.28	3.28	-174.32	-89.63	-8.91	90.07						
100.00	100.00	100.00	100.00	3.28	3.28	-174.32	-89.63	-8.91	90.07	83.50	6.57	13.710			

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

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
200.00	200.00	200.00	200.00	3.34	3.34	-174.32	-89.63	-8.91	90.07	83.39	6.67	13.495	CC, ES	
300.00	299.98	299.98	299.98	3.45	3.44	-171.58	-89.63	-8.91	91.79	84.90	6.89	13.322		
400.00	399.84	401.43	401.41	3.61	3.60	-172.97	-88.91	-7.26	96.15	88.93	7.21	13.330		
500.00	499.45	502.60	502.43	3.82	3.81	-176.23	-86.79	-2.33	102.52	94.89	7.63	13.442		
600.00	598.70	603.24	602.68	4.07	4.05	179.18	-83.27	5.81	111.42	103.30	8.12	13.722		
680.00	677.76	683.22	682.08	4.29	4.28	174.95	-79.48	14.59	120.78	112.21	8.56	14.103		
700.00	697.48	703.14	701.81	4.35	4.33	173.85	-78.40	17.09	123.39	114.71	8.68	14.213		
800.00	796.08	801.86	799.41	4.66	4.64	168.49	-72.51	30.74	136.84	127.55	9.29	14.734		
900.00	894.68	900.20	896.58	4.98	4.96	164.04	-66.55	44.55	151.24	141.30	9.94	15.214		
1,000.00	993.28	1,001.47	993.75	5.34	5.32	160.37	-60.58	58.36	166.38	155.73	10.64	15.633		
1,100.00	1,091.88	1,096.86	1,090.93	5.71	5.68	157.32	-54.62	72.18	182.08	170.72	11.36	16.035		
1,200.00	1,190.48	1,204.81	1,188.10	6.10	6.09	154.75	-48.66	85.99	198.21	186.07	12.14	16.324		
1,300.00	1,289.07	1,306.48	1,285.27	6.49	6.50	152.57	-42.70	99.80	214.67	201.74	12.93	16.606		
1,400.00	1,387.67	1,408.15	1,382.45	6.90	6.91	150.70	-36.73	113.61	231.39	217.66	13.73	16.853		
1,500.00	1,486.27	1,509.82	1,479.62	7.31	7.33	149.09	-30.77	127.42	248.32	233.77	14.55	17.069		
1,600.00	1,584.87	1,588.51	1,576.79	7.73	7.67	147.68	-24.81	141.23	265.41	250.13	15.28	17.369		
1,700.00	1,683.47	1,686.84	1,673.96	8.16	8.08	146.44	-18.85	155.04	282.65	266.54	16.11	17.548		
1,800.00	1,782.07	1,785.17	1,771.14	8.59	8.51	145.35	-12.89	168.85	300.00	283.05	16.94	17.707		
1,900.00	1,880.67	1,883.50	1,868.31	9.02	8.94	144.37	-6.92	182.67	317.44	299.65	17.79	17.848		
2,000.00	1,979.27	1,981.83	1,965.48	9.46	9.37	143.49	-0.96	196.48	334.96	316.33	18.63	17.975		
2,100.00	2,077.87	2,080.16	2,062.66	9.90	9.80	142.71	5.00	210.29	352.55	333.06	19.49	18.088		
2,200.00	2,176.47	2,178.49	2,159.83	10.35	10.24	141.99	10.96	224.10	370.20	349.85	20.35	18.191		
2,300.00	2,275.07	2,276.82	2,257.00	10.79	10.68	141.34	16.93	237.91	387.90	366.69	21.22	18.283		
2,400.00	2,373.67	2,375.15	2,354.17	11.24	11.12	140.75	22.89	251.72	405.65	383.56	22.09	18.367		
2,500.00	2,472.27	2,473.48	2,451.35	11.69	11.56	140.21	28.85	265.53	423.43	400.47	22.96	18.443		
2,600.00	2,570.87	2,571.81	2,548.52	12.14	12.01	139.71	34.81	279.34	441.25	417.41	23.83	18.513		
2,700.00	2,669.47	2,670.14	2,645.69	12.59	12.45	139.25	40.77	293.15	459.09	434.38	24.71	18.577		
2,800.00	2,768.07	2,768.47	2,742.87	13.04	12.90	138.83	46.74	306.97	476.97	451.37	25.60	18.635		
2,900.00	2,866.67	2,866.80	2,840.04	13.50	13.35	138.43	52.70	320.78	494.86	468.39	26.48	18.689		
3,000.00	2,965.27	2,965.13	2,937.21	13.95	13.80	138.07	58.66	334.59	512.78	485.42	27.36	18.739		
3,100.00	3,063.87	3,063.46	3,034.38	14.41	14.25	137.72	64.62	348.40	530.72	502.47	28.25	18.785		
3,200.00	3,162.47	3,161.79	3,131.56	14.87	14.70	137.40	70.59	362.21	548.67	519.53	29.14	18.828		
3,300.00	3,261.07	3,260.12	3,228.73	15.32	15.15	137.10	76.55	376.02	566.64	536.61	30.03	18.868		
3,400.00	3,359.67	3,358.45	3,325.90	15.78	15.60	136.82	82.51	389.83	584.63	553.70	30.93	18.905		
3,500.00	3,458.27	3,456.78	3,423.08	16.24	16.06	136.56	88.47	403.64	602.62	570.81	31.82	18.939		
3,600.00	3,556.87	3,555.11	3,520.25	16.70	16.51	136.31	94.44	417.45	620.63	587.92	32.71	18.972		
3,700.00	3,655.47	3,653.44	3,617.42	17.16	16.96	136.07	100.40	431.27	638.65	605.04	33.61	19.002		
3,800.00	3,754.06	3,751.77	3,714.59	17.62	17.42	135.85	106.36	445.08	656.68	622.17	34.51	19.030		
3,900.00	3,852.66	3,850.11	3,811.77	18.08	17.87	135.64	112.32	458.89	674.72	639.31	35.40	19.057		
4,000.00	3,951.26	3,948.44	3,908.94	18.54	18.33	135.44	118.28	472.70	692.76	656.46	36.30	19.082		
4,100.00	4,049.86	4,046.77	4,006.11	19.01	18.79	135.25	124.25	486.51	710.82	673.61	37.20	19.106		
4,200.00	4,148.46	4,145.10	4,103.28	19.47	19.24	135.07	130.21	500.32	728.88	690.78	38.10	19.129		
4,300.00	4,247.06	4,243.43	4,200.46	19.93	19.70	134.90	136.17	514.13	746.95	707.94	39.01	19.150		
4,400.00	4,345.66	4,341.76	4,297.63	20.39	20.16	134.74	142.13	527.94	765.02	725.11	39.91	19.170		
4,500.00	4,444.26	4,440.09	4,394.80	20.86	20.61	134.58	148.10	541.75	783.10	742.29	40.81	19.189		
4,600.00	4,542.86	4,538.42	4,491.98	21.32	21.07	134.43	154.06	555.57	801.19	759.47	41.71	19.207		
4,700.00	4,641.46	4,636.75	4,589.15	21.78	21.53	134.29	160.02	569.38	819.28	776.66	42.62	19.225		
4,800.00	4,740.06	4,735.08	4,686.32	22.25	21.99	134.16	165.98	583.19	837.37	793.85	43.52	19.241		
4,900.00	4,838.66	4,833.41	4,783.49	22.71	22.45	134.03	171.95	597.00	855.47	811.04	44.42	19.257		
5,000.00	4,937.26	4,931.74	4,880.67	23.18	22.91	133.90	177.91	610.81	873.57	828.24	45.33	19.271		
5,100.00	5,035.86	5,030.07	4,977.84	23.64	23.36	133.78	183.87	624.62	891.68	845.44	46.24	19.286		
5,200.00	5,134.46	5,128.40	5,075.01	24.11	23.82	133.67	189.83	638.43	909.79	862.65	47.14	19.299		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,300.00	5,233.06	5,226.73	5,172.19	24.57	24.28	133.56	195.79	652.24	927.90	879.86	48.05	19.312		
5,400.00	5,331.66	5,325.06	5,269.36	25.04	24.74	133.45	201.76	666.05	946.02	897.07	48.95	19.325		
5,500.00	5,430.26	5,423.39	5,366.53	25.50	25.20	133.35	207.72	679.87	964.14	914.28	49.86	19.336		
5,600.00	5,528.86	5,521.72	5,463.70	25.97	25.66	133.25	213.68	693.68	982.26	931.49	50.77	19.348		
5,700.00	5,627.46	5,620.05	5,560.88	26.43	26.12	133.16	219.64	707.49	1,000.39	948.71	51.68	19.359		
5,800.00	5,726.06	5,718.38	5,658.05	26.90	26.58	133.06	225.61	721.30	1,018.52	965.93	52.58	19.369		
5,900.00	5,824.66	5,816.71	5,755.22	27.36	27.04	132.98	231.57	735.11	1,036.65	983.16	53.49	19.379		
6,000.00	5,923.26	5,915.04	5,852.40	27.83	27.50	132.89	237.53	748.92	1,054.78	1,000.38	54.40	19.389		
6,100.00	6,021.86	6,013.37	5,949.57	28.30	27.96	132.81	243.49	762.73	1,072.92	1,017.61	55.31	19.398		
6,200.00	6,120.46	6,111.70	6,046.74	28.76	28.42	132.73	249.46	776.54	1,091.05	1,034.83	56.22	19.407		
6,300.00	6,219.06	6,210.03	6,143.91	29.23	28.88	132.65	255.42	790.35	1,109.19	1,052.06	57.13	19.416		
6,405.66	6,323.24	7,800.72	7,131.60	29.72	40.22	-178.64	283.03	-34.27	1,076.46	1,024.75	51.71	20.817		
6,450.00	6,366.93	7,802.61	7,131.62	29.93	40.25	161.69	283.09	-32.38	1,049.08	995.75	53.33	19.670		
6,500.00	6,415.96	7,808.44	7,131.68	30.15	40.34	145.15	283.30	-26.56	1,019.74	964.51	55.23	18.462		
6,550.00	6,464.44	7,781.86	7,131.79	30.37	39.93	135.06	283.63	-16.86	992.28	935.54	56.73	17.490		
6,600.00	6,512.08	7,768.34	7,131.93	30.58	39.73	128.95	284.10	-3.35	966.91	908.55	58.37	16.566		
6,650.00	6,558.58	7,751.09	7,132.12	30.78	39.47	124.96	284.70	13.89	943.82	883.92	59.89	15.758		
6,700.00	6,603.65	7,730.21	7,132.34	30.97	39.16	122.08	285.43	34.75	923.10	861.81	61.29	15.060		
6,750.00	6,647.02	7,705.84	7,132.60	31.15	38.80	119.78	286.28	59.11	904.82	842.28	62.54	14.468		
6,800.00	6,688.42	7,678.11	7,132.90	31.31	38.42	117.75	287.24	86.82	888.95	825.30	63.65	13.967		
6,850.00	6,727.59	7,647.21	7,133.23	31.46	38.00	115.87	288.32	117.70	875.42	810.83	64.59	13.554		
6,900.00	6,764.29	7,613.32	7,133.59	31.60	37.55	114.06	289.49	151.57	864.09	798.74	65.35	13.223		
6,950.00	6,798.30	7,578.08	7,133.96	31.73	37.10	112.35	290.72	186.79	854.78	788.79	65.98	12.955		
7,000.00	6,829.41	7,541.75	7,134.54	31.84	36.32	109.39	292.85	253.01	846.69	780.50	66.20	12.791		
7,050.00	6,857.42	7,452.07	7,123.50	32.03	35.66	106.74	294.41	312.10	839.23	772.73	66.50	12.620		
7,100.00	6,882.16	7,397.64	7,111.38	32.36	35.10	104.32	295.54	365.13	832.55	765.70	66.84	12.455		
7,150.00	6,903.48	7,347.39	7,096.20	32.73	34.62	102.08	296.32	413.02	826.76	759.58	67.18	12.306		
7,200.00	6,921.25	7,300.50	7,078.69	33.15	34.21	100.00	296.82	456.50	821.94	754.44	67.50	12.178		
7,250.00	6,935.36	7,256.34	7,059.31	33.61	33.85	98.03	297.08	496.17	818.09	750.32	67.78	12.071		
7,300.00	6,945.72	7,214.41	7,038.41	34.11	33.55	96.16	297.14	532.52	815.22	747.18	68.03	11.983		
7,350.00	6,952.26	7,174.32	7,016.25	34.65	33.27	94.37	297.03	565.91	813.27	745.02	68.26	11.915		
7,403.14	6,955.00	7,133.40	6,991.50	35.26	33.01	92.57	296.75	598.49	812.17	743.70	68.47	11.862		
7,425.19	6,955.22	7,117.10	6,981.07	35.54	32.92	91.82	296.58	611.01	812.04	743.47	68.57	11.842		
7,500.00	6,955.99	7,066.83	6,946.94	36.49	32.63	89.39	295.92	647.90	813.74	744.89	68.85	11.820 SF		
7,600.00	6,957.03	7,010.35	6,905.27	37.93	32.34	86.44	294.87	685.99	822.12	752.91	69.20	11.879		
7,700.00	6,958.06	6,963.92	6,868.60	39.52	32.13	83.87	293.77	714.43	838.49	768.98	69.51	12.063		
7,800.00	6,959.09	6,925.46	6,836.74	41.25	31.95	81.66	292.70	735.92	863.35	793.60	69.75	12.378		
7,900.00	6,960.12	6,893.30	6,809.13	43.09	31.81	79.78	291.70	752.39	896.65	826.72	69.93	12.822		
8,000.00	6,961.15	6,866.14	6,785.20	45.04	31.70	78.17	290.79	765.19	937.94	867.88	70.06	13.387		
8,100.00	6,962.18	6,850.00	6,770.73	47.08	31.63	77.21	290.22	772.32	986.59	916.31	70.28	14.038		
8,200.00	6,963.21	6,823.04	6,746.18	49.20	31.52	75.60	289.21	783.39	1,041.64	971.45	70.20	14.839		
8,300.00	6,964.24	6,800.00	6,724.83	51.39	31.43	74.23	288.30	792.02	1,102.46	1,032.35	70.11	15.724		
8,400.00	6,965.27	6,800.00	6,724.83	53.64	31.43	74.23	288.30	792.02	1,168.22	1,097.84	70.39	16.597		
8,500.00	6,966.30	6,777.23	6,703.45	55.95	31.34	72.88	287.35	799.78	1,238.05	1,167.84	70.21	17.633		
8,600.00	6,967.33	6,765.38	6,692.22	58.30	31.29	72.17	286.85	803.52	1,311.57	1,241.37	70.19	18.685		
8,700.00	6,968.37	6,750.00	6,677.53	60.70	31.23	71.27	286.17	808.06	1,388.18	1,318.09	70.09	19.805		
8,800.00	6,969.40	6,750.00	6,677.53	63.14	31.23	71.27	286.17	808.06	1,467.40	1,397.20	70.20	20.903		
8,900.00	6,970.43	6,750.00	6,677.53	65.60	31.23	71.27	286.17	808.06	1,549.02	1,478.75	70.27	22.043		
9,000.00	6,971.46	6,728.96	6,657.29	68.10	31.15	70.03	285.22	813.69	1,632.25	1,562.19	70.07	23.296		
9,100.00	6,972.49	6,721.89	6,650.44	70.63	31.13	69.62	284.89	815.43	1,717.33	1,647.29	70.03	24.522		
9,200.00	6,973.52	6,700.00	6,629.13	73.18	31.04	68.36	283.86	820.34	1,804.08	1,734.26	69.82	25.838		
9,300.00	6,974.55	6,700.00	6,629.13	75.75	31.04	68.36	283.86	820.34	1,891.71	1,821.84	69.86	27.077		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,400.00	6,975.58	6,700.00	6,629.13	78.34	31.04	68.36	283.86	820.34	1,980.51	1,910.62	69.90	28.335		
9,500.00	6,976.61	6,700.00	6,629.13	80.94	31.04	68.36	283.86	820.34	2,070.34	2,000.42	69.92	29.610		
9,600.00	6,977.64	6,700.00	6,629.13	83.56	31.04	68.36	283.86	820.34	2,161.05	2,091.12	69.94	30.901		
9,700.00	6,978.68	6,700.00	6,629.13	86.20	31.04	68.36	283.86	820.34	2,252.56	2,182.61	69.95	32.204		
9,800.00	6,979.71	6,700.00	6,629.13	88.85	31.04	68.36	283.86	820.34	2,344.76	2,274.80	69.96	33.518		
9,900.00	6,980.74	6,700.00	6,629.13	91.51	31.04	68.36	283.86	820.34	2,437.57	2,367.61	69.96	34.841		
10,000.00	6,981.77	6,678.62	6,608.18	94.19	30.96	67.14	282.81	824.42	2,530.50	2,460.69	69.80	36.252		
10,100.00	6,982.80	6,675.31	6,604.92	96.87	30.95	66.95	282.65	824.99	2,624.21	2,554.42	69.79	37.602		
10,200.00	6,983.83	6,672.21	6,601.86	99.56	30.94	66.78	282.49	825.51	2,718.34	2,648.57	69.78	38.957		
10,300.00	6,984.86	6,650.00	6,579.93	102.27	30.85	65.54	281.37	828.78	2,813.22	2,743.59	69.63	40.401		
10,400.00	6,985.89	6,650.00	6,579.93	104.98	30.85	65.54	281.37	828.78	2,908.00	2,838.35	69.65	41.752		
10,500.00	6,986.92	6,650.00	6,579.93	107.69	30.85	65.54	281.37	828.78	3,003.13	2,933.46	69.67	43.106		
10,600.00	6,987.95	6,650.00	6,579.93	110.41	30.85	65.54	281.37	828.78	3,098.56	3,028.87	69.69	44.465		
10,700.00	6,988.99	6,650.00	6,579.93	113.14	30.85	65.54	281.37	828.78	3,194.27	3,124.56	69.70	45.827		
10,800.00	6,990.02	6,650.00	6,579.93	115.88	30.85	65.54	281.37	828.78	3,290.23	3,220.51	69.72	47.191		
10,900.00	6,991.05	6,650.00	6,579.93	118.62	30.85	65.54	281.37	828.78	3,386.43	3,316.69	69.74	48.558		
11,000.00	6,992.08	6,650.00	6,579.93	121.37	30.85	65.54	281.37	828.78	3,482.84	3,413.08	69.76	49.927		
11,100.00	6,993.11	6,650.00	6,579.93	124.12	30.85	65.54	281.37	828.78	3,579.45	3,509.67	69.78	51.297		
11,200.00	6,994.14	6,650.00	6,579.93	126.87	30.85	65.54	281.37	828.78	3,676.24	3,606.44	69.80	52.668		
11,300.00	6,995.17	6,650.00	6,579.93	129.63	30.85	65.54	281.37	828.78	3,773.20	3,703.38	69.82	54.040		
11,400.00	6,996.20	6,650.00	6,579.93	132.39	30.85	65.54	281.37	828.78	3,870.31	3,800.47	69.85	55.412		
11,500.00	6,997.23	6,650.00	6,579.93	135.16	30.85	65.54	281.37	828.78	3,967.57	3,897.70	69.87	56.785		
11,600.00	6,998.26	6,650.00	6,579.93	137.93	30.85	65.54	281.37	828.78	4,064.96	3,995.06	69.90	58.158		
11,700.00	6,999.30	6,650.00	6,579.93	140.70	30.85	65.54	281.37	828.78	4,162.47	4,092.55	69.92	59.530		
11,800.00	7,000.33	6,650.00	6,579.93	143.48	30.85	65.54	281.37	828.78	4,260.10	4,190.15	69.95	60.902		
11,900.00	7,001.36	6,650.00	6,579.93	146.26	30.85	65.54	281.37	828.78	4,357.84	4,287.86	69.98	62.274		
12,000.00	7,002.39	6,650.00	6,579.93	149.04	30.85	65.54	281.37	828.78	4,455.67	4,385.66	70.01	63.645		
12,100.00	7,003.42	6,650.00	6,579.93	151.82	30.85	65.54	281.37	828.78	4,553.60	4,483.56	70.04	65.014		
12,200.00	7,004.45	6,650.00	6,579.93	154.61	30.85	65.54	281.37	828.78	4,651.62	4,581.55	70.07	66.383		
12,300.00	7,005.48	6,650.00	6,579.93	157.40	30.85	65.54	281.37	828.78	4,749.72	4,679.62	70.11	67.750		
12,400.00	7,006.51	6,650.00	6,579.93	160.19	30.85	65.54	281.37	828.78	4,847.90	4,777.76	70.14	69.116		
12,500.00	7,007.54	6,650.00	6,579.93	162.98	30.85	65.54	281.37	828.78	4,946.15	4,875.98	70.18	70.481		
12,600.00	7,008.57	6,650.00	6,579.93	165.78	30.85	65.54	281.37	828.78	5,044.48	4,974.26	70.21	71.844		
12,700.00	7,009.61	6,650.00	6,579.93	168.58	30.85	65.54	281.37	828.78	5,142.86	5,072.61	70.25	73.205		
12,800.00	7,010.64	6,650.00	6,579.93	171.38	30.85	65.54	281.37	828.78	5,241.31	5,171.01	70.29	74.564		
12,900.00	7,011.67	6,627.63	6,557.73	174.18	30.77	64.31	280.20	831.30	5,339.37	5,269.14	70.24	76.018		
13,000.00	7,012.70	6,626.74	6,556.85	176.98	30.76	64.26	280.15	831.38	5,437.90	5,367.62	70.28	77.378		
13,100.00	7,013.73	6,625.88	6,555.99	179.78	30.76	64.22	280.10	831.46	5,536.47	5,466.16	70.32	78.735		
13,200.00	7,014.76	6,625.05	6,555.16	182.59	30.76	64.17	280.06	831.54	5,635.10	5,564.74	70.36	80.090		
13,300.00	7,015.79	6,624.24	6,554.36	185.39	30.75	64.13	280.02	831.61	5,733.77	5,663.37	70.40	81.442		
13,400.00	7,016.82	6,623.46	6,553.59	188.20	30.75	64.08	279.98	831.68	5,832.49	5,762.04	70.45	82.792		
13,500.00	7,017.85	6,622.70	6,552.83	191.01	30.75	64.04	279.94	831.75	5,931.24	5,860.75	70.49	84.139		
13,600.00	7,018.88	6,600.00	6,530.22	193.82	30.66	62.83	278.71	833.33	6,030.46	5,960.01	70.45	85.597		
13,700.00	7,019.91	6,600.00	6,530.22	196.63	30.66	62.83	278.71	833.33	6,129.27	6,058.76	70.50	86.936		
13,800.00	7,020.95	6,600.00	6,530.22	199.44	30.66	62.83	278.71	833.33	6,228.11	6,157.56	70.56	88.272		
13,900.00	7,021.98	6,600.00	6,530.22	202.26	30.66	62.83	278.71	833.33	6,326.99	6,256.39	70.61	89.605		
14,000.00	7,023.01	6,600.00	6,530.22	205.07	30.66	62.83	278.71	833.33	6,425.91	6,355.25	70.66	90.936		
14,100.00	7,024.04	6,600.00	6,530.22	207.89	30.66	62.83	278.71	833.33	6,524.86	6,454.14	70.72	92.263		
14,200.00	7,025.07	6,600.00	6,530.22	210.70	30.66	62.83	278.71	833.33	6,623.84	6,553.07	70.78	93.588		
14,300.00	7,026.10	6,600.00	6,530.22	213.52	30.66	62.83	278.71	833.33	6,722.86	6,652.02	70.83	94.910		
14,400.00	7,027.13	6,600.00	6,530.22	216.34	30.66	62.83	278.71	833.33	6,821.90	6,751.00	70.89	96.228		
14,500.00	7,028.16	6,600.00	6,530.22	219.16	30.66	62.83	278.71	833.33	6,920.97	6,850.01	70.95	97.544		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,600.00	7,029.19	6,600.00	6,530.22	221.98	30.66	62.83	278.71	833.33	7,020.06	6,949.05	71.01	98.856	
14,700.00	7,030.22	6,600.00	6,530.22	224.80	30.66	62.83	278.71	833.33	7,119.18	7,048.11	71.07	100.165	
14,800.00	7,031.26	6,600.00	6,530.22	227.62	30.66	62.83	278.71	833.33	7,218.33	7,147.19	71.14	101.471	
14,900.00	7,032.29	6,600.00	6,530.22	230.44	30.66	62.83	278.71	833.33	7,317.49	7,246.29	71.20	102.774	
15,000.00	7,033.32	6,600.00	6,530.22	233.26	30.66	62.83	278.71	833.33	7,416.68	7,345.42	71.26	104.073	
15,100.00	7,034.35	6,600.00	6,530.22	236.09	30.66	62.83	278.71	833.33	7,515.89	7,444.57	71.33	105.369	
15,200.00	7,035.38	6,600.00	6,530.22	238.91	30.66	62.83	278.71	833.33	7,615.13	7,543.73	71.40	106.662	
15,300.00	7,036.41	6,600.00	6,530.22	241.74	30.66	62.83	278.71	833.33	7,714.38	7,642.92	71.46	107.951	
15,400.00	7,037.44	6,600.00	6,530.22	244.56	30.66	62.83	278.71	833.33	7,813.65	7,742.12	71.53	109.236	
15,500.00	7,038.47	6,600.00	6,530.22	247.39	30.66	62.83	278.71	833.33	7,912.94	7,841.34	71.60	110.518	
15,600.00	7,039.50	6,600.00	6,530.22	250.21	30.66	62.83	278.71	833.33	8,012.25	7,940.58	71.67	111.796	
15,700.00	7,040.53	6,600.00	6,530.22	253.04	30.66	62.83	278.71	833.33	8,111.57	8,039.83	71.74	113.071	
15,800.00	7,041.57	6,600.00	6,530.22	255.87	30.66	62.83	278.71	833.33	8,210.91	8,139.10	71.81	114.342	
15,900.00	7,042.60	6,600.00	6,530.22	258.70	30.66	62.83	278.71	833.33	8,310.27	8,238.38	71.88	115.610	
16,000.00	7,043.63	6,600.00	6,530.22	261.53	30.66	62.83	278.71	833.33	8,409.64	8,337.68	71.96	116.873	
16,100.00	7,044.66	6,600.00	6,530.22	264.35	30.66	62.83	278.71	833.33	8,509.02	8,437.00	72.03	118.133	
16,200.00	7,045.69	6,600.00	6,530.22	267.18	30.66	62.83	278.71	833.33	8,608.43	8,536.32	72.10	119.389	
16,300.00	7,046.72	6,600.00	6,530.22	270.01	30.66	62.83	278.71	833.33	8,707.84	8,635.66	72.18	120.642	
16,400.00	7,047.75	6,600.00	6,530.22	272.84	30.66	62.83	278.71	833.33	8,807.27	8,735.01	72.26	121.890	
16,500.00	7,048.78	6,600.00	6,530.22	275.67	30.66	62.83	278.71	833.33	8,906.71	8,834.37	72.33	123.135	
16,600.00	7,049.81	6,600.00	6,530.22	278.51	30.66	62.83	278.71	833.33	9,006.16	8,933.75	72.41	124.376	
16,700.00	7,050.84	6,600.00	6,530.22	281.34	30.66	62.83	278.71	833.33	9,105.62	9,033.14	72.49	125.613	
16,800.00	7,051.88	6,600.00	6,530.22	284.17	30.66	62.83	278.71	833.33	9,205.10	9,132.53	72.57	126.845	
16,900.00	7,052.91	6,600.00	6,530.22	287.00	30.66	62.83	278.71	833.33	9,304.59	9,231.94	72.65	128.074	
17,000.00	7,053.94	6,600.00	6,530.22	289.83	30.66	62.83	278.71	833.33	9,404.09	9,331.36	72.73	129.299	
17,100.00	7,054.97	6,600.00	6,530.22	292.67	30.66	62.83	278.71	833.33	9,503.60	9,430.78	72.81	130.520	
17,200.00	7,056.00	6,600.00	6,530.22	295.50	30.66	62.83	278.71	833.33	9,603.12	9,530.22	72.90	131.737	
17,300.00	7,057.03	6,600.00	6,530.22	298.33	30.66	62.83	278.71	833.33	9,702.64	9,629.66	72.98	132.950	
17,400.00	7,058.06	6,600.00	6,530.22	301.17	30.66	62.83	278.71	833.33	9,802.18	9,729.12	73.06	134.159	
17,500.00	7,059.09	6,600.00	6,530.22	304.00	30.66	62.83	278.71	833.33	9,901.73	9,828.58	73.15	135.364	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	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	-174.25	-74.68	-7.52	75.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.25	-74.68	-7.52	75.06	68.49	6.57	11.426		
200.00	200.00	200.00	200.00	3.34	3.34	-174.25	-74.68	-7.52	75.06	68.38	6.67	11.246 CC, ES		
300.00	299.98	301.82	301.80	3.45	3.45	-172.54	-73.56	-6.09	75.57	68.67	6.90	10.957		
400.00	399.84	403.48	403.31	3.61	3.61	-176.00	-70.22	-1.83	77.29	70.06	7.23	10.692		
500.00	499.45	504.82	504.24	3.82	3.82	178.61	-64.68	5.23	80.72	73.07	7.65	10.550		
600.00	598.70	605.67	604.32	4.07	4.08	171.92	-56.99	15.05	86.59	78.44	8.15	10.624		
680.00	677.76	685.91	683.58	4.29	4.30	166.13	-49.31	24.83	93.51	84.91	8.60	10.875		
700.00	697.48	705.90	703.28	4.35	4.36	164.67	-47.19	27.54	95.52	86.80	8.72	10.957		
800.00	796.08	805.49	800.99	4.66	4.68	157.19	-35.34	42.65	105.88	96.55	9.34	11.342		
900.00	894.68	904.30	897.22	4.98	5.03	149.51	-21.52	60.26	117.35	107.34	10.01	11.728		
1,000.00	993.28	1,002.17	991.81	5.34	5.41	141.97	-6.00	80.06	130.63	119.90	10.72	12.181		
1,100.00	1,091.88	1,100.17	1,086.04	5.71	5.81	135.66	9.84	100.24	145.84	134.35	11.48	12.699		
1,200.00	1,190.48	1,202.50	1,180.27	6.10	6.25	130.57	25.67	120.43	162.47	150.18	12.29	13.219		
1,300.00	1,289.07	1,304.84	1,274.51	6.49	6.71	126.44	41.50	140.62	180.14	167.02	13.12	13.729		
1,400.00	1,387.67	1,407.18	1,368.74	6.90	7.19	123.04	57.33	160.80	198.56	184.59	13.97	14.215		
1,500.00	1,486.27	1,490.49	1,462.97	7.31	7.58	120.23	73.16	180.99	217.55	202.80	14.74	14.757		
1,600.00	1,584.87	1,588.15	1,557.21	7.73	8.04	117.87	89.00	201.17	236.96	221.37	15.59	15.196		
1,700.00	1,683.47	1,685.81	1,651.44	8.16	8.52	115.87	104.83	221.36	256.71	240.25	16.46	15.599		
1,800.00	1,782.07	1,783.47	1,745.67	8.59	9.00	114.15	120.66	241.54	276.71	259.39	17.33	15.970		
1,900.00	1,880.67	1,881.14	1,839.91	9.02	9.48	112.66	136.49	261.73	296.93	278.72	18.21	16.309		
2,000.00	1,979.27	1,978.80	1,934.14	9.46	9.97	111.36	152.32	281.91	317.31	298.22	19.09	16.620		
2,100.00	2,077.87	2,076.46	2,028.37	9.90	10.47	110.22	168.15	302.10	337.83	317.85	19.98	16.905		
2,200.00	2,176.47	2,174.12	2,122.61	10.35	10.96	109.21	183.99	322.29	358.47	337.59	20.88	17.167		
2,300.00	2,275.07	2,271.79	2,216.84	10.79	11.46	108.31	199.82	342.47	379.20	357.42	21.78	17.408		
2,400.00	2,373.67	2,369.45	2,311.07	11.24	11.96	107.51	215.65	362.66	400.01	377.32	22.69	17.631		
2,500.00	2,472.27	2,467.11	2,405.31	11.69	12.47	106.78	231.48	382.84	420.89	397.29	23.60	17.836		
2,600.00	2,570.87	2,564.78	2,499.54	12.14	12.97	106.12	247.31	403.03	441.83	417.32	24.51	18.026		
2,700.00	2,669.47	2,662.44	2,593.77	12.59	13.48	105.52	263.14	423.21	462.82	437.39	25.43	18.202		
2,800.00	2,768.07	2,760.10	2,688.01	13.04	13.99	104.97	278.98	443.40	483.85	457.50	26.35	18.366		
2,900.00	2,866.67	2,857.76	2,782.24	13.50	14.49	104.47	294.81	463.58	504.92	477.65	27.27	18.518		
3,000.00	2,965.27	2,955.43	2,876.47	13.95	15.01	104.01	310.64	483.77	526.03	497.84	28.19	18.661		
3,100.00	3,063.87	3,053.09	2,970.71	14.41	15.52	103.58	326.47	503.96	547.16	518.05	29.11	18.794		
3,200.00	3,162.47	3,150.75	3,064.94	14.87	16.03	103.19	342.30	524.14	568.33	538.29	30.04	18.918		
3,300.00	3,261.07	3,248.42	3,159.17	15.32	16.54	102.82	358.14	544.33	589.51	558.54	30.97	19.035		
3,400.00	3,359.67	3,346.08	3,253.41	15.78	17.06	102.48	373.97	564.51	610.72	578.82	31.90	19.145		
3,500.00	3,458.27	3,443.74	3,347.64	16.24	17.57	102.16	389.80	584.70	631.95	599.12	32.83	19.248		
3,600.00	3,556.87	3,541.40	3,441.87	16.70	18.09	101.87	405.63	604.88	653.20	619.43	33.76	19.346		
3,700.00	3,655.47	3,639.07	3,536.11	17.16	18.60	101.59	421.46	625.07	674.46	639.76	34.70	19.438		
3,800.00	3,754.06	3,736.73	3,630.34	17.62	19.12	101.33	437.29	645.25	695.73	660.10	35.63	19.524		
3,900.00	3,852.66	3,834.39	3,724.57	18.08	19.64	101.08	453.13	665.44	717.02	680.45	36.57	19.607		
4,000.00	3,951.26	3,932.06	3,818.81	18.54	20.16	100.85	468.96	685.63	738.32	700.81	37.51	19.685		
4,100.00	4,049.86	4,029.72	3,913.04	19.01	20.67	100.63	484.79	705.81	759.63	721.19	38.45	19.759		
4,200.00	4,148.46	4,127.38	4,007.27	19.47	21.19	100.42	500.62	726.00	780.95	741.57	39.38	19.829		
4,300.00	4,247.06	4,225.04	4,101.51	19.93	21.71	100.23	516.45	746.18	802.28	761.96	40.32	19.896		
4,400.00	4,345.66	4,322.71	4,195.74	20.39	22.23	100.04	532.29	766.37	823.62	782.36	41.26	19.960		
4,500.00	4,444.26	4,428.14	4,297.53	20.86	22.79	99.87	549.23	787.97	844.83	802.55	42.28	19.980		
4,600.00	4,542.86	4,522.00	4,418.10	21.32	23.41	99.86	566.72	810.28	863.81	820.36	43.46	19.878		
4,700.00	4,641.46	4,627.08	4,540.98	21.78	24.01	100.12	581.11	828.62	879.82	835.24	44.58	19.736		
4,800.00	4,740.06	4,802.91	4,665.50	22.25	24.57	100.62	592.23	842.80	892.86	847.21	45.65	19.559		
4,900.00	4,838.66	4,929.02	4,790.97	22.71	25.10	101.36	599.98	852.68	902.98	856.32	46.66	19.352		
5,000.00	4,937.26	5,054.91	4,916.65	23.18	25.59	102.34	604.31	858.20	910.26	862.64	47.62	19.117		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	5,174.13	5,035.86	23.64	26.03	103.48	605.32	859.48	914.91	866.40	48.51	18.859		
5,200.00	5,134.46	5,272.73	5,134.46	24.11	26.39	104.48	605.32	859.48	919.00	869.63	49.37	18.614		
5,300.00	5,233.06	5,371.33	5,233.06	24.57	26.75	105.47	605.32	859.48	923.36	873.13	50.23	18.382		
5,400.00	5,331.66	5,469.93	5,331.66	25.04	27.12	106.45	605.32	859.48	928.01	876.92	51.09	18.163		
5,500.00	5,430.26	5,568.53	5,430.26	25.50	27.48	107.42	605.32	859.48	932.93	880.98	51.95	17.957		
5,600.00	5,528.86	5,667.13	5,528.86	25.97	27.85	108.38	605.32	859.48	938.12	885.31	52.82	17.762		
5,700.00	5,627.46	5,765.73	5,627.46	26.43	28.22	109.33	605.32	859.48	943.58	889.90	53.68	17.578		
5,800.00	5,726.06	5,864.33	5,726.06	26.90	28.59	110.27	605.32	859.48	949.30	894.76	54.54	17.405		
5,900.00	5,824.66	5,962.93	5,824.66	27.36	28.96	111.19	605.32	859.48	955.28	899.87	55.40	17.242		
6,000.00	5,923.26	6,061.53	5,923.26	27.83	29.33	112.11	605.32	859.48	961.50	905.24	56.27	17.088		
6,100.00	6,021.86	6,160.13	6,021.86	28.30	29.71	113.01	605.32	859.48	967.98	910.85	57.13	16.943		
6,200.00	6,120.46	6,258.73	6,120.46	28.76	30.08	113.90	605.32	859.48	974.50	916.00	58.00	16.800		
6,300.00	6,219.06	6,357.33	6,219.06	29.23	30.45	114.79	605.32	859.48	981.02	921.15	58.87	16.657		
6,405.66	6,323.24	6,461.53	6,323.24	29.72	30.82	115.68	605.32	859.48	987.54	926.30	59.74	16.514		
6,450.00	6,366.93	6,505.23	6,366.93	29.93	31.03	116.17	605.32	859.48	990.00	928.00	60.00	16.400		
6,500.00	6,415.96	6,554.26	6,415.96	30.15	31.25	116.66	605.32	859.48	992.46	929.70	60.27	16.300		
6,550.00	6,464.44	6,603.29	6,464.44	30.37	31.47	117.15	605.32	859.48	994.92	931.40	60.54	16.200		
6,600.00	6,512.08	6,651.93	6,512.08	30.58	31.69	117.64	605.32	859.48	997.38	933.10	60.81	16.100		
6,650.00	6,558.58	6,698.53	6,558.58	30.78	31.90	118.13	605.32	859.48	999.84	934.80	61.08	16.000		
6,700.00	6,603.65	6,744.67	6,603.65	30.97	32.11	118.62	605.32	859.48	1002.30	936.50	61.35	15.900		
6,750.00	6,647.02	6,789.26	6,647.02	31.15	32.32	119.11	605.32	859.48	1004.76	938.20	61.62	15.800		
6,800.00	6,688.42	6,833.85	6,688.42	31.31	32.53	119.60	605.32	859.48	1007.22	939.90	61.89	15.700		
6,850.00	6,727.59	6,872.50	6,727.59	31.46	32.74	120.09	605.32	859.48	1009.68	941.60	62.16	15.600		
6,900.00	6,764.29	6,909.20	6,764.29	31.60	32.95	120.58	605.32	859.48	1012.14	943.30	62.43	15.500		
6,950.00	6,798.30	6,943.21	6,798.30	31.73	33.16	121.07	605.32	859.48	1014.60	945.00	62.70	15.400		
7,000.00	6,829.41	6,974.32	6,829.41	31.84	33.37	121.56	605.32	859.48	1017.06	946.70	62.97	15.300		
7,050.00	6,857.42	6,999.83	6,857.42	32.03	33.58	122.05	605.32	859.48	1019.52	948.40	63.24	15.200		
7,100.00	6,882.16	7,024.34	6,882.16	32.26	33.79	122.54	605.32	859.48	1021.98	950.10	63.51	15.100		
7,147.58	6,902.53	7,049.85	6,902.53	32.71	34.20	123.43	605.32	859.48	1024.44	951.80	63.78	15.000		
7,150.00	6,903.48	7,050.80	6,903.48	32.73	34.22	123.45	605.32	859.48	1024.60	951.90	63.79	15.000		
7,200.00	6,921.25	7,068.57	6,921.25	33.15	34.64	124.34	605.32	859.48	1027.06	953.60	64.06	14.900		
7,250.00	6,935.36	7,082.68	6,935.36	33.61	35.06	125.23	605.32	859.48	1029.52	955.30	64.33	14.800		
7,300.00	6,945.72	7,093.04	6,945.72	34.11	35.48	126.12	605.32	859.48	1031.98	957.00	64.60	14.700		
7,350.00	6,952.26	7,100.58	6,952.26	34.65	35.90	127.01	605.32	859.48	1034.44	958.70	64.87	14.600		
7,403.14	6,955.00	7,103.32	6,955.00	35.26	36.51	127.90	605.32	859.48	1036.90	960.40	65.14	14.500		
7,500.00	6,955.99	7,104.31	6,955.99	36.49	37.74	129.17	605.32	859.48	1039.36	962.10	65.41	14.400		
7,600.00	6,957.03	7,105.35	6,957.03	37.93	39.18	130.44	605.32	859.48	1041.82	963.80	65.68	14.300		
7,700.00	6,958.06	7,106.39	6,958.06	39.52	40.62	131.71	605.32	859.48	1044.28	965.50	65.95	14.200		
7,800.00	6,959.09	7,107.43	6,959.09	41.25	42.06	132.98	605.32	859.48	1046.74	967.20	66.22	14.100		
7,900.00	6,960.12	7,108.47	6,960.12	43.09	43.50	134.25	605.32	859.48	1049.20	968.90	66.49	14.000		
8,000.00	6,961.15	7,109.51	6,961.15	45.04	44.94	135.52	605.32	859.48	1051.66	970.60	66.76	13.900		
8,100.00	6,962.18	7,110.55	6,962.18	47.08	46.38	136.79	605.32	859.48	1054.12	972.30	67.03	13.800		
8,200.00	6,963.21	7,111.59	6,963.21	49.20	47.82	138.06	605.32	859.48	1056.58	974.00	67.30	13.700		
8,300.00	6,964.24	7,112.63	6,964.24	51.39	49.26	139.33	605.32	859.48	1059.04	975.70	67.57	13.600		
8,400.00	6,965.27	7,113.67	6,965.27	53.64	50.70	140.60	605.32	859.48	1061.50	977.40	67.84	13.500		
8,500.00	6,966.30	7,114.71	6,966.30	55.95	52.14	141.87	605.32	859.48	1063.96	979.10	68.11	13.400		
8,600.00	6,967.33	7,115.75	6,967.33	58.30	53.58	143.14	605.32	859.48	1066.42	980.80	68.38	13.300		
8,700.00	6,968.37	7,116.79	6,968.37	60.70	55.02	144.41	605.32	859.48	1068.88	982.50	68.65	13.200		
8,800.00	6,969.40	7,117.83	6,969.40	63.14	56.46	145.68	605.32	859.48	1071.34	984.20	68.92	13.100		
8,900.00	6,970.43	7,118.87	6,970.43	65.60	57.90	146.95	605.32	859.48	1073.80	985.90	69.19	13.000		
9,000.00	6,971.46	7,119.91	6,971.46	68.10	59.34	148.22	605.32	859.48	1076.26	987.60	69.46	12.900		
9,100.00	6,972.49	7,120.95	6,972.49	70.63	60.78	149.49	605.32	859.48	1078.72	989.30	69.73	12.800		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	6,650.00	6,508.54	73.18	31.58	48.48	604.00	828.87	1,698.61	1,636.83	61.78	27.496		
9,300.00	6,974.55	6,631.87	6,491.21	75.75	31.51	47.39	604.23	834.18	1,790.42	1,728.62	61.80	28.973		
9,400.00	6,975.58	6,624.92	6,484.51	78.34	31.48	46.98	604.31	836.08	1,883.06	1,821.10	61.96	30.390		
9,500.00	6,976.61	6,618.48	6,478.31	80.94	31.46	46.61	604.39	837.78	1,976.34	1,914.22	62.12	31.815		
9,600.00	6,977.64	6,600.00	6,460.39	83.56	31.38	45.54	604.58	842.30	2,070.32	2,008.21	62.12	33.330		
9,700.00	6,978.68	6,600.00	6,460.39	86.20	31.38	45.54	604.58	842.30	2,164.53	2,102.21	62.32	34.731		
9,800.00	6,979.71	6,600.00	6,460.39	88.85	31.38	45.54	604.58	842.30	2,259.24	2,196.73	62.51	36.142		
9,900.00	6,980.74	6,600.00	6,460.39	91.51	31.38	45.54	604.58	842.30	2,354.38	2,291.70	62.68	37.562		
10,000.00	6,981.77	6,600.00	6,460.39	94.19	31.38	45.54	604.58	842.30	2,449.91	2,387.07	62.84	38.989		
10,100.00	6,982.80	6,600.00	6,460.39	96.87	31.38	45.54	604.58	842.30	2,545.78	2,482.80	62.98	40.422		
10,200.00	6,983.83	6,600.00	6,460.39	99.56	31.38	45.54	604.58	842.30	2,641.96	2,578.85	63.11	41.861		
10,300.00	6,984.86	6,580.51	6,441.37	102.27	31.31	44.46	604.76	846.51	2,738.05	2,674.98	63.07	43.412		
10,400.00	6,985.89	6,576.98	6,437.90	104.98	31.30	44.27	604.79	847.21	2,834.61	2,771.45	63.17	44.875		
10,500.00	6,986.92	6,573.65	6,434.63	107.69	31.28	44.09	604.82	847.85	2,931.38	2,868.12	63.26	46.340		
10,600.00	6,987.95	6,570.49	6,431.53	110.41	31.27	43.91	604.84	848.44	3,028.34	2,964.99	63.35	47.807		
10,700.00	6,988.99	6,550.00	6,411.34	113.14	31.20	42.83	604.99	851.92	3,125.76	3,062.46	63.30	49.379		
10,800.00	6,990.02	6,550.00	6,411.34	115.88	31.20	42.83	604.99	851.92	3,222.96	3,159.55	63.41	50.828		
10,900.00	6,991.05	6,550.00	6,411.34	118.62	31.20	42.83	604.99	851.92	3,320.34	3,256.82	63.51	52.278		
11,000.00	6,992.08	6,550.00	6,411.34	121.37	31.20	42.83	604.99	851.92	3,417.86	3,354.25	63.61	53.730		
11,100.00	6,993.11	6,550.00	6,411.34	124.12	31.20	42.83	604.99	851.92	3,515.52	3,451.81	63.71	55.182		
11,200.00	6,994.14	6,550.00	6,411.34	126.87	31.20	42.83	604.99	851.92	3,613.31	3,549.51	63.80	56.635		
11,300.00	6,995.17	6,550.00	6,411.34	129.63	31.20	42.83	604.99	851.92	3,711.22	3,647.33	63.89	58.087		
11,400.00	6,996.20	6,550.00	6,411.34	132.39	31.20	42.83	604.99	851.92	3,809.24	3,745.26	63.98	59.539		
11,500.00	6,997.23	6,550.00	6,411.34	135.16	31.20	42.83	604.99	851.92	3,907.36	3,843.29	64.06	60.991		
11,600.00	6,998.26	6,550.00	6,411.34	137.93	31.20	42.83	604.99	851.92	4,005.57	3,941.42	64.15	62.442		
11,700.00	6,999.30	6,550.00	6,411.34	140.70	31.20	42.83	604.99	851.92	4,103.86	4,039.63	64.23	63.892		
11,800.00	7,000.33	6,550.00	6,411.34	143.48	31.20	42.83	604.99	851.92	4,202.24	4,137.93	64.31	65.341		
11,900.00	7,001.36	6,550.00	6,411.34	146.26	31.20	42.83	604.99	851.92	4,300.69	4,236.30	64.39	66.788		
12,000.00	7,002.39	6,550.00	6,411.34	149.04	31.20	42.83	604.99	851.92	4,399.22	4,334.74	64.47	68.234		
12,100.00	7,003.42	6,550.00	6,411.34	151.82	31.20	42.83	604.99	851.92	4,497.80	4,433.25	64.55	69.678		
12,200.00	7,004.45	6,550.00	6,411.34	154.61	31.20	42.83	604.99	851.92	4,596.45	4,531.82	64.63	71.120		
12,300.00	7,005.48	6,550.00	6,411.34	157.40	31.20	42.83	604.99	851.92	4,695.16	4,630.45	64.71	72.560		
12,400.00	7,006.51	6,550.00	6,411.34	160.19	31.20	42.83	604.99	851.92	4,793.92	4,729.13	64.78	73.998		
12,500.00	7,007.54	6,550.00	6,411.34	162.98	31.20	42.83	604.99	851.92	4,892.73	4,827.87	64.86	75.433		
12,600.00	7,008.57	6,550.00	6,411.34	165.78	31.20	42.83	604.99	851.92	4,991.58	4,926.65	64.94	76.866		
12,700.00	7,009.61	6,550.00	6,411.34	168.58	31.20	42.83	604.99	851.92	5,090.49	5,025.47	65.02	78.297		
12,800.00	7,010.64	6,528.23	6,389.77	171.38	31.12	41.72	605.12	854.89	5,189.01	5,124.02	64.99	79.846		
12,900.00	7,011.67	6,527.05	6,388.60	174.18	31.11	41.66	605.13	855.03	5,287.95	5,222.89	65.06	81.278		
13,000.00	7,012.70	6,525.90	6,387.47	176.98	31.11	41.60	605.13	855.17	5,386.93	5,321.79	65.13	82.707		
13,100.00	7,013.73	6,524.80	6,386.37	179.78	31.10	41.55	605.14	855.29	5,485.94	5,420.73	65.21	84.132		
13,200.00	7,014.76	6,523.73	6,385.31	182.59	31.10	41.50	605.14	855.42	5,584.98	5,519.70	65.28	85.554		
13,300.00	7,015.79	6,522.70	6,384.28	185.39	31.09	41.44	605.15	855.53	5,684.05	5,618.70	65.35	86.973		
13,400.00	7,016.82	6,500.00	6,361.68	188.20	31.01	40.34	605.24	857.65	5,783.57	5,718.24	65.33	88.525		
13,500.00	7,017.85	6,500.00	6,361.68	191.01	31.01	40.34	605.24	857.65	5,882.66	5,817.25	65.41	89.931		
13,600.00	7,018.88	6,500.00	6,361.68	193.82	31.01	40.34	605.24	857.65	5,981.79	5,916.30	65.49	91.334		
13,700.00	7,019.91	6,500.00	6,361.68	196.63	31.01	40.34	605.24	857.65	6,080.95	6,015.37	65.57	92.734		
13,800.00	7,020.95	6,500.00	6,361.68	199.44	31.01	40.34	605.24	857.65	6,180.13	6,114.47	65.66	94.130		
13,900.00	7,021.98	6,500.00	6,361.68	202.26	31.01	40.34	605.24	857.65	6,279.34	6,213.60	65.74	95.522		
14,000.00	7,023.01	6,500.00	6,361.68	205.07	31.01	40.34	605.24	857.65	6,378.57	6,312.75	65.82	96.911		
14,100.00	7,024.04	6,500.00	6,361.68	207.89	31.01	40.34	605.24	857.65	6,477.83	6,411.93	65.90	98.296		
14,200.00	7,025.07	6,500.00	6,361.68	210.70	31.01	40.34	605.24	857.65	6,577.11	6,511.13	65.98	99.677		
14,300.00	7,026.10	6,500.00	6,361.68	213.52	31.01	40.34	605.24	857.65	6,676.41	6,610.34	66.07	101.055		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	6,500.00	6,361.68	216.34	31.01	40.34	605.24	857.65	6,775.73	6,709.58	66.15	102.429		
14,500.00	7,028.16	6,500.00	6,361.68	219.16	31.01	40.34	605.24	857.65	6,875.07	6,808.84	66.23	103.799		
14,600.00	7,029.19	6,500.00	6,361.68	221.98	31.01	40.34	605.24	857.65	6,974.43	6,908.11	66.32	105.165		
14,700.00	7,030.22	6,500.00	6,361.68	224.80	31.01	40.34	605.24	857.65	7,073.81	7,007.41	66.40	106.527		
14,800.00	7,031.26	6,500.00	6,361.68	227.62	31.01	40.34	605.24	857.65	7,173.21	7,106.72	66.49	107.884		
14,900.00	7,032.29	6,500.00	6,361.68	230.44	31.01	40.34	605.24	857.65	7,272.62	7,206.04	66.58	109.238		
15,000.00	7,033.32	6,500.00	6,361.68	233.26	31.01	40.34	605.24	857.65	7,372.05	7,305.38	66.66	110.588		
15,100.00	7,034.35	6,500.00	6,361.68	236.09	31.01	40.34	605.24	857.65	7,471.49	7,404.74	66.75	111.933		
15,200.00	7,035.38	6,500.00	6,361.68	238.91	31.01	40.34	605.24	857.65	7,570.95	7,504.11	66.84	113.275		
15,300.00	7,036.41	6,500.00	6,361.68	241.74	31.01	40.34	605.24	857.65	7,670.42	7,603.49	66.93	114.612		
15,400.00	7,037.44	6,500.00	6,361.68	244.56	31.01	40.34	605.24	857.65	7,769.91	7,702.89	67.01	115.944		
15,500.00	7,038.47	6,500.00	6,361.68	247.39	31.01	40.34	605.24	857.65	7,869.40	7,802.30	67.10	117.273		
15,600.00	7,039.50	6,500.00	6,361.68	250.21	31.01	40.34	605.24	857.65	7,968.91	7,901.72	67.19	118.597		
15,700.00	7,040.53	6,500.00	6,361.68	253.04	31.01	40.34	605.24	857.65	8,068.44	8,001.15	67.28	119.916		
15,800.00	7,041.57	6,500.00	6,361.68	255.87	31.01	40.34	605.24	857.65	8,167.97	8,100.60	67.37	121.232		
15,900.00	7,042.60	6,500.00	6,361.68	258.70	31.01	40.34	605.24	857.65	8,267.52	8,200.05	67.47	122.542		
16,000.00	7,043.63	6,500.00	6,361.68	261.53	31.01	40.34	605.24	857.65	8,367.08	8,299.52	67.56	123.849		
16,100.00	7,044.66	6,500.00	6,361.68	264.35	31.01	40.34	605.24	857.65	8,466.64	8,398.99	67.65	125.150		
16,200.00	7,045.69	6,500.00	6,361.68	267.18	31.01	40.34	605.24	857.65	8,566.22	8,498.48	67.75	126.447		
16,300.00	7,046.72	6,500.00	6,361.68	270.01	31.01	40.34	605.24	857.65	8,665.81	8,597.97	67.84	127.740		
16,400.00	7,047.75	6,500.00	6,361.68	272.84	31.01	40.34	605.24	857.65	8,765.40	8,697.47	67.93	129.028		
16,500.00	7,048.78	6,500.00	6,361.68	275.67	31.01	40.34	605.24	857.65	8,865.01	8,796.98	68.03	130.311		
16,600.00	7,049.81	6,500.00	6,361.68	278.51	31.01	40.34	605.24	857.65	8,964.62	8,896.50	68.13	131.590		
16,700.00	7,050.84	6,500.00	6,361.68	281.34	31.01	40.34	605.24	857.65	9,064.25	8,996.03	68.22	132.864		
16,800.00	7,051.88	6,500.00	6,361.68	284.17	31.01	40.34	605.24	857.65	9,163.88	9,095.56	68.32	134.134		
16,900.00	7,052.91	6,500.00	6,361.68	287.00	31.01	40.34	605.24	857.65	9,263.52	9,195.10	68.42	135.398		
17,000.00	7,053.94	6,500.00	6,361.68	289.83	31.01	40.34	605.24	857.65	9,363.16	9,294.65	68.52	136.658		
17,100.00	7,054.97	6,500.00	6,361.68	292.67	31.01	40.34	605.24	857.65	9,462.82	9,394.20	68.61	137.914		
17,200.00	7,056.00	6,500.00	6,361.68	295.50	31.01	40.34	605.24	857.65	9,562.48	9,493.77	68.71	139.164		
17,300.00	7,057.03	6,500.00	6,361.68	298.33	31.01	40.34	605.24	857.65	9,662.15	9,593.33	68.81	140.410		
17,400.00	7,058.06	6,500.00	6,361.68	301.17	31.01	40.34	605.24	857.65	9,761.82	9,692.91	68.91	141.651		
17,500.00	7,059.09	6,500.00	6,361.68	304.00	31.01	40.34	605.24	857.65	9,861.51	9,792.49	69.02	142.887		
17,600.00	7,060.12	6,500.00	6,361.68	306.84	31.01	40.34	605.24	857.65	9,961.19	9,892.08	69.12	144.119		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	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	-174.36	-149.36	-14.75	150.09					
100.00	100.00	100.00	100.00	3.28	3.28	-174.36	-149.36	-14.75	150.09	143.52	6.57	22.847		
200.00	200.00	200.00	200.00	3.34	3.34	-174.36	-149.36	-14.75	150.09	143.42	6.67	22.489 CC, ES		
300.00	299.98	299.98	299.98	3.45	3.44	-171.55	-149.36	-14.75	151.82	144.93	6.89	22.033		
400.00	399.84	398.10	398.08	3.61	3.59	-172.39	-150.04	-13.22	157.54	150.34	7.20	21.867 SF		
500.00	499.45	495.50	495.35	3.82	3.78	-174.37	-152.04	-8.65	167.95	160.34	7.61	22.079		
600.00	598.70	591.68	591.17	4.07	4.01	-177.13	-155.31	-1.16	183.31	175.23	8.09	22.666		
680.00	677.76	667.43	666.43	4.29	4.21	-179.63	-158.80	6.80	199.39	190.87	8.52	23.399		
700.00	697.48	686.19	685.02	4.35	4.26	179.72	-159.79	9.05	203.88	195.24	8.64	23.604		
800.00	796.08	779.18	776.95	4.66	4.55	176.50	-165.40	21.87	227.63	218.41	9.22	24.688		
900.00	894.68	870.70	866.94	4.98	4.85	173.32	-172.09	37.15	253.68	243.84	9.84	25.774		
1,000.00	993.28	960.61	954.77	5.34	5.18	170.27	-179.78	54.71	282.18	271.69	10.49	26.899		
1,100.00	1,091.88	1,048.76	1,040.27	5.71	5.54	167.38	-188.40	74.37	313.22	302.06	11.16	28.067		
1,200.00	1,190.48	1,137.06	1,125.24	6.10	5.91	164.65	-198.03	96.36	346.77	334.93	11.85	29.271		
1,300.00	1,289.07	1,229.66	1,214.16	6.49	6.34	162.18	-208.40	120.04	381.49	368.91	12.58	30.333		
1,400.00	1,387.67	1,322.26	1,303.07	6.90	6.78	160.13	-218.77	143.72	416.73	403.40	13.33	31.273		
1,500.00	1,486.27	1,414.86	1,391.99	7.31	7.23	158.38	-229.14	167.40	452.37	438.28	14.09	32.104		
1,600.00	1,584.87	1,507.46	1,480.91	7.73	7.69	156.89	-239.51	191.07	488.34	473.47	14.87	32.839		
1,700.00	1,683.47	1,600.06	1,569.83	8.16	8.17	155.61	-249.88	214.75	524.56	508.89	15.66	33.489		
1,800.00	1,782.07	1,707.34	1,658.75	8.59	8.73	154.49	-260.25	238.43	560.97	544.44	16.54	33.924		
1,900.00	1,880.67	1,785.26	1,747.66	9.02	9.14	153.50	-270.62	262.11	597.56	580.28	17.28	34.580		
2,000.00	1,979.27	1,877.86	1,836.58	9.46	9.64	152.63	-280.99	285.79	634.28	616.18	18.10	35.040		
2,100.00	2,077.87	1,970.45	1,925.50	9.90	10.14	151.85	-291.36	309.46	671.12	652.19	18.93	35.452		
2,200.00	2,176.47	2,063.05	2,014.42	10.35	10.64	151.15	-301.73	333.14	708.05	688.29	19.77	35.823		
2,300.00	2,275.07	2,155.65	2,103.34	10.79	11.15	150.52	-312.10	356.82	745.07	724.46	20.61	36.158		
2,400.00	2,373.67	2,248.25	2,192.25	11.24	11.66	149.95	-322.47	380.50	782.15	760.70	21.45	36.462		
2,500.00	2,472.27	2,340.85	2,281.17	11.69	12.18	149.43	-332.84	404.18	819.30	797.00	22.30	36.737		
2,600.00	2,570.87	2,433.45	2,370.09	12.14	12.69	148.96	-343.21	427.85	856.50	833.35	23.16	36.989		
2,700.00	2,669.47	2,526.05	2,459.01	12.59	13.21	148.52	-353.58	451.53	893.75	869.73	24.01	37.218		
2,800.00	2,768.07	2,618.65	2,547.92	13.04	13.73	148.12	-363.95	475.21	931.04	906.16	24.87	37.429		
2,900.00	2,866.67	2,711.25	2,636.84	13.50	14.25	147.75	-374.32	498.89	968.36	942.62	25.74	37.623		
3,000.00	2,965.27	2,803.85	2,725.76	13.95	14.78	147.41	-384.69	522.57	1,005.72	979.11	26.61	37.801		
3,100.00	3,063.87	2,903.56	2,814.68	14.41	15.34	147.09	-395.06	546.24	1,043.10	1,015.59	27.51	37.917		
3,200.00	3,162.47	2,989.04	2,903.60	14.87	15.83	146.80	-405.43	569.92	1,080.51	1,052.17	28.35	38.119		
3,300.00	3,261.07	3,081.64	2,992.51	15.32	16.36	146.52	-415.80	593.60	1,117.95	1,088.73	29.22	38.261		
3,400.00	3,359.67	3,174.24	3,081.43	15.78	16.88	146.26	-426.17	617.28	1,155.40	1,125.31	30.09	38.393		
3,500.00	3,458.27	3,266.84	3,170.35	16.24	17.41	146.02	-436.54	640.96	1,192.87	1,161.90	30.97	38.516		
3,600.00	3,556.87	3,359.81	3,294.64	16.70	18.14	145.75	-450.33	672.46	1,229.46	1,197.26	32.20	38.183		
3,700.00	3,655.47	3,547.52	3,442.60	17.16	18.92	145.63	-463.75	703.09	1,262.05	1,228.48	33.57	37.598		
3,800.00	3,754.06	3,703.83	3,596.67	17.62	19.66	145.71	-474.27	727.11	1,290.20	1,255.33	34.88	36.993		
3,900.00	3,852.66	3,863.98	3,755.78	18.08	20.34	145.98	-481.53	743.69	1,313.74	1,277.63	36.10	36.387		
4,000.00	3,951.26	4,027.09	3,918.60	18.54	20.97	146.44	-485.25	752.19	1,332.53	1,295.29	37.24	35.784		
4,100.00	4,049.86	4,158.36	4,049.86	19.01	21.44	146.93	-485.71	753.25	1,347.13	1,308.96	38.17	35.290		
4,200.00	4,148.46	4,256.96	4,148.46	19.47	21.77	147.32	-485.71	753.25	1,361.19	1,322.20	39.00	34.904		
4,300.00	4,247.06	4,355.56	4,247.06	19.93	22.11	147.69	-485.71	753.25	1,375.32	1,335.49	39.83	34.533		
4,400.00	4,345.66	4,454.16	4,345.66	20.39	22.46	148.06	-485.71	753.25	1,389.50	1,348.84	40.66	34.177		
4,500.00	4,444.26	4,552.76	4,444.26	20.86	22.81	148.41	-485.71	753.25	1,403.73	1,362.24	41.49	33.834		
4,600.00	4,542.86	4,651.36	4,542.86	21.32	23.16	148.77	-485.71	753.25	1,418.02	1,375.69	42.32	33.504		
4,700.00	4,641.46	4,749.96	4,641.46	21.78	23.51	149.11	-485.71	753.25	1,432.36	1,389.20	43.16	33.187		
4,800.00	4,740.06	4,848.56	4,740.06	22.25	23.87	149.45	-485.71	753.25	1,446.75	1,402.75	44.00	32.881		
4,900.00	4,838.66	4,947.16	4,838.66	22.71	24.22	149.78	-485.71	753.25	1,461.18	1,416.34	44.84	32.587		
5,000.00	4,937.26	5,045.76	4,937.26	23.18	24.59	150.11	-485.71	753.25	1,475.67	1,429.99	45.68	32.303		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	5,144.36	5,035.86	23.64	24.95	150.42	-485.71	753.25	1,490.20	1,443.67	46.53	32.030		
5,200.00	5,134.46	5,242.96	5,134.46	24.11	25.31	150.74	-485.71	753.25	1,504.77	1,457.40	47.37	31.766		
5,300.00	5,233.06	5,341.56	5,233.06	24.57	25.68	151.04	-485.71	753.25	1,519.39	1,471.18	48.22	31.511		
5,400.00	5,331.66	5,440.16	5,331.66	25.04	26.05	151.34	-485.71	753.25	1,534.05	1,484.99	49.07	31.265		
5,500.00	5,430.26	5,538.76	5,430.26	25.50	26.42	151.64	-485.71	753.25	1,548.75	1,498.84	49.92	31.027		
5,600.00	5,528.86	5,637.36	5,528.86	25.97	26.80	151.93	-485.71	753.25	1,563.50	1,512.73	50.77	30.798		
5,700.00	5,627.46	5,735.96	5,627.46	26.43	27.17	152.21	-485.71	753.25	1,578.28	1,526.66	51.62	30.575		
5,800.00	5,726.06	5,834.56	5,726.06	26.90	27.55	152.49	-485.71	753.25	1,593.09	1,540.62	52.47	30.361		
5,900.00	5,824.66	5,933.16	5,824.66	27.36	27.92	152.76	-485.71	753.25	1,607.95	1,554.62	53.33	30.153		
6,000.00	5,923.26	6,031.75	5,923.26	27.83	28.30	153.03	-485.71	753.25	1,622.83	1,568.65	54.18	29.951		
6,100.00	6,021.86	6,130.35	6,021.86	28.30	28.69	153.30	-485.71	753.25	1,637.76	1,582.72	55.04	29.756		
6,200.00	6,120.46	6,228.95	6,120.46	28.76	29.07	153.56	-485.71	753.25	1,652.71	1,596.82	55.90	29.568		
6,300.00	6,219.06	6,327.55	6,219.06	29.23	29.45	153.81	-485.71	753.25	1,667.70	1,610.95	56.75	29.385		
6,405.66	6,323.24	6,431.74	6,323.24	29.72	29.86	154.07	-485.71	753.25	1,683.58	1,625.91	57.66	29.197		
6,450.00	6,366.93	6,475.43	6,366.93	29.93	30.03	131.08	-485.71	753.25	1,689.53	1,631.48	58.04	29.108		
6,500.00	6,415.96	6,524.46	6,415.96	30.15	30.22	111.56	-485.71	753.25	1,694.51	1,636.03	58.48	28.978		
6,550.00	6,464.44	7,752.98	7,166.51	30.37	39.35	130.36	-509.94	3.99	1,681.74	1,617.72	64.02	26.270		
6,600.00	6,512.08	7,739.31	7,166.70	30.58	39.15	123.16	-509.49	17.66	1,669.65	1,604.94	64.71	25.802		
6,650.00	6,558.58	7,721.90	7,166.95	30.78	38.89	118.34	-508.93	35.06	1,659.05	1,593.76	65.29	25.410		
6,700.00	6,603.65	7,700.87	7,167.26	30.97	38.58	114.86	-508.25	56.07	1,649.92	1,584.16	65.76	25.089		
6,750.00	6,647.02	7,676.35	7,167.61	31.15	38.25	112.17	-507.46	80.58	1,642.21	1,576.06	66.15	24.824		
6,800.00	6,688.42	7,646.52	7,168.04	31.31	37.85	109.89	-506.50	110.39	1,635.83	1,569.42	66.41	24.631		
6,850.00	6,727.59	7,546.98	7,161.29	31.46	36.61	105.98	-503.29	209.55	1,629.98	1,564.27	65.71	24.807		
6,900.00	6,764.29	7,473.43	7,146.42	31.60	35.76	103.05	-500.96	281.50	1,624.34	1,558.89	65.45	24.818		
6,950.00	6,798.30	7,414.58	7,128.59	31.73	35.13	100.73	-499.15	337.53	1,619.19	1,553.79	65.40	24.757		
7,000.00	6,829.41	7,364.71	7,109.49	31.84	34.65	98.83	-497.66	383.56	1,614.64	1,549.17	65.46	24.664		
7,050.00	6,857.42	7,320.68	7,089.68	32.03	34.25	97.19	-496.39	422.85	1,610.71	1,545.12	65.59	24.558		
7,100.00	6,882.16	7,280.65	7,069.34	32.36	33.92	95.76	-495.28	457.31	1,607.41	1,541.66	65.75	24.447		
7,150.00	6,903.48	7,243.48	7,048.55	32.73	33.63	94.47	-494.29	488.10	1,604.71	1,538.77	65.94	24.334		
7,200.00	6,921.25	7,208.41	7,027.33	33.15	33.37	93.29	-493.38	515.99	1,602.58	1,536.41	66.17	24.220		
7,250.00	6,935.36	7,174.95	7,005.66	33.61	33.15	92.20	-492.56	541.48	1,600.97	1,534.54	66.42	24.102		
7,300.00	6,945.72	7,142.73	6,983.57	34.11	32.94	91.19	-491.80	564.91	1,599.81	1,533.11	66.70	23.984		
7,350.00	6,952.26	7,111.49	6,961.04	34.65	32.75	90.26	-491.10	586.54	1,599.06	1,532.05	67.02	23.861		
7,403.14	6,955.00	7,079.16	6,936.64	35.26	32.57	89.34	-490.42	607.73	1,598.64	1,531.26	67.38	23.726		
7,415.39	6,955.12	7,071.90	6,931.01	35.42	32.53	89.14	-490.27	612.32	1,598.61	1,531.13	67.48	23.691		
7,500.00	6,955.99	7,026.97	6,895.07	36.49	32.29	87.84	-489.40	639.24	1,600.11	1,531.95	68.16	23.475		
7,600.00	6,957.03	6,983.67	6,858.72	37.93	32.08	86.53	-488.64	662.73	1,606.09	1,536.95	69.14	23.229		
7,700.00	6,958.06	6,950.00	6,829.39	39.52	31.92	85.47	-488.11	679.26	1,617.02	1,546.76	70.26	23.016		
7,800.00	6,959.09	6,919.61	6,802.20	41.25	31.78	84.50	-487.67	692.83	1,633.10	1,561.68	71.42	22.866		
7,900.00	6,960.12	6,900.00	6,784.33	43.09	31.70	83.86	-487.41	700.89	1,654.43	1,581.75	72.67	22.765		
8,000.00	6,961.15	6,875.08	6,761.28	45.04	31.59	83.04	-487.10	710.34	1,680.91	1,607.08	73.84	22.765		
8,100.00	6,962.18	6,850.00	6,737.71	47.08	31.49	82.21	-486.82	718.92	1,712.50	1,637.56	74.93	22.854		
8,200.00	6,963.21	6,850.00	6,737.71	49.20	31.49	82.21	-486.82	718.92	1,748.90	1,672.68	76.22	22.946		
8,300.00	6,964.24	6,829.55	6,718.26	51.39	31.40	81.52	-486.62	725.23	1,789.88	1,712.68	77.20	23.185		
8,400.00	6,965.27	6,818.06	6,707.25	53.64	31.36	81.13	-486.51	728.50	1,835.24	1,757.06	78.18	23.474		
8,500.00	6,966.30	6,800.00	6,689.82	55.95	31.29	80.52	-486.36	733.24	1,884.71	1,805.71	79.00	23.858		
8,600.00	6,967.33	6,800.00	6,689.82	58.30	31.29	80.52	-486.36	733.24	1,937.88	1,857.97	79.91	24.251		
8,700.00	6,968.37	6,800.00	6,689.82	60.70	31.29	80.52	-486.36	733.24	1,994.64	1,913.92	80.72	24.709		
8,800.00	6,969.40	6,783.45	6,673.74	63.14	31.22	79.96	-486.23	737.15	2,054.50	1,973.21	81.29	25.273		
8,900.00	6,970.43	6,776.85	6,667.30	65.60	31.20	79.73	-486.19	738.59	2,117.38	2,035.51	81.88	25.861		
9,000.00	6,971.46	6,770.84	6,661.43	68.10	31.17	79.53	-486.15	739.84	2,182.98	2,100.58	82.40	26.494		
9,100.00	6,972.49	6,750.00	6,640.95	70.63	31.09	78.82	-486.02	743.76	2,251.24	2,168.53	82.71	27.219		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	6,750.00	6,640.95	73.18	31.09	78.82	-486.02	743.76	2,321.49	2,238.33	83.16	27.915		
9,300.00	6,974.55	6,750.00	6,640.95	75.75	31.09	78.82	-486.02	743.76	2,393.85	2,310.29	83.56	28.648		
9,400.00	6,975.58	6,750.00	6,640.95	78.34	31.09	78.82	-486.02	743.76	2,468.15	2,384.24	83.91	29.415		
9,500.00	6,976.61	6,750.00	6,640.95	80.94	31.09	78.82	-486.02	743.76	2,544.20	2,459.99	84.21	30.211		
9,600.00	6,977.64	6,750.00	6,640.95	83.56	31.09	78.82	-486.02	743.76	2,621.87	2,537.39	84.48	31.035		
9,700.00	6,978.68	6,750.00	6,640.95	86.20	31.09	78.82	-486.02	743.76	2,701.00	2,616.29	84.71	31.884		
9,800.00	6,979.71	6,750.00	6,640.95	88.85	31.09	78.82	-486.02	743.76	2,781.48	2,696.57	84.92	32.756		
9,900.00	6,980.74	6,750.00	6,640.95	91.51	31.09	78.82	-486.02	743.76	2,863.19	2,778.10	85.09	33.648		
10,000.00	6,981.77	6,750.00	6,640.95	94.19	31.09	78.82	-486.02	743.76	2,946.03	2,860.78	85.25	34.558		
10,100.00	6,982.80	6,728.89	6,620.10	96.87	31.01	78.10	-485.91	747.05	3,029.53	2,944.30	85.23	35.544		
10,200.00	6,983.83	6,726.43	6,617.67	99.56	31.00	78.01	-485.90	747.38	3,114.26	3,028.92	85.34	36.494		
10,300.00	6,984.86	6,724.12	6,615.37	102.27	30.99	77.93	-485.89	747.69	3,199.87	3,114.44	85.43	37.457		
10,400.00	6,985.89	6,721.93	6,613.20	104.98	30.99	77.86	-485.88	747.98	3,286.27	3,200.77	85.51	38.433		
10,500.00	6,986.92	6,719.86	6,611.15	107.69	30.98	77.79	-485.88	748.24	3,373.43	3,287.85	85.58	39.420		
10,600.00	6,987.95	6,700.00	6,591.41	110.41	30.90	77.11	-485.81	750.42	3,461.54	3,376.03	85.51	40.480		
10,700.00	6,988.99	6,700.00	6,591.41	113.14	30.90	77.11	-485.81	750.42	3,549.97	3,464.39	85.58	41.481		
10,800.00	6,990.02	6,700.00	6,591.41	115.88	30.90	77.11	-485.81	750.42	3,638.99	3,553.35	85.64	42.492		
10,900.00	6,991.05	6,700.00	6,591.41	118.62	30.90	77.11	-485.81	750.42	3,728.57	3,642.88	85.69	43.511		
11,000.00	6,992.08	6,700.00	6,591.41	121.37	30.90	77.11	-485.81	750.42	3,818.67	3,732.93	85.74	44.538		
11,100.00	6,993.11	6,700.00	6,591.41	124.12	30.90	77.11	-485.81	750.42	3,909.25	3,823.47	85.78	45.572		
11,200.00	6,994.14	6,700.00	6,591.41	126.87	30.90	77.11	-485.81	750.42	4,000.28	3,914.46	85.82	46.612		
11,300.00	6,995.17	6,700.00	6,591.41	129.63	30.90	77.11	-485.81	750.42	4,091.73	4,005.87	85.85	47.659		
11,400.00	6,996.20	6,700.00	6,591.41	132.39	30.90	77.11	-485.81	750.42	4,183.56	4,097.68	85.89	48.711		
11,500.00	6,997.23	6,700.00	6,591.41	135.16	30.90	77.11	-485.81	750.42	4,275.77	4,189.86	85.91	49.768		
11,600.00	6,998.26	6,700.00	6,591.41	137.93	30.90	77.11	-485.81	750.42	4,368.32	4,282.38	85.94	50.830		
11,700.00	6,999.30	6,700.00	6,591.41	140.70	30.90	77.11	-485.81	750.42	4,461.19	4,375.22	85.96	51.896		
11,800.00	7,000.33	6,700.00	6,591.41	143.48	30.90	77.11	-485.81	750.42	4,554.36	4,468.37	85.99	52.966		
11,900.00	7,001.36	6,700.00	6,591.41	146.26	30.90	77.11	-485.81	750.42	4,647.81	4,561.81	86.01	54.039		
12,000.00	7,002.39	6,700.00	6,591.41	149.04	30.90	77.11	-485.81	750.42	4,741.54	4,655.51	86.03	55.116		
12,100.00	7,003.42	6,700.00	6,591.41	151.82	30.90	77.11	-485.81	750.42	4,835.51	4,749.46	86.05	56.196		
12,200.00	7,004.45	6,700.00	6,591.41	154.61	30.90	77.11	-485.81	750.42	4,929.27	4,843.66	86.07	57.278		
12,300.00	7,005.48	6,700.00	6,591.41	157.40	30.90	77.11	-485.81	750.42	5,024.16	4,938.07	86.08	58.363		
12,400.00	7,006.51	6,700.00	6,591.41	160.19	30.90	77.11	-485.81	750.42	5,118.80	5,032.70	86.10	59.450		
12,500.00	7,007.54	6,700.00	6,591.41	162.98	30.90	77.11	-485.81	750.42	5,213.65	5,127.53	86.12	60.540		
12,600.00	7,008.57	6,700.00	6,591.41	165.78	30.90	77.11	-485.81	750.42	5,308.68	5,222.55	86.14	61.630		
12,700.00	7,009.61	6,700.00	6,591.41	168.58	30.90	77.11	-485.81	750.42	5,403.90	5,317.74	86.16	62.723		
12,800.00	7,010.64	6,700.00	6,591.41	171.38	30.90	77.11	-485.81	750.42	5,499.28	5,413.11	86.17	63.817		
12,900.00	7,011.67	6,700.00	6,591.41	174.18	30.90	77.11	-485.81	750.42	5,594.83	5,508.64	86.19	64.912		
13,000.00	7,012.70	6,700.00	6,591.41	176.98	30.90	77.11	-485.81	750.42	5,690.53	5,604.32	86.21	66.008		
13,100.00	7,013.73	6,700.00	6,591.41	179.78	30.90	77.11	-485.81	750.42	5,786.37	5,700.14	86.23	67.105		
13,200.00	7,014.76	6,700.00	6,591.41	182.59	30.90	77.11	-485.81	750.42	5,882.35	5,796.11	86.25	68.202		
13,300.00	7,015.79	6,700.00	6,591.41	185.39	30.90	77.11	-485.81	750.42	5,978.47	5,892.20	86.27	69.301		
13,400.00	7,016.82	6,700.00	6,591.41	188.20	30.90	77.11	-485.81	750.42	6,074.71	5,988.42	86.29	70.400		
13,500.00	7,017.85	6,700.00	6,591.41	191.01	30.90	77.11	-485.81	750.42	6,171.07	6,084.76	86.31	71.499		
13,600.00	7,018.88	6,700.00	6,591.41	193.82	30.90	77.11	-485.81	750.42	6,267.54	6,181.21	86.33	72.598		
13,700.00	7,019.91	6,700.00	6,591.41	196.63	30.90	77.11	-485.81	750.42	6,364.12	6,277.77	86.35	73.698		
13,800.00	7,020.95	6,700.00	6,591.41	199.44	30.90	77.11	-485.81	750.42	6,460.81	6,374.43	86.38	74.798		
13,900.00	7,021.98	6,700.00	6,591.41	202.26	30.90	77.11	-485.81	750.42	6,557.60	6,471.19	86.40	75.897		
14,000.00	7,023.01	6,700.00	6,591.41	205.07	30.90	77.11	-485.81	750.42	6,654.48	6,568.05	86.43	76.997		
14,100.00	7,024.04	6,700.00	6,591.41	207.89	30.90	77.11	-485.81	750.42	6,751.45	6,665.00	86.45	78.096		
14,200.00	7,025.07	6,700.00	6,591.41	210.70	30.90	77.11	-485.81	750.42	6,848.51	6,762.03	86.48	79.195		
14,300.00	7,026.10	6,700.00	6,591.41	213.52	30.90	77.11	-485.81	750.42	6,945.65	6,859.14	86.50	80.293		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	6,700.00	6,591.41	216.34	30.90	77.11	-485.81	750.42	7,042.87	6,956.34	86.53	81.391		
14,500.00	7,028.16	6,700.00	6,591.41	219.16	30.90	77.11	-485.81	750.42	7,140.17	7,053.61	86.56	82.488		
14,600.00	7,029.19	6,700.00	6,591.41	221.98	30.90	77.11	-485.81	750.42	7,237.54	7,150.95	86.59	83.585		
14,700.00	7,030.22	6,700.00	6,591.41	224.80	30.90	77.11	-485.81	750.42	7,334.98	7,248.37	86.62	84.681		
14,800.00	7,031.26	6,700.00	6,591.41	227.62	30.90	77.11	-485.81	750.42	7,432.50	7,345.85	86.65	85.776		
14,900.00	7,032.29	6,700.00	6,591.41	230.44	30.90	77.11	-485.81	750.42	7,530.07	7,443.39	86.68	86.870		
15,000.00	7,033.32	6,700.00	6,591.41	233.26	30.90	77.11	-485.81	750.42	7,627.71	7,541.00	86.71	87.964		
15,100.00	7,034.35	6,700.00	6,591.41	236.09	30.90	77.11	-485.81	750.42	7,725.41	7,638.66	86.75	89.056		
15,200.00	7,035.38	6,700.00	6,591.41	238.91	30.90	77.11	-485.81	750.42	7,823.17	7,736.39	86.78	90.147		
15,300.00	7,036.41	6,700.00	6,591.41	241.74	30.90	77.11	-485.81	750.42	7,920.98	7,834.17	86.82	91.237		
15,400.00	7,037.44	6,700.00	6,591.41	244.56	30.90	77.11	-485.81	750.42	8,018.85	7,932.00	86.85	92.326		
15,500.00	7,038.47	6,700.00	6,591.41	247.39	30.90	77.11	-485.81	750.42	8,116.77	8,029.88	86.89	93.414		
15,600.00	7,039.50	6,677.05	6,568.53	250.21	30.82	76.33	-485.75	752.17	8,214.30	8,127.48	86.82	94.609		
15,700.00	7,040.53	6,676.70	6,568.18	253.04	30.82	76.32	-485.75	752.19	8,312.31	8,225.44	86.86	95.697		
15,800.00	7,041.57	6,676.36	6,567.85	255.87	30.81	76.31	-485.75	752.21	8,410.36	8,323.46	86.90	96.783		
15,900.00	7,042.60	6,676.03	6,567.52	258.70	30.81	76.30	-485.75	752.22	8,508.45	8,421.52	86.94	97.868		
16,000.00	7,043.63	6,675.71	6,567.19	261.53	30.81	76.29	-485.75	752.24	8,606.59	8,519.62	86.98	98.951		
16,100.00	7,044.66	6,675.39	6,566.88	264.35	30.81	76.28	-485.75	752.26	8,704.78	8,617.76	87.02	100.033		
16,200.00	7,045.69	6,675.08	6,566.57	267.18	30.81	76.27	-485.74	752.28	8,803.00	8,715.94	87.06	101.114		
16,300.00	7,046.72	6,674.78	6,566.26	270.01	30.81	76.26	-485.74	752.29	8,901.26	8,814.16	87.10	102.193		
16,400.00	7,047.75	6,674.48	6,565.97	272.84	30.81	76.25	-485.74	752.31	8,999.56	8,912.42	87.15	103.270		
16,500.00	7,048.78	6,674.19	6,565.68	275.67	30.81	76.24	-485.74	752.33	9,097.90	9,010.71	87.19	104.345		
16,600.00	7,049.81	6,673.91	6,565.39	278.51	30.81	76.23	-485.74	752.34	9,196.28	9,109.04	87.24	105.419		
16,700.00	7,050.84	6,673.63	6,565.12	281.34	30.80	76.22	-485.74	752.36	9,294.68	9,207.40	87.28	106.491		
16,800.00	7,051.88	6,673.36	6,564.84	284.17	30.80	76.21	-485.74	752.37	9,393.13	9,305.80	87.33	107.562		
16,900.00	7,052.91	6,650.00	6,541.50	287.00	30.72	75.42	-485.72	753.17	9,492.04	9,404.77	87.27	108.764		
17,000.00	7,053.94	6,650.00	6,541.50	289.83	30.72	75.42	-485.72	753.17	9,590.54	9,503.22	87.32	109.830		
17,100.00	7,054.97	6,650.00	6,541.50	292.67	30.72	75.42	-485.72	753.17	9,689.06	9,601.69	87.37	110.894		
17,200.00	7,056.00	6,650.00	6,541.50	295.50	30.72	75.42	-485.72	753.17	9,787.62	9,700.20	87.42	111.956		
17,300.00	7,057.03	6,650.00	6,541.50	298.33	30.72	75.42	-485.72	753.17	9,886.20	9,798.73	87.48	113.016		
17,400.00	7,058.06	6,650.00	6,541.50	301.17	30.72	75.42	-485.72	753.17	9,984.82	9,897.29	87.53	114.075		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.32	-134.43	-13.36	135.09					
100.00	100.00	100.00	100.00	3.28	3.28	-174.32	-134.43	-13.36	135.09	128.52	6.57	20.563		
200.00	200.00	200.00	200.00	3.34	3.34	-174.32	-134.43	-13.36	135.09	128.42	6.67	20.241	CC, ES	
300.00	299.98	299.65	299.63	3.45	3.44	-172.25	-134.70	-11.65	136.93	130.04	6.89	19.882		
400.00	399.84	398.87	398.71	3.61	3.60	-174.59	-135.51	-6.55	142.61	135.41	7.20	19.799	SF	
500.00	499.45	497.23	496.70	3.82	3.80	-178.08	-136.84	1.85	152.56	144.95	7.61	20.039		
600.00	598.70	605.55	593.21	4.07	4.07	177.79	-138.67	13.40	167.26	159.12	8.13	20.564		
680.00	677.76	672.46	670.51	4.29	4.25	174.67	-140.30	23.71	182.34	173.79	8.55	21.335		
700.00	697.48	708.09	689.79	4.35	4.35	173.98	-140.71	26.28	186.45	177.74	8.71	21.400		
800.00	796.08	789.16	786.17	4.66	4.61	170.95	-142.74	39.13	207.37	198.11	9.26	22.391		
900.00	894.68	886.41	882.55	4.98	4.93	168.48	-144.78	51.99	228.75	218.85	9.90	23.101		
1,000.00	993.28	983.67	978.92	5.34	5.28	166.43	-146.81	64.84	250.46	239.88	10.58	23.676		
1,100.00	1,091.88	1,080.92	1,075.30	5.71	5.64	164.71	-148.85	77.69	272.44	261.15	11.29	24.140		
1,200.00	1,190.48	1,178.17	1,171.68	6.10	6.01	163.25	-150.88	90.55	294.61	282.59	12.02	24.516		
1,300.00	1,289.07	1,275.43	1,268.06	6.49	6.40	161.98	-152.92	103.40	316.94	304.17	12.77	24.822		
1,400.00	1,387.67	1,372.68	1,364.44	6.90	6.79	160.89	-154.96	116.26	339.40	325.87	13.54	25.070		
1,500.00	1,486.27	1,469.93	1,460.81	7.31	7.19	159.93	-156.99	129.11	361.97	347.64	14.32	25.274		
1,600.00	1,584.87	1,567.18	1,557.19	7.73	7.60	159.08	-159.03	141.96	384.62	369.50	15.12	25.442		
1,700.00	1,683.47	1,664.44	1,653.57	8.16	8.01	158.33	-161.06	154.82	407.34	391.41	15.92	25.580		
1,800.00	1,782.07	1,761.69	1,749.95	8.59	8.42	157.66	-163.10	167.67	430.11	413.38	16.74	25.695		
1,900.00	1,880.67	1,858.94	1,846.33	9.02	8.84	157.05	-165.14	180.52	452.95	435.38	17.56	25.790		
2,000.00	1,979.27	1,956.19	1,942.70	9.46	9.27	156.50	-167.17	193.38	475.82	457.43	18.39	25.870		
2,100.00	2,077.87	2,053.45	2,039.08	9.90	9.69	156.01	-169.21	206.23	498.73	479.50	19.23	25.937		
2,200.00	2,176.47	2,150.70	2,135.46	10.35	10.12	155.55	-171.24	219.08	521.67	501.61	20.07	25.994		
2,300.00	2,275.07	2,247.95	2,231.84	10.79	10.55	155.14	-173.28	231.94	544.65	523.73	20.91	26.041		
2,400.00	2,373.67	2,345.21	2,328.22	11.24	10.99	154.75	-175.31	244.79	567.64	545.88	21.76	26.082		
2,500.00	2,472.27	2,442.46	2,424.60	11.69	11.42	154.40	-177.35	257.64	590.66	568.05	22.62	26.116		
2,600.00	2,570.87	2,539.71	2,520.97	12.14	11.86	154.08	-179.39	270.50	613.70	590.23	23.47	26.144		
2,700.00	2,669.47	2,636.96	2,617.35	12.59	12.29	153.77	-181.42	283.35	636.76	612.43	24.33	26.169		
2,800.00	2,768.07	2,734.22	2,713.73	13.04	12.73	153.49	-183.46	296.20	659.83	634.64	25.19	26.190		
2,900.00	2,866.67	2,831.47	2,810.11	13.50	13.17	153.23	-185.49	309.06	682.92	656.86	26.06	26.207		
3,000.00	2,965.27	2,928.72	2,906.49	13.95	13.61	152.99	-187.53	321.91	706.02	679.09	26.92	26.222		
3,100.00	3,063.87	3,025.97	3,002.86	14.41	14.05	152.76	-189.56	334.76	729.13	701.33	27.79	26.235		
3,200.00	3,162.47	3,123.23	3,099.24	14.87	14.50	152.54	-191.60	347.62	752.25	723.59	28.66	26.246		
3,300.00	3,261.07	3,220.48	3,195.62	15.32	14.94	152.34	-193.64	360.47	775.38	745.84	29.53	26.254		
3,400.00	3,359.67	3,317.73	3,292.00	15.78	15.38	152.15	-195.67	373.32	798.52	768.11	30.41	26.262		
3,500.00	3,458.27	3,414.98	3,388.38	16.24	15.83	151.97	-197.71	386.18	821.66	790.38	31.28	26.268		
3,600.00	3,556.87	3,512.24	3,484.75	16.70	16.27	151.80	-199.74	399.03	844.82	812.66	32.16	26.273		
3,700.00	3,655.47	3,609.49	3,581.13	17.16	16.72	151.64	-201.78	411.89	867.98	834.95	33.03	26.277		
3,800.00	3,754.06	3,706.74	3,677.51	17.62	17.17	151.48	-203.82	424.74	891.14	857.24	33.91	26.281		
3,900.00	3,852.66	3,804.00	3,773.89	18.08	17.61	151.34	-205.85	437.59	914.32	879.53	34.79	26.283		
4,000.00	3,951.26	3,901.25	3,870.27	18.54	18.06	151.20	-207.89	450.45	937.50	901.83	35.67	26.285		
4,100.00	4,049.86	3,998.50	3,966.64	19.01	18.51	151.07	-209.92	463.30	960.68	924.13	36.55	26.286		
4,200.00	4,148.46	4,104.25	4,063.02	19.47	18.99	150.94	-211.96	476.15	983.87	946.40	37.47	26.260		
4,300.00	4,247.06	4,206.99	4,159.40	19.93	19.47	150.82	-213.99	489.01	1,007.06	968.68	38.37	26.244		
4,400.00	4,345.66	4,309.74	4,255.78	20.39	19.94	150.71	-216.03	501.86	1,030.25	990.97	39.28	26.229		
4,500.00	4,444.26	4,387.51	4,352.16	20.86	20.30	150.60	-218.07	514.71	1,053.45	1,013.38	40.07	26.287		
4,600.00	4,542.86	4,484.76	4,448.53	21.32	20.75	150.50	-220.10	527.57	1,076.65	1,035.70	40.96	26.287		
4,700.00	4,641.46	4,582.02	4,544.91	21.78	21.20	150.40	-222.14	540.42	1,099.86	1,058.02	41.84	26.286		
4,800.00	4,740.06	4,679.27	4,641.29	22.25	21.65	150.30	-224.17	553.27	1,123.07	1,080.34	42.73	26.285		
4,900.00	4,838.66	4,776.52	4,737.67	22.71	22.10	150.21	-226.21	566.13	1,146.28	1,102.67	43.61	26.284		
5,000.00	4,937.26	4,873.78	4,834.05	23.18	22.55	150.12	-228.24	578.98	1,169.49	1,125.00	44.50	26.282		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	4,971.03	4,930.42	23.64	23.00	150.04	-230.28	591.83	1,192.71	1,147.33	45.38	26.281		
5,200.00	5,134.46	5,068.28	5,026.80	24.11	23.45	149.95	-232.32	604.69	1,215.93	1,169.66	46.27	26.279		
5,300.00	5,233.06	5,165.53	5,123.18	24.57	23.90	149.88	-234.35	617.54	1,239.15	1,192.00	47.16	26.277		
5,400.00	5,331.66	5,262.79	5,219.56	25.04	24.35	149.80	-236.39	630.39	1,262.38	1,214.33	48.04	26.275		
5,500.00	5,430.26	5,360.04	5,315.94	25.50	24.80	149.73	-238.42	643.25	1,285.60	1,236.67	48.93	26.273		
5,600.00	5,528.86	5,457.29	5,412.32	25.97	25.25	149.66	-240.46	656.10	1,308.83	1,259.01	49.82	26.271		
5,700.00	5,627.46	5,554.54	5,508.69	26.43	25.70	149.59	-242.50	668.95	1,332.06	1,281.35	50.71	26.269		
5,800.00	5,726.06	5,651.80	5,605.07	26.90	26.16	149.52	-244.53	681.81	1,355.29	1,303.69	51.60	26.267		
5,900.00	5,824.66	5,749.05	5,701.45	27.36	26.61	149.46	-246.57	694.66	1,378.52	1,326.04	52.49	26.265		
6,000.00	5,923.26	5,846.30	5,797.83	27.83	27.06	149.40	-248.60	707.52	1,401.76	1,348.38	53.37	26.263		
6,100.00	6,021.86	5,943.55	5,894.21	28.30	27.51	149.34	-250.64	720.37	1,424.99	1,370.73	54.26	26.260		
6,200.00	6,120.46	6,040.81	5,990.58	28.76	27.96	149.28	-252.67	733.22	1,448.23	1,393.08	55.15	26.258		
6,300.00	6,219.06	6,138.06	6,086.96	29.23	28.41	149.23	-254.71	746.08	1,471.47	1,415.42	56.04	26.256		
6,405.66	6,323.24	7,538.20	6,970.15	29.72	37.85	-178.89	-305.59	-11.46	1,451.96	1,390.22	61.74	23.519		
6,450.00	6,366.93	7,536.18	6,970.17	29.93	37.82	159.50	-305.52	-9.44	1,439.70	1,377.09	62.62	22.991		
6,500.00	6,415.96	7,530.22	6,970.25	30.15	37.73	140.99	-305.30	-3.49	1,427.40	1,363.89	63.51	22.474		
6,550.00	6,464.44	7,520.39	6,970.38	30.37	37.58	129.18	-304.95	6.34	1,416.77	1,352.48	64.29	22.038		
6,600.00	6,512.08	7,506.74	6,970.56	30.58	37.38	121.60	-304.45	19.97	1,407.82	1,342.89	64.93	21.681		
6,650.00	6,558.58	7,489.37	6,970.79	30.78	37.14	116.37	-303.81	37.34	1,400.55	1,335.09	65.46	21.395		
6,700.00	6,603.65	7,468.37	6,971.06	30.97	36.87	112.46	-303.05	58.32	1,394.89	1,329.01	65.88	21.175		
6,750.00	6,647.02	7,443.87	6,971.39	31.15	36.54	109.31	-302.16	82.80	1,390.73	1,324.56	66.16	21.019		
6,800.00	6,688.42	7,416.04	6,971.75	31.31	36.18	106.62	-301.14	110.61	1,387.92	1,321.58	66.34	20.923		
6,850.00	6,727.59	7,375.73	6,971.93	31.46	35.68	103.93	-299.66	150.89	1,386.26	1,319.96	66.30	20.909		
6,900.00	6,764.29	7,322.91	6,968.68	31.60	35.06	101.12	-297.64	203.55	1,385.21	1,319.12	66.10	20.957		
6,950.00	6,798.30	7,275.00	6,961.97	31.73	34.54	98.67	-295.72	250.94	1,384.67	1,318.72	65.95	20.996		
6,980.72	6,817.77	7,247.46	6,956.50	31.80	34.24	97.30	-294.59	277.91	1,384.57	1,318.70	65.87	21.019		
7,000.00	6,829.41	7,230.80	6,952.63	31.84	34.08	96.49	-293.89	294.09	1,384.61	1,318.77	65.84	21.031		
7,050.00	6,857.42	7,189.48	6,941.21	32.03	33.68	94.52	-292.13	333.76	1,385.01	1,319.26	65.75	21.064		
7,100.00	6,882.16	7,150.42	6,928.06	32.36	33.32	92.73	-290.44	370.50	1,385.82	1,320.12	65.69	21.095		
7,150.00	6,903.48	7,113.17	6,913.45	32.73	33.01	91.09	-288.80	404.71	1,386.98	1,321.30	65.68	21.118		
7,200.00	6,921.25	7,077.40	6,897.56	33.15	32.73	89.57	-287.20	436.71	1,388.41	1,322.72	65.69	21.136		
7,250.00	6,935.36	7,042.85	6,880.52	33.61	32.48	88.17	-285.65	466.73	1,390.06	1,324.32	65.74	21.145		
7,300.00	6,945.72	7,009.31	6,862.45	34.11	32.25	86.88	-284.15	494.94	1,391.85	1,326.01	65.83	21.142		
7,350.00	6,952.26	6,976.62	6,843.43	34.65	32.04	85.70	-282.67	521.48	1,393.70	1,327.73	65.97	21.126		
7,403.14	6,955.00	6,942.67	6,822.26	35.26	31.84	84.56	-281.15	547.97	1,395.65	1,329.49	66.16	21.095		
7,500.00	6,955.99	6,886.30	6,784.08	36.49	31.54	82.98	-278.63	589.35	1,401.02	1,334.37	66.65	21.022		
7,600.00	6,957.03	6,837.18	6,747.94	37.93	31.30	81.49	-276.47	622.53	1,410.91	1,343.61	67.30	20.964		
7,700.00	6,958.06	6,800.00	6,718.94	39.52	31.13	80.30	-274.86	645.73	1,425.74	1,357.61	68.13	20.927		
7,800.00	6,959.09	6,760.58	6,686.77	41.25	30.96	78.99	-273.18	668.43	1,445.76	1,376.83	68.93	20.975		
7,900.00	6,960.12	6,730.55	6,661.36	43.09	30.83	77.96	-271.94	684.37	1,471.13	1,401.31	69.82	21.070		
8,000.00	6,961.15	6,700.00	6,634.75	45.04	30.71	76.89	-270.69	699.33	1,501.81	1,431.16	70.65	21.256		
8,100.00	6,962.18	6,682.32	6,619.04	47.08	30.64	76.27	-269.99	707.40	1,537.64	1,466.03	71.61	21.474		
8,200.00	6,963.21	6,662.77	6,601.41	49.20	30.57	75.57	-269.22	715.82	1,578.43	1,505.98	72.45	21.786		
8,300.00	6,964.24	6,650.00	6,589.76	51.39	30.52	75.11	-268.72	721.02	1,623.91	1,550.60	73.31	22.151		
8,400.00	6,965.27	6,630.38	6,571.66	53.64	30.44	74.40	-267.97	728.55	1,673.75	1,599.76	73.99	22.623		
8,500.00	6,966.30	6,616.84	6,559.04	55.95	30.39	73.91	-267.47	733.42	1,727.64	1,652.99	74.66	23.141		
8,600.00	6,967.33	6,600.00	6,543.19	58.30	30.33	73.29	-266.84	739.10	1,785.29	1,710.09	75.20	23.739		
8,700.00	6,968.37	6,600.00	6,543.19	60.70	30.33	73.29	-266.84	739.10	1,846.36	1,770.47	75.89	24.329		
8,800.00	6,969.40	6,583.98	6,527.99	63.14	30.27	72.71	-266.26	744.12	1,910.50	1,834.20	76.30	25.040		
8,900.00	6,970.43	6,575.04	6,519.45	65.60	30.23	72.38	-265.94	746.75	1,977.51	1,900.78	76.73	25.772		
9,000.00	6,971.46	6,566.88	6,511.63	68.10	30.20	72.08	-265.66	749.05	2,047.10	1,969.99	77.11	26.548		
9,100.00	6,972.49	6,550.00	6,495.35	70.63	30.14	71.46	-265.07	753.48	2,119.09	2,041.76	77.34	27.401		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	6,550.00	6,495.35	73.18	30.14	71.46	-265.07	753.48	2,193.07	2,115.36	77.71	28.221		
9,300.00	6,974.55	6,550.00	6,495.35	75.75	30.14	71.46	-265.07	753.48	2,269.04	2,191.00	78.04	29.076		
9,400.00	6,975.58	6,550.00	6,495.35	78.34	30.14	71.46	-265.07	753.48	2,346.81	2,268.49	78.32	29.964		
9,500.00	6,976.61	6,550.00	6,495.35	80.94	30.14	71.46	-265.07	753.48	2,426.21	2,347.64	78.57	30.880		
9,600.00	6,977.64	6,530.00	6,475.92	83.56	30.07	70.72	-264.39	758.17	2,506.74	2,428.15	78.59	31.895		
9,700.00	6,978.68	6,525.32	6,471.36	86.20	30.05	70.55	-264.23	759.18	2,588.77	2,510.03	78.74	32.876		
9,800.00	6,979.71	6,520.95	6,467.09	88.85	30.04	70.39	-264.09	760.10	2,671.99	2,593.12	78.88	33.875		
9,900.00	6,980.74	6,500.00	6,446.53	91.51	29.96	69.62	-263.41	764.06	2,756.55	2,677.71	78.84	34.965		
10,000.00	6,981.77	6,500.00	6,446.53	94.19	29.96	69.62	-263.41	764.06	2,841.74	2,762.76	78.98	35.981		
10,100.00	6,982.80	6,500.00	6,446.53	96.87	29.96	69.62	-263.41	764.06	2,927.88	2,848.77	79.10	37.013		
10,200.00	6,983.83	6,500.00	6,446.53	99.56	29.96	69.62	-263.41	764.06	3,014.87	2,935.65	79.22	38.059		
10,300.00	6,984.86	6,500.00	6,446.53	102.27	29.96	69.62	-263.41	764.06	3,102.64	3,023.33	79.31	39.119		
10,400.00	6,985.89	6,500.00	6,446.53	104.98	29.96	69.62	-263.41	764.06	3,191.14	3,111.74	79.40	40.190		
10,500.00	6,986.92	6,500.00	6,446.53	107.69	29.96	69.62	-263.41	764.06	3,280.30	3,200.82	79.48	41.273		
10,600.00	6,987.95	6,500.00	6,446.53	110.41	29.96	69.62	-263.41	764.06	3,370.06	3,290.51	79.55	42.365		
10,700.00	6,988.99	6,500.00	6,446.53	113.14	29.96	69.62	-263.41	764.06	3,460.39	3,380.77	79.61	43.466		
10,800.00	6,990.02	6,500.00	6,446.53	115.88	29.96	69.62	-263.41	764.06	3,551.23	3,471.56	79.67	44.575		
10,900.00	6,991.05	6,500.00	6,446.53	118.62	29.96	69.62	-263.41	764.06	3,642.55	3,562.83	79.72	45.691		
11,000.00	6,992.08	6,500.00	6,446.53	121.37	29.96	69.62	-263.41	764.06	3,734.32	3,654.55	79.77	46.815		
11,100.00	6,993.11	6,500.00	6,446.53	124.12	29.96	69.62	-263.41	764.06	3,826.50	3,746.69	79.81	47.944		
11,200.00	6,994.14	6,500.00	6,446.53	126.87	29.96	69.62	-263.41	764.06	3,919.07	3,839.22	79.85	49.079		
11,300.00	6,995.17	6,478.74	6,425.54	129.63	29.88	68.85	-262.74	767.40	4,011.60	3,931.85	79.75	50.303		
11,400.00	6,996.20	6,476.90	6,423.72	132.39	29.87	68.78	-262.68	767.65	4,104.78	4,025.01	79.77	51.455		
11,500.00	6,997.23	6,475.15	6,421.99	135.16	29.87	68.72	-262.63	767.89	4,198.27	4,118.47	79.80	52.610		
11,600.00	6,998.26	6,473.47	6,420.32	137.93	29.86	68.66	-262.58	768.11	4,292.05	4,212.23	79.82	53.770		
11,700.00	6,999.30	6,471.86	6,418.73	140.70	29.86	68.60	-262.53	768.32	4,386.10	4,306.26	79.85	54.932		
11,800.00	7,000.33	6,450.00	6,397.02	143.48	29.78	67.81	-261.87	770.78	4,480.77	4,401.03	79.74	56.193		
11,900.00	7,001.36	6,450.00	6,397.02	146.26	29.78	67.81	-261.87	770.78	4,575.26	4,495.48	79.77	57.354		
12,000.00	7,002.39	6,450.00	6,397.02	149.04	29.78	67.81	-261.87	770.78	4,669.98	4,590.17	79.81	58.517		
12,100.00	7,003.42	6,450.00	6,397.02	151.82	29.78	67.81	-261.87	770.78	4,764.92	4,685.08	79.84	59.683		
12,200.00	7,004.45	6,450.00	6,397.02	154.61	29.78	67.81	-261.87	770.78	4,860.06	4,780.19	79.87	60.850		
12,300.00	7,005.48	6,450.00	6,397.02	157.40	29.78	67.81	-261.87	770.78	4,955.39	4,875.49	79.90	62.019		
12,400.00	7,006.51	6,450.00	6,397.02	160.19	29.78	67.81	-261.87	770.78	5,050.90	4,970.97	79.93	63.190		
12,500.00	7,007.54	6,450.00	6,397.02	162.98	29.78	67.81	-261.87	770.78	5,146.58	5,066.62	79.96	64.362		
12,600.00	7,008.57	6,450.00	6,397.02	165.78	29.78	67.81	-261.87	770.78	5,242.43	5,162.43	79.99	65.536		
12,700.00	7,009.61	6,450.00	6,397.02	168.58	29.78	67.81	-261.87	770.78	5,338.42	5,258.40	80.02	66.710		
12,800.00	7,010.64	6,450.00	6,397.02	171.38	29.78	67.81	-261.87	770.78	5,434.56	5,354.51	80.06	67.885		
12,900.00	7,011.67	6,450.00	6,397.02	174.18	29.78	67.81	-261.87	770.78	5,530.84	5,450.75	80.09	69.060		
13,000.00	7,012.70	6,450.00	6,397.02	176.98	29.78	67.81	-261.87	770.78	5,627.25	5,547.13	80.12	70.236		
13,100.00	7,013.73	6,450.00	6,397.02	179.78	29.78	67.81	-261.87	770.78	5,723.78	5,643.63	80.15	71.412		
13,200.00	7,014.76	6,450.00	6,397.02	182.59	29.78	67.81	-261.87	770.78	5,820.42	5,740.24	80.18	72.589		
13,300.00	7,015.79	6,450.00	6,397.02	185.39	29.78	67.81	-261.87	770.78	5,917.18	5,836.97	80.22	73.765		
13,400.00	7,016.82	6,450.00	6,397.02	188.20	29.78	67.81	-261.87	770.78	6,014.05	5,933.80	80.25	74.941		
13,500.00	7,017.85	6,450.00	6,397.02	191.01	29.78	67.81	-261.87	770.78	6,111.01	6,030.73	80.28	76.118		
13,600.00	7,018.88	6,450.00	6,397.02	193.82	29.78	67.81	-261.87	770.78	6,208.08	6,127.76	80.32	77.293		
13,700.00	7,019.91	6,450.00	6,397.02	196.63	29.78	67.81	-261.87	770.78	6,305.23	6,224.88	80.35	78.468		
13,800.00	7,020.95	6,450.00	6,397.02	199.44	29.78	67.81	-261.87	770.78	6,402.47	6,322.08	80.39	79.643		
13,900.00	7,021.98	6,450.00	6,397.02	202.26	29.78	67.81	-261.87	770.78	6,499.80	6,419.37	80.43	80.817		
14,000.00	7,023.01	6,450.00	6,397.02	205.07	29.78	67.81	-261.87	770.78	6,597.20	6,516.74	80.46	81.990		
14,100.00	7,024.04	6,450.00	6,397.02	207.89	29.78	67.81	-261.87	770.78	6,694.69	6,614.18	80.50	83.163		
14,200.00	7,025.07	6,450.00	6,397.02	210.70	29.78	67.81	-261.87	770.78	6,792.24	6,711.70	80.54	84.334		
14,300.00	7,026.10	6,450.00	6,397.02	213.52	29.78	67.81	-261.87	770.78	6,889.87	6,809.29	80.58	85.504		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	6,450.00	6,397.02	216.34	29.78	67.81	-261.87	770.78	6,987.56	6,906.94	80.62	86.674		
14,500.00	7,028.16	6,450.00	6,397.02	219.16	29.78	67.81	-261.87	770.78	7,085.32	7,004.66	80.66	87.842		
14,600.00	7,029.19	6,450.00	6,397.02	221.98	29.78	67.81	-261.87	770.78	7,183.13	7,102.43	80.70	89.009		
14,700.00	7,030.22	6,450.00	6,397.02	224.80	29.78	67.81	-261.87	770.78	7,281.01	7,200.27	80.74	90.174		
14,800.00	7,031.26	6,450.00	6,397.02	227.62	29.78	67.81	-261.87	770.78	7,378.95	7,298.16	80.79	91.339		
14,900.00	7,032.29	6,450.00	6,397.02	230.44	29.78	67.81	-261.87	770.78	7,476.94	7,396.11	80.83	92.501		
15,000.00	7,033.32	6,450.00	6,397.02	233.26	29.78	67.81	-261.87	770.78	7,574.98	7,494.10	80.88	93.663		
15,100.00	7,034.35	6,450.00	6,397.02	236.09	29.78	67.81	-261.87	770.78	7,673.07	7,592.15	80.92	94.822		
15,200.00	7,035.38	6,450.00	6,397.02	238.91	29.78	67.81	-261.87	770.78	7,771.21	7,690.25	80.97	95.981		
15,300.00	7,036.41	6,450.00	6,397.02	241.74	29.78	67.81	-261.87	770.78	7,869.40	7,788.39	81.01	97.137		
15,400.00	7,037.44	6,450.00	6,397.02	244.56	29.78	67.81	-261.87	770.78	7,967.63	7,886.57	81.06	98.292		
15,500.00	7,038.47	6,450.00	6,397.02	247.39	29.78	67.81	-261.87	770.78	8,065.91	7,984.80	81.11	99.445		
15,600.00	7,039.50	6,450.00	6,397.02	250.21	29.78	67.81	-261.87	770.78	8,164.23	8,083.07	81.16	100.596		
15,700.00	7,040.53	6,450.00	6,397.02	253.04	29.78	67.81	-261.87	770.78	8,262.59	8,181.38	81.21	101.745		
15,800.00	7,041.57	6,450.00	6,397.02	255.87	29.78	67.81	-261.87	770.78	8,360.98	8,279.72	81.26	102.892		
15,900.00	7,042.60	6,450.00	6,397.02	258.70	29.78	67.81	-261.87	770.78	8,459.42	8,378.11	81.31	104.037		
16,000.00	7,043.63	6,450.00	6,397.02	261.53	29.78	67.81	-261.87	770.78	8,557.89	8,476.53	81.36	105.181		
16,100.00	7,044.66	6,450.00	6,397.02	264.35	29.78	67.81	-261.87	770.78	8,656.40	8,574.98	81.42	106.322		
16,200.00	7,045.69	6,450.00	6,397.02	267.18	29.78	67.81	-261.87	770.78	8,754.94	8,673.47	81.47	107.461		
16,300.00	7,046.72	6,450.00	6,397.02	270.01	29.78	67.81	-261.87	770.78	8,853.51	8,771.99	81.53	108.598		
16,400.00	7,047.75	6,450.00	6,397.02	272.84	29.78	67.81	-261.87	770.78	8,952.12	8,870.54	81.58	109.733		
16,500.00	7,048.78	6,450.00	6,397.02	275.67	29.78	67.81	-261.87	770.78	9,050.75	8,969.11	81.64	110.865		
16,600.00	7,049.81	6,450.00	6,397.02	278.51	29.78	67.81	-261.87	770.78	9,149.42	9,067.72	81.69	111.996		
16,700.00	7,050.84	6,450.00	6,397.02	281.34	29.78	67.81	-261.87	770.78	9,248.11	9,166.36	81.75	113.124		
16,800.00	7,051.88	6,450.00	6,397.02	284.17	29.78	67.81	-261.87	770.78	9,346.83	9,265.02	81.81	114.250		
16,900.00	7,052.91	6,450.00	6,397.02	287.00	29.78	67.81	-261.87	770.78	9,445.58	9,363.71	81.87	115.373		
17,000.00	7,053.94	6,450.00	6,397.02	289.83	29.78	67.81	-261.87	770.78	9,544.35	9,462.42	81.93	116.494		
17,100.00	7,054.97	6,450.00	6,397.02	292.67	29.78	67.81	-261.87	770.78	9,643.15	9,561.16	81.99	117.613		
17,200.00	7,056.00	6,450.00	6,397.02	295.50	29.78	67.81	-261.87	770.78	9,741.98	9,659.93	82.05	118.729		
17,300.00	7,057.03	6,450.00	6,397.02	298.33	29.78	67.81	-261.87	770.78	9,840.83	9,758.71	82.11	119.843		
17,400.00	7,058.06	6,450.00	6,397.02	301.17	29.78	67.81	-261.87	770.78	9,939.70	9,857.52	82.18	120.954		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	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	-178.93	-14.94	-0.28	14.94					
100.00	100.00	100.00	100.00	3.28	3.28	-178.93	-14.94	-0.28	14.94	8.37	6.57	2.275		
200.00	200.00	200.00	200.00	3.34	3.34	-178.93	-14.94	-0.28	14.94	8.27	6.67	2.239 CC		
300.00	299.98	299.98	299.98	3.45	3.44	-176.45	-14.94	-0.28	16.68	9.79	6.89	2.421		
400.00	399.84	400.56	400.54	3.61	3.60	-176.97	-13.18	-0.40	20.16	12.94	7.22	2.793		
500.00	499.45	501.27	501.11	3.82	3.81	-177.17	-7.89	-0.77	23.62	15.97	7.65	3.087		
600.00	598.70	602.10	601.54	4.07	4.06	-177.18	0.94	-1.38	27.06	18.88	8.17	3.311		
680.00	677.76	682.86	681.72	4.29	4.29	-177.10	10.54	-2.04	29.79	21.15	8.64	3.447		
700.00	697.48	703.06	701.73	4.35	4.35	-177.06	13.30	-2.23	30.40	21.63	8.77	3.468		
800.00	796.08	803.83	801.26	4.66	4.66	-176.63	29.00	-3.32	31.48	22.08	9.40	3.349		
900.00	894.68	903.83	899.89	4.98	4.98	-176.10	45.47	-4.46	31.68	21.63	10.05	3.152		
1,000.00	993.28	1,003.83	998.51	5.34	5.33	-175.58	61.93	-5.60	31.88	21.14	10.74	2.968		
1,100.00	1,091.88	1,103.82	1,097.14	5.71	5.69	-175.06	78.40	-6.74	32.08	20.61	11.47	2.798		
1,200.00	1,190.48	1,203.82	1,195.77	6.10	6.07	-174.54	94.86	-7.88	32.28	20.07	12.22	2.643		
1,300.00	1,289.07	1,303.82	1,294.40	6.49	6.47	-174.04	111.33	-9.02	32.49	19.50	12.99	2.501		
1,400.00	1,387.67	1,403.82	1,393.03	6.90	6.87	-173.54	127.79	-10.16	32.70	18.92	13.78	2.373		
1,500.00	1,486.27	1,503.82	1,491.65	7.31	7.28	-173.04	144.26	-11.30	32.91	18.32	14.59	2.256		
1,600.00	1,584.87	1,603.82	1,590.28	7.73	7.70	-172.56	160.72	-12.44	33.13	17.71	15.41	2.149		
1,700.00	1,683.47	1,703.82	1,688.91	8.16	8.13	-172.08	177.19	-13.58	33.34	17.10	16.24	2.053		
1,800.00	1,782.07	1,803.82	1,787.54	8.59	8.55	-171.60	193.65	-14.72	33.56	16.47	17.09	1.964		
1,900.00	1,880.67	1,903.82	1,886.17	9.02	8.99	-171.13	210.12	-15.86	33.78	15.85	17.94	1.883		
2,000.00	1,979.27	2,003.82	1,984.79	9.46	9.42	-170.67	226.58	-17.00	34.01	15.21	18.80	1.809		
2,100.00	2,077.87	2,103.82	2,083.42	9.90	9.86	-170.21	243.05	-18.14	34.23	14.57	19.66	1.741		
2,200.00	2,176.47	2,203.82	2,182.05	10.35	10.30	-169.76	259.51	-19.28	34.46	13.93	20.53	1.679		
2,300.00	2,275.07	2,303.82	2,280.68	10.79	10.75	-169.32	275.98	-20.42	34.69	13.29	21.40	1.621		
2,400.00	2,373.67	2,403.82	2,379.30	11.24	11.19	-168.88	292.45	-21.56	34.92	12.64	22.28	1.567		
2,500.00	2,472.27	2,503.82	2,477.93	11.69	11.64	-168.45	308.91	-22.70	35.16	11.99	23.16	1.518		
2,600.00	2,570.87	2,603.82	2,576.56	12.14	12.09	-168.02	325.38	-23.84	35.39	11.34	24.05	1.472 Level 3		
2,700.00	2,669.47	2,703.81	2,675.19	12.59	12.54	-167.60	341.84	-24.98	35.63	10.69	24.94	1.429 Level 3		
2,800.00	2,768.07	2,803.81	2,773.82	13.04	12.99	-167.19	358.31	-26.12	35.87	10.04	25.83	1.389 Level 3		
2,900.00	2,866.67	2,903.81	2,872.44	13.50	13.44	-166.78	374.77	-27.26	36.11	9.38	26.73	1.351 Level 3		
3,000.00	2,965.27	3,003.81	2,971.07	13.95	13.90	-166.37	391.24	-28.40	36.35	8.73	27.62	1.316 Level 3		
3,100.00	3,063.87	3,103.81	3,069.70	14.41	14.35	-165.97	407.70	-29.54	36.60	8.08	28.52	1.283 Level 3		
3,200.00	3,162.47	3,203.81	3,168.33	14.87	14.81	-165.58	424.17	-30.68	36.85	7.42	29.42	1.252 Level 3		
3,300.00	3,261.07	3,303.81	3,266.96	15.32	15.27	-165.19	440.63	-31.82	37.09	6.77	30.32	1.223 Level 2		
3,400.00	3,359.67	3,403.81	3,365.58	15.78	15.72	-164.81	457.10	-32.96	37.34	6.12	31.23	1.196 Level 2		
3,500.00	3,458.27	3,503.81	3,464.21	16.24	16.18	-164.43	473.56	-34.10	37.60	5.46	32.13	1.170 Level 2		
3,600.00	3,556.87	3,603.81	3,562.84	16.70	16.64	-164.06	490.03	-35.23	37.85	4.81	33.04	1.146 Level 2		
3,700.00	3,655.47	3,703.81	3,661.47	17.16	17.10	-163.69	506.49	-36.37	38.11	4.16	33.95	1.122 Level 2		
3,800.00	3,754.06	3,803.81	3,760.10	17.62	17.56	-163.32	522.96	-37.51	38.36	3.50	34.86	1.101 Level 2		
3,900.00	3,852.66	3,903.81	3,858.72	18.08	18.02	-162.97	539.42	-38.65	38.62	2.85	35.77	1.080 Level 2		
4,000.00	3,951.26	4,003.81	3,957.35	18.54	18.48	-162.61	555.89	-39.79	38.88	2.20	36.68	1.060 Level 2		
4,100.00	4,049.86	4,103.81	4,055.98	19.01	18.94	-162.26	572.35	-40.93	39.14	1.55	37.59	1.041 Level 2		
4,200.00	4,148.46	4,203.81	4,154.61	19.47	19.40	-161.92	588.82	-42.07	39.40	0.90	38.50	1.023 Level 2		
4,300.00	4,247.06	4,303.80	4,253.24	19.93	19.87	-161.58	605.28	-43.21	39.67	0.25	39.42	1.006 Level 2		
4,400.00	4,345.66	4,403.80	4,351.86	20.39	20.33	-161.24	621.75	-44.35	39.93	-0.40	40.33	0.990 Level 1		
4,500.00	4,444.26	4,503.80	4,450.49	20.86	20.79	-160.91	638.22	-45.49	40.20	-1.05	41.25	0.975 Level 1		
4,600.00	4,542.86	4,603.80	4,549.12	21.32	21.25	-160.59	654.68	-46.63	40.47	-1.70	42.17	0.960 Level 1		
4,700.00	4,641.46	4,703.80	4,647.75	21.78	21.72	-160.26	671.15	-47.77	40.74	-2.35	43.08	0.946 Level 1		
4,800.00	4,740.06	4,803.80	4,746.38	22.25	22.18	-159.95	687.61	-48.91	41.01	-2.99	44.00	0.932 Level 1		
4,900.00	4,838.66	4,903.80	4,845.00	22.71	22.64	-159.63	704.08	-50.05	41.28	-3.64	44.92	0.919 Level 1		
5,000.00	4,937.26	5,003.80	4,943.63	23.18	23.11	-159.32	720.54	-51.19	41.55	-4.28	45.84	0.907 Level 1		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	5,103.80	5,042.26	23.64	23.57	-159.02	737.01	-52.33	41.83	-4.93	46.76	0.895 Level 1		
5,200.00	5,134.46	5,203.80	5,140.89	24.11	24.03	-158.72	753.47	-53.47	42.10	-5.57	47.68	0.883 Level 1		
5,300.00	5,233.06	5,303.80	5,239.52	24.57	24.50	-158.42	769.94	-54.61	42.38	-6.22	48.60	0.872 Level 1		
5,400.00	5,331.66	5,403.80	5,338.14	25.04	24.96	-158.12	786.40	-55.75	42.66	-6.86	49.52	0.861 Level 1		
5,500.00	5,430.26	5,503.80	5,436.77	25.50	25.43	-157.83	802.87	-56.89	42.94	-7.50	50.44	0.851 Level 1		
5,600.00	5,528.86	5,603.80	5,535.40	25.97	25.89	-157.55	819.33	-58.03	43.22	-8.15	51.36	0.841 Level 1		
5,700.00	5,627.46	5,703.80	5,634.03	26.43	26.36	-157.27	835.80	-59.17	43.50	-8.79	52.28	0.832 Level 1		
5,800.00	5,726.06	5,803.80	5,732.65	26.90	26.82	-156.99	852.26	-60.31	43.78	-9.43	53.21	0.823 Level 1		
5,900.00	5,824.66	5,903.79	5,831.28	27.36	27.29	-156.71	868.73	-61.45	44.06	-10.07	54.13	0.814 Level 1		
6,000.00	5,923.26	6,003.79	5,929.91	27.83	27.75	-156.44	885.19	-62.59	44.35	-10.71	55.05	0.806 Level 1		
6,100.00	6,021.86	6,103.79	6,028.54	28.30	28.22	-156.17	901.66	-63.73	44.63	-11.34	55.98	0.797 Level 1		
6,200.00	6,120.46	6,203.79	6,127.17	28.76	28.68	-155.91	918.12	-64.87	44.92	-11.98	56.90	0.789 Level 1		
6,300.00	6,219.06	6,304.60	6,226.59	29.23	29.15	-155.59	934.72	-65.22	44.92	-12.87	57.79	0.777 Level 1		
6,405.66	6,323.24	6,410.99	6,330.61	29.72	29.62	-174.52	952.12	-52.28	42.27	-16.32	58.59	0.721 Level 1		
6,413.56	6,331.02	6,418.71	6,338.06	29.76	29.66	179.06	953.37	-50.65	42.24	-16.42	58.66	0.720 Level 1		
6,450.00	6,366.93	6,454.14	6,371.95	29.93	29.81	150.46	959.05	-42.04	42.95	-15.98	58.93	0.729 Level 1		
6,500.00	6,415.96	6,502.09	6,416.96	30.15	30.00	118.36	966.60	-27.36	46.03	-12.96	58.99	0.780 Level 1		
6,550.00	6,464.44	6,549.32	6,460.10	30.37	30.18	95.43	973.85	-9.59	51.04	-7.46	58.50	0.872 Level 1		
6,600.00	6,512.08	6,595.89	6,501.25	30.58	30.35	79.26	980.77	11.06	57.33	-0.15	57.48	0.997 Level 1		
6,650.00	6,558.58	6,641.83	6,540.27	30.78	30.50	67.62	987.34	34.37	64.39	8.36	56.02	1.149 Level 2		
6,700.00	6,603.65	6,687.19	6,577.08	30.97	30.65	59.02	993.55	60.12	71.82	17.59	54.23	1.324 Level 3		
6,750.00	6,647.02	6,732.01	6,611.59	31.15	30.78	52.52	999.37	88.12	79.38	27.19	52.19	1.521		
6,800.00	6,688.42	6,776.35	6,643.72	31.31	30.90	47.49	1,004.81	118.17	86.87	36.92	49.95	1.739		
6,850.00	6,727.59	6,820.23	6,673.42	31.46	31.00	43.55	1,009.85	150.07	94.16	46.59	47.56	1.980		
6,900.00	6,764.29	6,863.70	6,700.63	31.60	31.09	40.41	1,014.47	183.64	101.15	56.07	45.08	2.244		
6,950.00	6,798.30	6,906.80	6,725.32	31.73	31.27	37.88	1,018.68	218.71	107.77	65.25	42.52	2.535		
7,000.00	6,829.41	6,949.56	6,747.44	31.84	31.55	35.85	1,022.46	255.10	113.96	74.00	39.96	2.852		
7,050.00	6,857.42	6,992.03	6,766.98	32.03	31.86	34.20	1,025.81	292.64	119.67	82.23	37.44	3.197		
7,100.00	6,882.16	7,034.22	6,783.90	32.36	32.20	32.87	1,028.73	331.18	124.86	89.84	35.02	3.565		
7,150.00	6,903.48	7,076.19	6,798.20	32.73	32.56	31.82	1,031.21	370.55	129.49	96.71	32.78	3.951		
7,200.00	6,921.25	7,117.96	6,809.86	33.15	32.95	30.99	1,033.25	410.59	133.54	102.75	30.80	4.336		
7,250.00	6,935.36	7,159.55	6,818.87	33.61	33.37	30.37	1,034.85	451.16	137.00	107.82	29.18	4.696		
7,300.00	6,945.72	7,201.01	6,825.24	34.11	33.82	29.93	1,036.01	492.11	139.83	111.82	28.01	4.992		
7,350.00	6,952.26	7,242.37	6,828.95	34.65	34.29	29.65	1,036.73	533.28	142.03	114.64	27.40	5.185		
7,403.14	6,955.00	7,289.01	6,830.17	35.26	34.84	29.57	1,037.05	579.90	143.52	115.93	27.59	5.202		
7,500.00	6,955.99	7,385.86	6,831.17	36.49	36.13	29.88	1,037.45	676.75	143.97	114.42	29.55	4.873		
7,600.00	6,957.03	7,485.86	6,832.20	37.93	37.62	30.20	1,037.86	776.74	144.43	112.62	31.81	4.540		
7,700.00	6,958.06	7,585.85	6,833.23	39.52	39.25	30.52	1,038.27	876.73	144.90	110.61	34.30	4.225		
7,800.00	6,959.09	7,685.85	6,834.26	41.25	41.02	30.84	1,038.68	976.72	145.38	108.41	36.97	3.932		
7,900.00	6,960.12	7,785.85	6,835.29	43.09	42.90	31.15	1,039.09	1,076.71	145.86	106.05	39.81	3.664		
8,000.00	6,961.15	7,885.84	6,836.32	45.04	44.89	31.46	1,039.50	1,176.70	146.35	103.56	42.78	3.421		
8,100.00	6,962.18	7,985.84	6,837.35	47.08	46.97	31.77	1,039.91	1,276.69	146.84	100.96	45.88	3.201		
8,200.00	6,963.21	8,085.83	6,838.38	49.20	49.12	32.08	1,040.32	1,376.67	147.33	98.25	49.08	3.002		
8,300.00	6,964.24	8,185.83	6,839.41	51.39	51.34	32.39	1,040.74	1,476.66	147.83	95.45	52.37	2.823		
8,400.00	6,965.27	8,285.82	6,840.44	53.64	53.62	32.69	1,041.15	1,576.65	148.33	92.58	55.75	2.660		
8,500.00	6,966.30	8,385.82	6,841.48	55.95	55.96	33.00	1,041.56	1,676.64	148.84	89.62	59.21	2.514		
8,600.00	6,967.33	8,485.82	6,842.51	58.30	58.34	33.30	1,041.97	1,776.63	149.35	86.61	62.74	2.380		
8,700.00	6,968.37	8,585.81	6,843.54	60.70	60.76	33.60	1,042.38	1,876.62	149.86	83.53	66.34	2.259		
8,800.00	6,969.40	8,685.81	6,844.57	63.14	63.21	33.89	1,042.79	1,976.61	150.38	80.39	69.99	2.149		
8,900.00	6,970.43	8,785.80	6,845.60	65.60	65.70	34.19	1,043.20	2,076.60	150.90	77.20	73.71	2.047		
9,000.00	6,971.46	8,885.80	6,846.63	68.10	68.22	34.48	1,043.61	2,176.59	151.43	73.96	77.47	1.955		
9,100.00	6,972.49	8,985.79	6,847.66	70.63	70.76	34.77	1,044.03	2,276.58	151.96	70.67	81.29	1.869		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	9,085.79	6,848.69	73.18	73.32	35.06	1,044.44	2,376.57	152.49	67.33	85.16	1.791		
9,300.00	6,974.55	9,185.78	6,849.72	75.75	75.91	35.34	1,044.85	2,476.56	153.03	63.95	89.08	1.718		
9,400.00	6,975.58	9,285.78	6,850.75	78.34	78.52	35.63	1,045.26	2,576.55	153.57	60.54	93.04	1.651		
9,500.00	6,976.61	9,385.78	6,851.79	80.94	81.14	35.91	1,045.67	2,676.54	154.12	57.08	97.04	1.588		
9,600.00	6,977.64	9,485.77	6,852.82	83.56	83.77	36.19	1,046.08	2,776.53	154.67	53.58	101.09	1.530		
9,700.00	6,978.68	9,585.77	6,853.85	86.20	86.42	36.47	1,046.49	2,876.52	155.22	50.05	105.17	1.476 Level 3		
9,800.00	6,979.71	9,685.76	6,854.88	88.85	89.09	36.74	1,046.91	2,976.51	155.78	46.48	109.30	1.425 Level 3		
9,900.00	6,980.74	9,785.76	6,855.91	91.51	91.76	37.02	1,047.32	3,076.50	156.34	42.88	113.46	1.378 Level 3		
10,000.00	6,981.77	9,885.75	6,856.94	94.19	94.44	37.29	1,047.73	3,176.49	156.90	39.24	117.66	1.334 Level 3		
10,100.00	6,982.80	9,985.75	6,857.97	96.87	97.14	37.56	1,048.14	3,276.47	157.47	35.58	121.89	1.292 Level 3		
10,200.00	6,983.83	10,085.75	6,859.00	99.56	99.84	37.83	1,048.55	3,376.46	158.04	31.88	126.16	1.253 Level 3		
10,300.00	6,984.86	10,185.74	6,860.03	102.27	102.55	38.09	1,048.96	3,476.45	158.61	28.15	130.46	1.216 Level 2		
10,400.00	6,985.89	10,285.74	6,861.06	104.98	105.27	38.36	1,049.37	3,576.44	159.19	24.39	134.80	1.181 Level 2		
10,500.00	6,986.92	10,385.73	6,862.10	107.69	108.00	38.62	1,049.78	3,676.43	159.77	20.60	139.17	1.148 Level 2		
10,600.00	6,987.95	10,485.73	6,863.13	110.41	110.73	38.88	1,050.20	3,776.42	160.36	16.79	143.57	1.117 Level 2		
10,700.00	6,988.99	10,585.72	6,864.16	113.14	113.47	39.14	1,050.61	3,876.41	160.94	12.94	148.00	1.087 Level 2		
10,800.00	6,990.02	10,685.72	6,865.19	115.88	116.21	39.40	1,051.02	3,976.40	161.53	9.07	152.46	1.060 Level 2		
10,900.00	6,991.05	10,785.72	6,866.22	118.62	118.96	39.65	1,051.43	4,076.39	162.13	5.18	156.95	1.033 Level 2		
11,000.00	6,992.08	10,885.71	6,867.25	121.37	121.71	39.91	1,051.84	4,176.38	162.73	1.26	161.47	1.008 Level 2		
11,100.00	6,993.11	10,985.71	6,868.28	124.12	124.47	40.16	1,052.25	4,276.37	163.33	-2.69	166.01	0.984 Level 1		
11,200.00	6,994.14	11,085.70	6,869.31	126.87	127.23	40.41	1,052.66	4,376.36	163.93	-6.66	170.59	0.961 Level 1		
11,300.00	6,995.17	11,185.70	6,870.34	129.63	130.00	40.65	1,053.07	4,476.35	164.54	-10.65	175.19	0.939 Level 1		
11,400.00	6,996.20	11,285.69	6,871.37	132.39	132.77	40.90	1,053.49	4,576.34	165.15	-14.67	179.82	0.918 Level 1		
11,500.00	6,997.23	11,385.69	6,872.41	135.16	135.54	41.14	1,053.90	4,676.33	165.76	-18.71	184.47	0.899 Level 1		
11,600.00	6,998.26	11,485.68	6,873.44	137.93	138.32	41.39	1,054.31	4,776.32	166.37	-22.77	189.15	0.880 Level 1		
11,700.00	6,999.30	11,585.68	6,874.47	140.70	141.10	41.63	1,054.72	4,876.31	166.99	-26.86	193.85	0.861 Level 1		
11,800.00	7,000.33	11,685.68	6,875.50	143.48	143.88	41.86	1,055.13	4,976.30	167.61	-30.96	198.58	0.844 Level 1		
11,900.00	7,001.36	11,785.67	6,876.53	146.26	146.67	42.10	1,055.54	5,076.29	168.24	-35.09	203.33	0.827 Level 1		
12,000.00	7,002.39	11,885.67	6,877.56	149.04	149.46	42.34	1,055.95	5,176.27	168.87	-39.24	208.10	0.811 Level 1		
12,100.00	7,003.42	11,985.66	6,878.59	151.82	152.25	42.57	1,056.36	5,276.26	169.50	-43.40	212.90	0.796 Level 1		
12,200.00	7,004.45	12,085.66	6,879.62	154.61	155.04	42.80	1,056.78	5,376.25	170.13	-47.59	217.72	0.781 Level 1		
12,300.00	7,005.48	12,185.65	6,880.65	157.40	157.83	43.03	1,057.19	5,476.24	170.76	-51.79	222.56	0.767 Level 1		
12,400.00	7,006.51	12,285.65	6,881.68	160.19	160.63	43.26	1,057.60	5,576.23	171.40	-56.02	227.42	0.754 Level 1		
12,500.00	7,007.54	12,385.65	6,882.72	162.98	163.43	43.49	1,058.01	5,676.22	172.04	-60.26	232.30	0.741 Level 1		
12,600.00	7,008.57	12,485.64	6,883.75	165.78	166.23	43.71	1,058.42	5,776.21	172.69	-64.52	237.20	0.728 Level 1		
12,700.00	7,009.61	12,585.64	6,884.78	168.58	169.03	43.93	1,058.83	5,876.20	173.33	-68.79	242.13	0.716 Level 1		
12,800.00	7,010.64	12,685.63	6,885.81	171.38	171.84	44.16	1,059.24	5,976.19	173.98	-73.09	247.07	0.704 Level 1		
12,900.00	7,011.67	12,785.63	6,886.84	174.18	174.64	44.38	1,059.66	6,076.18	174.63	-77.40	252.03	0.693 Level 1		
13,000.00	7,012.70	12,885.62	6,887.87	176.98	177.45	44.59	1,060.07	6,176.17	175.29	-81.73	257.02	0.682 Level 1		
13,100.00	7,013.73	12,985.62	6,888.90	179.78	180.26	44.81	1,060.48	6,276.16	175.94	-86.07	262.02	0.672 Level 1		
13,200.00	7,014.76	13,085.62	6,889.93	182.59	183.07	45.02	1,060.89	6,376.15	176.60	-90.43	267.03	0.661 Level 1		
13,300.00	7,015.79	13,185.61	6,890.96	185.39	185.88	45.24	1,061.30	6,476.14	177.27	-94.80	272.07	0.652 Level 1		
13,400.00	7,016.82	13,285.61	6,891.99	188.20	188.69	45.45	1,061.71	6,576.13	177.93	-99.19	277.12	0.642 Level 1		
13,500.00	7,017.85	13,385.60	6,893.03	191.01	191.51	45.66	1,062.12	6,676.12	178.60	-103.60	282.19	0.633 Level 1		
13,600.00	7,018.88	13,485.60	6,894.06	193.82	194.32	45.87	1,062.53	6,776.11	179.26	-108.02	287.28	0.624 Level 1		
13,700.00	7,019.91	13,585.59	6,895.09	196.63	197.14	46.08	1,062.95	6,876.10	179.94	-112.45	292.39	0.615 Level 1		
13,800.00	7,020.95	13,685.59	6,896.12	199.44	199.95	46.28	1,063.36	6,976.09	180.61	-116.90	297.51	0.607 Level 1		
13,900.00	7,021.98	13,785.58	6,897.15	202.26	202.77	46.48	1,063.77	7,076.08	181.29	-121.36	302.64	0.599 Level 1		
14,000.00	7,023.01	13,885.58	6,898.18	205.07	205.59	46.69	1,064.18	7,176.06	181.96	-125.83	307.79	0.591 Level 1		
14,100.00	7,024.04	13,985.58	6,899.21	207.89	208.41	46.89	1,064.59	7,276.05	182.64	-130.32	312.96	0.584 Level 1		
14,200.00	7,025.07	14,085.57	6,900.24	210.70	211.23	47.09	1,065.00	7,376.04	183.33	-134.81	318.14	0.576 Level 1		
14,300.00	7,026.10	14,185.57	6,901.27	213.52	214.05	47.29	1,065.41	7,476.03	184.01	-139.33	323.34	0.569 Level 1		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	14,285.56	6,902.31	216.34	216.88	47.48	1,065.82	7,576.02	184.70	-143.85	328.55	0.562 Level 1		
14,500.00	7,028.16	14,385.56	6,903.34	219.16	219.70	47.68	1,066.24	7,676.01	185.39	-148.38	333.77	0.555 Level 1		
14,600.00	7,029.19	14,485.55	6,904.37	221.98	222.52	47.87	1,066.65	7,776.00	186.08	-152.93	339.01	0.549 Level 1		
14,700.00	7,030.22	14,585.55	6,905.40	224.80	225.35	48.06	1,067.06	7,875.99	186.77	-157.49	344.26	0.543 Level 1		
14,800.00	7,031.26	14,685.55	6,906.43	227.62	228.17	48.25	1,067.47	7,975.98	187.47	-162.06	349.53	0.536 Level 1		
14,900.00	7,032.29	14,785.54	6,907.46	230.44	231.00	48.44	1,067.88	8,075.97	188.16	-166.64	354.80	0.530 Level 1		
15,000.00	7,033.32	14,885.54	6,908.49	233.26	233.83	48.63	1,068.29	8,175.96	188.86	-171.23	360.09	0.524 Level 1		
15,100.00	7,034.35	14,985.53	6,909.52	236.09	236.66	48.82	1,068.70	8,275.95	189.57	-175.83	365.40	0.519 Level 1		
15,200.00	7,035.38	15,085.53	6,910.55	238.91	239.48	49.00	1,069.12	8,375.94	190.27	-180.44	370.71	0.513 Level 1		
15,300.00	7,036.41	15,185.52	6,911.58	241.74	242.31	49.19	1,069.53	8,475.93	190.97	-185.06	376.04	0.508 Level 1		
15,400.00	7,037.44	15,285.52	6,912.62	244.56	245.14	49.37	1,069.94	8,575.92	191.68	-189.69	381.38	0.503 Level 1		
15,500.00	7,038.47	15,385.51	6,913.65	247.39	247.97	49.55	1,070.35	8,675.91	192.39	-194.33	386.72	0.497 Level 1		
15,600.00	7,039.50	15,485.51	6,914.68	250.21	250.80	49.73	1,070.76	8,775.90	193.10	-198.98	392.09	0.493 Level 1		
15,700.00	7,040.53	15,585.51	6,915.71	253.04	253.63	49.91	1,071.17	8,875.89	193.82	-203.64	397.46	0.488 Level 1		
15,800.00	7,041.57	15,685.50	6,916.74	255.87	256.47	50.08	1,071.58	8,975.88	194.53	-208.31	402.84	0.483 Level 1		
15,900.00	7,042.60	15,785.50	6,917.77	258.70	259.30	50.26	1,071.99	9,075.86	195.25	-212.99	408.23	0.478 Level 1		
16,000.00	7,043.63	15,885.49	6,918.80	261.53	262.13	50.44	1,072.41	9,175.85	195.97	-217.67	413.64	0.474 Level 1		
16,100.00	7,044.66	15,985.49	6,919.83	264.35	264.96	50.61	1,072.82	9,275.84	196.69	-222.36	419.05	0.469 Level 1		
16,200.00	7,045.69	16,085.48	6,920.86	267.18	267.80	50.78	1,073.23	9,375.83	197.41	-227.06	424.47	0.465 Level 1		
16,300.00	7,046.72	16,185.48	6,921.89	270.01	270.63	50.95	1,073.64	9,475.82	198.13	-231.77	429.91	0.461 Level 1		
16,400.00	7,047.75	16,285.48	6,922.93	272.84	273.46	51.12	1,074.05	9,575.81	198.86	-236.49	435.35	0.457 Level 1		
16,500.00	7,048.78	16,385.47	6,923.96	275.67	276.30	51.29	1,074.46	9,675.80	199.59	-241.21	440.80	0.453 Level 1		
16,600.00	7,049.81	16,485.47	6,924.99	278.51	279.13	51.46	1,074.87	9,775.79	200.32	-245.95	446.26	0.449 Level 1		
16,700.00	7,050.84	16,585.46	6,926.02	281.34	281.97	51.62	1,075.28	9,875.78	201.05	-250.69	451.73	0.445 Level 1		
16,800.00	7,051.88	16,685.46	6,927.05	284.17	284.80	51.79	1,075.70	9,975.77	201.78	-255.43	457.21	0.441 Level 1		
16,900.00	7,052.91	16,785.45	6,928.08	287.00	287.64	51.95	1,076.11	10,075.76	202.51	-260.18	462.70	0.438 Level 1		
17,000.00	7,053.94	16,885.45	6,929.11	289.83	290.48	52.11	1,076.52	10,175.75	203.25	-264.94	468.19	0.434 Level 1		
17,100.00	7,054.97	16,985.45	6,930.14	292.67	293.31	52.27	1,076.93	10,275.74	203.99	-269.71	473.70	0.431 Level 1		
17,200.00	7,056.00	17,085.44	6,931.17	295.50	296.15	52.43	1,077.34	10,375.73	204.73	-274.48	479.21	0.427 Level 1		
17,300.00	7,057.03	17,185.44	6,932.20	298.33	298.99	52.59	1,077.75	10,475.72	205.47	-279.26	484.73	0.424 Level 1		
17,400.00	7,058.06	17,285.43	6,933.24	301.17	301.83	52.75	1,078.16	10,575.71	206.21	-284.05	490.26	0.421 Level 1		
17,500.00	7,059.09	17,385.43	6,934.27	304.00	304.66	52.91	1,078.57	10,675.70	206.95	-288.84	495.79	0.417 Level 1		
17,600.00	7,060.12	17,485.42	6,935.30	306.84	307.50	53.06	1,078.99	10,775.69	207.70	-293.64	501.33	0.414 Level 1		
17,600.35	7,060.13	17,485.77	6,935.30	306.85	307.51	53.06	1,078.99	10,776.03	207.70	-293.65	501.35	0.414 Level 1, SF		
17,685.09	7,061.00	17,553.96	6,936.00	309.25	309.45	53.17	1,079.27	10,844.22	208.99	-294.33	503.32	0.415 Level 1, ES		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	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	-174.39	-224.05	-21.99	225.13					
100.00	100.00	100.00	100.00	3.28	3.28	-174.39	-224.05	-21.99	225.13	218.56	6.57	34.269		
200.00	200.00	200.00	200.00	3.34	3.34	-174.39	-224.05	-21.99	225.13	218.45	6.67	33.731	CC, ES	
300.00	299.98	292.68	292.67	3.45	3.43	-171.49	-225.50	-22.35	228.45	221.57	6.89	33.173		
400.00	399.84	384.76	384.63	3.61	3.57	-171.48	-229.83	-23.41	238.41	231.20	7.21	33.065		
500.00	499.45	475.64	475.22	3.82	3.74	-171.46	-236.92	-25.16	254.92	247.29	7.63	33.429		
600.00	598.70	564.77	563.79	4.07	3.95	-171.43	-246.57	-27.53	277.86	269.75	8.11	34.257		
680.00	677.76	634.47	632.81	4.29	4.13	-171.40	-255.98	-29.85	300.73	292.19	8.54	35.227		
700.00	697.48	651.66	649.79	4.35	4.17	-171.41	-258.55	-30.48	307.00	298.35	8.65	35.488		
800.00	796.08	736.57	733.44	4.66	4.43	-171.40	-272.70	-33.96	340.01	330.81	9.20	36.951		
900.00	894.68	819.70	814.88	4.98	4.71	-171.35	-288.88	-37.94	375.74	365.97	9.77	38.440		
1,000.00	993.28	900.96	893.98	5.34	5.00	-171.25	-306.91	-42.38	414.12	403.76	10.36	39.970		
1,100.00	1,091.88	980.29	970.68	5.71	5.32	-171.12	-326.60	-47.23	455.04	444.08	10.95	41.537		
1,200.00	1,190.48	1,057.64	1,044.88	6.10	5.64	-170.98	-347.78	-52.44	498.42	486.87	11.55	43.149		
1,300.00	1,289.07	1,132.97	1,116.57	6.49	5.98	-170.83	-370.27	-57.97	544.16	532.02	12.14	44.811		
1,400.00	1,387.67	1,206.27	1,185.71	6.90	6.32	-170.67	-393.90	-63.79	592.19	579.46	12.73	46.523		
1,500.00	1,486.27	1,286.97	1,261.25	7.31	6.72	-170.50	-421.47	-70.57	642.01	628.64	13.37	48.021		
1,600.00	1,584.87	1,373.56	1,342.25	7.73	7.17	-170.34	-451.19	-77.89	692.00	677.94	14.07	49.194		
1,700.00	1,683.47	1,460.15	1,423.25	8.16	7.62	-170.20	-480.91	-85.20	742.00	727.22	14.78	50.193		
1,800.00	1,782.07	1,546.74	1,504.25	8.59	8.09	-170.07	-510.63	-92.51	792.01	776.49	15.52	51.048		
1,900.00	1,880.67	1,633.33	1,585.24	9.02	8.56	-169.97	-540.35	-99.83	842.01	825.75	16.26	51.782		
2,000.00	1,979.27	1,719.92	1,666.24	9.46	9.04	-169.87	-570.07	-107.14	892.02	875.00	17.02	52.416		
2,100.00	2,077.87	1,806.51	1,747.24	9.90	9.53	-169.79	-599.79	-114.45	942.03	924.25	17.79	52.966		
2,200.00	2,176.47	1,906.91	1,828.24	10.35	10.10	-169.71	-629.51	-121.77	992.04	973.41	18.63	53.253		
2,300.00	2,275.07	1,979.68	1,909.24	10.79	10.51	-169.64	-659.23	-129.08	1,042.06	1,022.71	19.35	53.861		
2,400.00	2,373.67	2,066.27	1,990.24	11.24	11.01	-169.58	-688.95	-136.39	1,092.07	1,071.93	20.14	54.228		
2,500.00	2,472.27	2,152.86	2,071.24	11.69	11.51	-169.52	-718.67	-143.71	1,142.08	1,121.15	20.94	54.550		
2,600.00	2,570.87	2,239.45	2,152.24	12.14	12.02	-169.47	-748.39	-151.02	1,192.10	1,170.36	21.74	54.835		
2,700.00	2,669.47	2,326.04	2,233.24	12.59	12.53	-169.42	-778.12	-158.33	1,242.11	1,219.57	22.55	55.088		
2,800.00	2,768.07	2,412.63	2,314.24	13.04	13.04	-169.37	-807.84	-165.65	1,292.13	1,268.77	23.36	55.313		
2,900.00	2,866.67	2,500.78	2,395.23	13.50	13.56	-169.33	-837.56	-172.96	1,342.15	1,317.96	24.18	55.495		
3,000.00	2,965.27	2,585.81	2,476.23	13.95	14.06	-169.30	-867.28	-180.27	1,392.17	1,367.17	25.00	55.693		
3,100.00	3,063.87	2,672.39	2,557.23	14.41	14.57	-169.26	-897.00	-187.59	1,442.18	1,416.36	25.82	55.854		
3,200.00	3,162.47	2,758.98	2,638.23	14.87	15.09	-169.23	-926.72	-194.90	1,492.20	1,465.55	26.65	55.999		
3,300.00	3,261.07	2,845.57	2,719.23	15.32	15.61	-169.20	-956.44	-202.22	1,542.22	1,514.74	27.48	56.130		
3,400.00	3,359.67	2,932.16	2,800.23	15.78	16.13	-169.17	-986.16	-209.53	1,592.24	1,563.93	28.31	56.248		
3,500.00	3,458.27	3,018.75	2,881.23	16.24	16.65	-169.14	-1,015.88	-216.84	1,642.26	1,613.12	29.14	56.355		
3,600.00	3,556.87	3,105.34	2,962.23	16.70	17.17	-169.11	-1,045.60	-224.16	1,692.28	1,662.30	29.98	56.452		
3,700.00	3,655.47	3,208.07	3,043.23	17.16	17.78	-169.09	-1,075.32	-231.47	1,742.30	1,711.40	30.90	56.388		
3,800.00	3,754.06	3,278.52	3,124.23	17.62	18.21	-169.07	-1,105.04	-238.78	1,792.32	1,760.66	31.65	56.621		
3,900.00	3,852.66	3,365.11	3,205.22	18.08	18.73	-169.04	-1,134.76	-246.10	1,842.34	1,809.84	32.50	56.695		
4,000.00	3,951.26	3,451.69	3,286.22	18.54	19.25	-169.02	-1,164.48	-253.41	1,892.36	1,859.02	33.34	56.762		
4,100.00	4,049.86	3,538.28	3,367.22	19.01	19.78	-169.00	-1,194.20	-260.72	1,942.38	1,908.20	34.18	56.824		
4,200.00	4,148.46	3,624.87	3,448.22	19.47	20.30	-168.99	-1,223.92	-268.04	1,992.40	1,957.37	35.03	56.881		
4,300.00	4,247.06	3,820.27	3,632.39	19.93	21.46	-168.96	-1,287.23	-283.61	2,041.23	2,004.30	36.93	55.278		
4,400.00	4,345.66	4,400.00	3,878.88	20.39	24.48	-169.00	-1,351.38	-299.40	2,081.56	2,040.89	40.67	51.187		
4,500.00	4,444.26	4,493.09	4,291.56	20.86	24.70	-169.19	-1,410.50	-313.95	2,110.99	2,069.18	41.81	50.490		
4,600.00	4,542.86	4,744.58	4,542.86	21.32	25.58	-169.38	-1,417.87	-315.76	2,129.41	2,086.34	43.07	49.446		
4,700.00	4,641.46	4,843.18	4,641.46	21.78	25.87	-169.46	-1,417.87	-315.76	2,145.81	2,101.96	43.85	48.934		
4,800.00	4,740.06	4,941.78	4,740.06	22.25	26.17	-169.54	-1,417.87	-315.76	2,162.22	2,117.57	44.64	48.436		
4,900.00	4,838.66	5,040.38	4,838.66	22.71	26.47	-169.62	-1,417.87	-315.76	2,178.62	2,133.19	45.43	47.952		
5,000.00	4,937.26	5,138.98	4,937.26	23.18	26.77	-169.70	-1,417.87	-315.76	2,195.04	2,148.81	46.23	47.481		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	5,237.58	5,035.86	23.64	27.08	-169.78	-1,417.87	-315.76	2,211.46	2,164.43	47.03	47.024		
5,200.00	5,134.46	5,336.18	5,134.46	24.11	27.39	-169.85	-1,417.87	-315.76	2,227.88	2,180.05	47.83	46.579		
5,300.00	5,233.06	5,434.78	5,233.06	24.57	27.70	-169.93	-1,417.87	-315.76	2,244.30	2,195.67	48.64	46.146		
5,400.00	5,331.66	5,533.38	5,331.66	25.04	28.02	-170.00	-1,417.87	-315.76	2,260.73	2,211.29	49.44	45.724		
5,500.00	5,430.26	5,631.98	5,430.26	25.50	28.34	-170.08	-1,417.87	-315.76	2,277.16	2,226.91	50.25	45.314		
5,600.00	5,528.86	5,730.58	5,528.86	25.97	28.66	-170.15	-1,417.87	-315.76	2,293.60	2,242.53	51.07	44.915		
5,700.00	5,627.46	5,829.18	5,627.46	26.43	28.99	-170.22	-1,417.87	-315.76	2,310.04	2,258.16	51.88	44.527		
5,800.00	5,726.06	5,927.78	5,726.06	26.90	29.31	-170.29	-1,417.87	-315.76	2,326.48	2,273.78	52.70	44.148		
5,900.00	5,824.66	6,026.38	5,824.66	27.36	29.65	-170.36	-1,417.87	-315.76	2,342.93	2,289.41	53.52	43.780		
6,000.00	5,923.26	6,124.98	5,923.26	27.83	29.98	-170.43	-1,417.87	-315.76	2,359.38	2,305.04	54.34	43.421		
6,100.00	6,021.86	6,223.58	6,021.86	28.30	30.32	-170.49	-1,417.87	-315.76	2,375.83	2,320.67	55.16	43.071		
6,200.00	6,120.46	6,322.18	6,120.46	28.76	30.66	-170.56	-1,417.87	-315.76	2,392.28	2,336.30	55.99	42.730		
6,300.00	6,219.06	6,420.78	6,219.06	29.23	31.00	-170.62	-1,417.87	-315.76	2,408.74	2,351.93	56.81	42.397		
6,405.66	6,323.24	6,524.96	6,323.24	29.72	31.36	-170.69	-1,417.87	-315.76	2,426.14	2,368.45	57.69	42.055		
6,450.00	6,366.93	6,568.65	6,366.93	29.93	31.51	-165.96	-1,417.87	-315.76	2,433.62	2,375.56	58.06	41.918		
6,500.00	6,415.96	6,617.68	6,415.96	30.15	31.68	-145.85	-1,417.87	-315.76	2,442.47	2,384.00	58.47	41.775		
6,550.00	6,464.44	6,666.16	6,464.44	30.37	31.86	-132.80	-1,417.87	-315.76	2,451.72	2,392.85	58.87	41.645		
6,600.00	6,512.08	6,713.80	6,512.08	30.58	32.02	-124.33	-1,417.87	-315.76	2,461.35	2,402.08	59.27	41.528		
6,650.00	6,558.58	6,760.30	6,558.58	30.78	32.19	-118.54	-1,417.87	-315.76	2,471.36	2,411.69	59.66	41.423		
6,700.00	6,603.65	6,818.10	6,616.37	30.97	32.39	-114.47	-1,417.87	-315.31	2,481.71	2,421.63	60.09	41.302		
6,750.00	6,647.02	6,918.89	6,716.37	31.15	32.76	-111.74	-1,417.83	-303.57	2,491.76	2,431.13	60.63	41.100		
6,800.00	6,688.42	7,029.22	6,822.19	31.31	33.13	-109.61	-1,417.73	-272.84	2,501.02	2,439.87	61.14	40.903		
6,850.00	6,727.59	7,147.75	6,928.12	31.46	33.50	-107.80	-1,417.56	-220.04	2,509.27	2,447.63	61.64	40.708		
6,900.00	6,764.29	7,271.59	7,026.34	31.60	33.82	-106.14	-1,417.32	-144.93	2,516.31	2,454.15	62.16	40.479		
6,950.00	6,798.30	7,396.58	7,108.87	31.73	34.10	-104.53	-1,417.02	-51.34	2,522.05	2,459.23	62.82	40.147		
7,000.00	6,829.41	7,518.23	7,170.16	31.84	34.36	-102.91	-1,416.68	53.54	2,526.47	2,462.74	63.73	39.641		
7,050.00	6,857.42	7,632.92	7,208.70	32.03	34.69	-101.33	-1,416.34	161.39	2,529.66	2,464.72	64.94	38.956		
7,100.00	6,882.16	7,738.49	7,226.57	32.36	35.28	-99.80	-1,416.00	265.31	2,531.77	2,465.39	66.37	38.144		
7,150.00	6,903.48	7,813.41	7,229.02	32.73	35.94	-98.60	-1,415.76	340.16	2,533.04	2,465.35	67.69	37.423		
7,200.00	6,921.25	7,860.03	7,229.07	33.15	36.45	-97.81	-1,415.61	386.78	2,534.20	2,465.45	68.75	36.860		
7,250.00	6,935.36	7,907.92	7,229.12	33.61	37.02	-97.17	-1,415.46	434.67	2,535.30	2,465.43	69.87	36.284		
7,300.00	6,945.72	7,956.78	7,229.17	34.11	37.68	-96.69	-1,415.30	483.53	2,536.28	2,465.18	71.10	35.670		
7,350.00	6,952.26	8,006.32	7,229.23	34.65	38.37	-96.37	-1,415.14	533.07	2,537.08	2,464.71	72.38	35.054		
7,403.14	6,955.00	8,059.37	7,229.28	35.26	39.20	-96.21	-1,414.97	586.12	2,537.70	2,463.87	73.83	34.372		
7,500.00	6,955.99	8,156.22	7,229.39	36.49	40.78	-96.19	-1,414.66	682.97	2,538.59	2,461.93	76.66	33.114		
7,600.00	6,957.03	8,256.21	7,229.49	37.93	42.56	-96.17	-1,414.34	782.96	2,539.51	2,459.63	79.88	31.791		
7,700.00	6,958.06	8,356.20	7,229.60	39.52	44.45	-96.14	-1,414.02	882.95	2,540.43	2,457.07	83.36	30.475		
7,800.00	6,959.09	8,456.19	7,229.71	41.25	46.44	-96.12	-1,413.70	982.94	2,541.35	2,454.27	87.07	29.186		
7,900.00	6,960.12	8,556.18	7,229.81	43.09	48.52	-96.10	-1,413.38	1,082.93	2,542.27	2,451.27	90.99	27.940		
8,000.00	6,961.15	8,656.17	7,229.92	45.04	50.68	-96.07	-1,413.06	1,182.92	2,543.19	2,448.10	95.09	26.746		
8,100.00	6,962.18	8,756.17	7,230.03	47.08	52.90	-96.05	-1,412.74	1,282.91	2,544.11	2,444.77	99.34	25.610		
8,200.00	6,963.21	8,856.16	7,230.13	49.20	55.18	-96.03	-1,412.42	1,382.90	2,545.03	2,441.30	103.73	24.535		
8,300.00	6,964.24	8,956.15	7,230.24	51.39	57.51	-96.00	-1,412.10	1,482.89	2,545.95	2,437.71	108.24	23.521		
8,400.00	6,965.27	9,056.14	7,230.35	53.64	59.89	-95.98	-1,411.78	1,582.88	2,546.87	2,434.01	112.86	22.566		
8,500.00	6,966.30	9,156.13	7,230.45	55.95	62.31	-95.96	-1,411.46	1,682.87	2,547.80	2,430.22	117.57	21.670		
8,600.00	6,967.33	9,256.12	7,230.56	58.30	64.76	-95.93	-1,411.13	1,782.86	2,548.72	2,426.35	122.37	20.828		
8,700.00	6,968.37	9,356.11	7,230.67	60.70	67.25	-95.91	-1,410.81	1,882.85	2,549.64	2,422.40	127.24	20.038		
8,800.00	6,969.40	9,456.10	7,230.78	63.14	69.76	-95.89	-1,410.49	1,982.84	2,550.56	2,418.39	132.17	19.297		
8,900.00	6,970.43	9,556.09	7,230.88	65.60	72.30	-95.86	-1,410.17	2,082.83	2,551.49	2,414.32	137.17	18.601		
9,000.00	6,971.46	9,656.08	7,230.99	68.10	74.86	-95.84	-1,409.85	2,182.82	2,552.41	2,410.20	142.21	17.948		
9,100.00	6,972.49	9,756.07	7,231.10	70.63	77.45	-95.82	-1,409.53	2,282.81	2,553.34	2,406.03	147.31	17.333		
9,200.00	6,973.52	9,856.06	7,231.20	73.18	80.05	-95.80	-1,409.21	2,382.80	2,554.26	2,401.82	152.44	16.756		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,300.00	6,974.55	9,956.05	7,231.31	75.75	82.66	95.77	-1,408.89	2,482.79	2,555.19	2,397.57	157.62	16.212		
9,400.00	6,975.58	10,056.04	7,231.42	78.34	85.30	95.75	-1,408.57	2,582.78	2,556.12	2,393.29	162.82	15.699		
9,500.00	6,976.61	10,156.03	7,231.52	80.94	87.94	95.73	-1,408.25	2,682.77	2,557.04	2,388.98	168.06	15.215		
9,600.00	6,977.64	10,256.02	7,231.63	83.56	90.60	95.70	-1,407.93	2,782.76	2,557.97	2,384.64	173.33	14.758		
9,700.00	6,978.68	10,356.01	7,231.74	86.20	93.27	95.68	-1,407.61	2,882.75	2,558.90	2,380.27	178.63	14.326		
9,800.00	6,979.71	10,456.00	7,231.84	88.85	95.95	95.66	-1,407.28	2,982.74	2,559.82	2,375.88	183.94	13.916		
9,900.00	6,980.74	10,555.99	7,231.95	91.51	98.64	95.64	-1,406.96	3,082.73	2,560.75	2,371.47	189.28	13.529		
10,000.00	6,981.77	10,655.98	7,232.06	94.19	101.34	95.61	-1,406.64	3,182.72	2,561.68	2,367.04	194.64	13.161		
10,100.00	6,982.80	10,755.98	7,232.16	96.87	104.05	95.59	-1,406.32	3,282.71	2,562.61	2,362.59	200.02	12.812		
10,200.00	6,983.83	10,855.97	7,232.27	99.56	106.77	95.57	-1,406.00	3,382.70	2,563.54	2,358.12	205.42	12.480		
10,300.00	6,984.86	10,955.96	7,232.38	102.27	109.49	95.54	-1,405.68	3,482.69	2,564.47	2,353.64	210.83	12.164		
10,400.00	6,985.89	11,055.95	7,232.48	104.98	112.22	95.52	-1,405.36	3,582.68	2,565.40	2,349.15	216.25	11.863		
10,500.00	6,986.92	11,155.94	7,232.59	107.69	114.95	95.50	-1,405.04	3,682.67	2,566.33	2,344.64	221.69	11.576		
10,600.00	6,987.95	11,255.93	7,232.70	110.41	117.69	95.48	-1,404.72	3,782.66	2,567.26	2,340.12	227.14	11.302		
10,700.00	6,988.99	11,355.92	7,232.80	113.14	120.44	95.45	-1,404.40	3,882.65	2,568.19	2,335.59	232.61	11.041		
10,800.00	6,990.02	11,455.91	7,232.91	115.88	123.19	95.43	-1,404.08	3,982.64	2,569.12	2,331.04	238.08	10.791		
10,900.00	6,991.05	11,555.90	7,233.02	118.62	125.95	95.41	-1,403.76	4,082.63	2,570.06	2,326.49	243.57	10.552		
11,000.00	6,992.08	11,655.89	7,233.12	121.37	128.71	95.39	-1,403.43	4,182.62	2,570.99	2,321.93	249.06	10.323		
11,100.00	6,993.11	11,755.88	7,233.23	124.12	131.47	95.36	-1,403.11	4,282.61	2,571.92	2,317.36	254.56	10.103		
11,200.00	6,994.14	11,855.87	7,233.34	126.87	134.24	95.34	-1,402.79	4,382.60	2,572.86	2,312.78	260.08	9.893		
11,300.00	6,995.17	11,955.86	7,233.44	129.63	137.01	95.32	-1,402.47	4,482.59	2,573.79	2,308.19	265.60	9.691		
11,400.00	6,996.20	12,055.85	7,233.55	132.39	139.78	95.30	-1,402.15	4,582.58	2,574.72	2,303.60	271.12	9.497		
11,500.00	6,997.23	12,155.84	7,233.66	135.16	142.56	95.27	-1,401.83	4,682.57	2,575.66	2,299.00	276.66	9.310		
11,600.00	6,998.26	12,255.83	7,233.76	137.93	145.34	95.25	-1,401.51	4,782.56	2,576.59	2,294.40	282.20	9.130		
11,700.00	6,999.30	12,355.82	7,233.87	140.70	148.12	95.23	-1,401.19	4,882.55	2,577.53	2,289.79	287.74	8.958		
11,800.00	7,000.33	12,455.81	7,233.98	143.48	150.91	95.21	-1,400.87	4,982.54	2,578.47	2,285.17	293.30	8.791		
11,900.00	7,001.36	12,555.80	7,234.08	146.26	153.70	95.18	-1,400.55	5,082.53	2,579.40	2,280.55	298.85	8.631		
12,000.00	7,002.39	12,655.79	7,234.19	149.04	156.49	95.16	-1,400.23	5,182.52	2,580.34	2,275.92	304.42	8.476		
12,100.00	7,003.42	12,755.78	7,234.30	151.82	159.28	95.14	-1,399.90	5,282.51	2,581.28	2,271.29	309.99	8.327		
12,200.00	7,004.45	12,855.78	7,234.41	154.61	162.08	95.12	-1,399.58	5,382.50	2,582.21	2,266.65	315.56	8.183		
12,300.00	7,005.48	12,955.77	7,234.51	157.40	164.87	95.09	-1,399.26	5,482.49	2,583.15	2,262.01	321.14	8.044		
12,400.00	7,006.51	13,055.76	7,234.62	160.19	167.67	95.07	-1,398.94	5,582.48	2,584.09	2,257.37	326.72	7.909		
12,500.00	7,007.54	13,155.75	7,234.73	162.98	170.47	95.05	-1,398.62	5,682.47	2,585.03	2,252.72	332.31	7.779		
12,600.00	7,008.57	13,255.74	7,234.83	165.78	173.27	95.03	-1,398.30	5,782.46	2,585.97	2,248.07	337.90	7.653		
12,700.00	7,009.61	13,355.73	7,234.94	168.58	176.08	95.00	-1,397.98	5,882.45	2,586.91	2,243.42	343.49	7.531		
12,800.00	7,010.64	13,455.72	7,235.05	171.38	178.88	94.98	-1,397.66	5,982.44	2,587.85	2,238.76	349.09	7.413		
12,900.00	7,011.67	13,555.71	7,235.15	174.18	181.69	94.96	-1,397.34	6,082.43	2,588.79	2,234.10	354.69	7.299		
13,000.00	7,012.70	13,655.70	7,235.26	176.98	184.50	94.94	-1,397.02	6,182.42	2,589.73	2,229.43	360.29	7.188		
13,100.00	7,013.73	13,755.69	7,235.37	179.78	187.31	94.91	-1,396.70	6,282.41	2,590.67	2,224.77	365.90	7.080		
13,200.00	7,014.76	13,855.68	7,235.47	182.59	190.12	94.89	-1,396.38	6,382.40	2,591.61	2,220.10	371.51	6.976		
13,300.00	7,015.79	13,955.67	7,235.58	185.39	192.93	94.87	-1,396.05	6,482.39	2,592.55	2,215.43	377.12	6.875		
13,400.00	7,016.82	14,055.66	7,235.69	188.20	195.75	94.85	-1,395.73	6,582.38	2,593.49	2,210.75	382.74	6.776		
13,500.00	7,017.85	14,155.65	7,235.79	191.01	198.56	94.82	-1,395.41	6,682.37	2,594.44	2,206.08	388.36	6.681		
13,600.00	7,018.88	14,255.64	7,235.90	193.82	201.38	94.80	-1,395.09	6,782.36	2,595.38	2,201.40	393.98	6.588		
13,700.00	7,019.91	14,355.63	7,236.01	196.63	204.19	94.78	-1,394.77	6,882.35	2,596.32	2,196.72	399.60	6.497		
13,800.00	7,020.95	14,455.62	7,236.11	199.44	207.01	94.76	-1,394.45	6,982.34	2,597.27	2,192.04	405.23	6.409		
13,900.00	7,021.98	14,555.61	7,236.22	202.26	209.83	94.74	-1,394.13	7,082.33	2,598.21	2,187.35	410.86	6.324		
14,000.00	7,023.01	14,655.60	7,236.33	205.07	212.65	94.71	-1,393.81	7,182.32	2,599.15	2,182.67	416.49	6.241		
14,100.00	7,024.04	14,755.59	7,236.43	207.89	215.47	94.69	-1,393.49	7,282.31	2,600.10	2,177.98	422.12	6.160		
14,200.00	7,025.07	14,855.58	7,236.54	210.70	218.29	94.67	-1,393.17	7,382.30	2,601.04	2,173.29	427.75	6.081		
14,300.00	7,026.10	14,955.57	7,236.65	213.52	221.12	94.65	-1,392.85	7,482.29	2,601.99	2,168.60	433.39	6.004		
14,400.00	7,027.13	15,055.56	7,236.75	216.34	223.94	94.63	-1,392.53	7,582.28	2,602.94	2,163.91	439.03	5.929		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,500.00	7,028.16	15,155.56	7,236.86	219.16	226.76	94.60	-1,392.20	7,682.27	2,603.88	2,159.21	444.67	5.856		
14,600.00	7,029.19	15,255.55	7,236.97	221.98	229.59	94.58	-1,391.88	7,782.26	2,604.83	2,154.52	450.31	5.785		
14,700.00	7,030.22	15,355.54	7,237.07	224.80	232.41	94.56	-1,391.56	7,882.25	2,605.78	2,149.82	455.95	5.715		
14,800.00	7,031.26	15,455.53	7,237.18	227.62	235.24	94.54	-1,391.24	7,982.24	2,606.72	2,145.12	461.60	5.647		
14,900.00	7,032.29	15,555.52	7,237.29	230.44	238.07	94.52	-1,390.92	8,082.23	2,607.67	2,140.43	467.25	5.581		
15,000.00	7,033.32	15,655.51	7,237.39	233.26	240.89	94.49	-1,390.60	8,182.22	2,608.62	2,135.73	472.89	5.516		
15,100.00	7,034.35	15,755.50	7,237.50	236.09	243.72	94.47	-1,390.28	8,282.21	2,609.57	2,131.02	478.54	5.453		
15,200.00	7,035.38	15,855.49	7,237.61	238.91	246.55	94.45	-1,389.96	8,382.20	2,610.52	2,126.32	484.20	5.391		
15,300.00	7,036.41	15,955.48	7,237.72	241.74	249.38	94.43	-1,389.64	8,482.19	2,611.47	2,121.62	489.85	5.331		
15,400.00	7,037.44	16,055.47	7,237.82	244.56	252.21	94.41	-1,389.32	8,582.18	2,612.42	2,116.92	495.50	5.272		
15,500.00	7,038.47	16,155.46	7,237.93	247.39	255.04	94.38	-1,389.00	8,682.17	2,613.37	2,112.21	501.16	5.215		
15,600.00	7,039.50	16,255.45	7,238.04	250.21	257.87	94.36	-1,388.68	8,782.16	2,614.32	2,107.50	506.81	5.158		
15,700.00	7,040.53	16,355.44	7,238.14	253.04	260.70	94.34	-1,388.35	8,882.15	2,615.27	2,102.80	512.47	5.103		
15,800.00	7,041.57	16,455.43	7,238.25	255.87	263.53	94.32	-1,388.03	8,982.14	2,616.22	2,098.09	518.13	5.049		
15,900.00	7,042.60	16,555.42	7,238.36	258.70	266.36	94.30	-1,387.71	9,082.13	2,617.17	2,093.38	523.79	4.997		
16,000.00	7,043.63	16,655.41	7,238.46	261.53	269.20	94.27	-1,387.39	9,182.12	2,618.13	2,088.67	529.45	4.945		
16,100.00	7,044.66	16,755.40	7,238.57	264.35	272.03	94.25	-1,387.07	9,282.11	2,619.08	2,083.96	535.11	4.894		
16,200.00	7,045.69	16,855.39	7,238.68	267.18	274.86	94.23	-1,386.75	9,382.10	2,620.03	2,079.25	540.78	4.845		
16,300.00	7,046.72	16,955.39	7,238.78	270.01	277.70	94.21	-1,386.43	9,482.09	2,620.98	2,074.54	546.44	4.796		
16,400.00	7,047.75	17,055.38	7,238.89	272.84	280.53	94.19	-1,386.11	9,582.07	2,621.94	2,069.83	552.11	4.749		
16,500.00	7,048.78	17,155.37	7,239.00	275.67	283.37	94.16	-1,385.79	9,682.06	2,622.89	2,065.12	557.77	4.702		
16,600.00	7,049.81	17,255.36	7,239.10	278.51	286.20	94.14	-1,385.47	9,782.05	2,623.85	2,060.41	563.44	4.657		
16,700.00	7,050.84	17,355.35	7,239.21	281.34	289.04	94.12	-1,385.15	9,882.04	2,624.80	2,055.69	569.11	4.612		
16,800.00	7,051.88	17,455.34	7,239.32	284.17	291.87	94.10	-1,384.83	9,982.03	2,625.76	2,050.98	574.78	4.568		
16,900.00	7,052.91	17,555.33	7,239.42	287.00	294.71	94.08	-1,384.50	10,082.02	2,626.71	2,046.26	580.45	4.525		
17,000.00	7,053.94	17,655.32	7,239.53	289.83	297.55	94.06	-1,384.18	10,182.01	2,627.67	2,041.55	586.12	4.483		
17,100.00	7,054.97	17,755.31	7,239.64	292.67	300.38	94.03	-1,383.86	10,282.00	2,628.62	2,036.83	591.79	4.442		
17,200.00	7,056.00	17,855.30	7,239.74	295.50	303.22	94.01	-1,383.54	10,381.99	2,629.58	2,032.12	597.46	4.401		
17,300.00	7,057.03	17,955.29	7,239.85	298.33	306.06	93.99	-1,383.22	10,481.98	2,630.54	2,027.40	603.14	4.361		
17,400.00	7,058.06	18,055.28	7,239.96	301.17	308.89	93.97	-1,382.90	10,581.97	2,631.50	2,022.68	608.81	4.322		
17,500.00	7,059.09	18,095.23	7,240.00	304.00	310.03	93.96	-1,382.77	10,621.92	2,633.14	2,020.63	612.51	4.299		
17,600.00	7,060.12	18,095.23	7,240.00	306.84	310.03	93.96	-1,382.77	10,621.92	2,638.27	2,024.07	614.20	4.295 SF		
17,685.09	7,061.00	18,095.23	7,240.00	309.25	310.03	93.96	-1,382.77	10,621.92	2,645.61	2,030.66	614.95	4.302		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	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	-174.37	-209.11	-20.60	210.12					
100.00	100.00	100.00	100.00	3.28	3.28	-174.37	-209.11	-20.60	210.12	203.55	6.57	31.985		
200.00	200.00	200.00	200.00	3.34	3.34	-174.37	-209.11	-20.60	210.12	203.45	6.67	31.483 CC, ES		
300.00	299.98	293.19	293.17	3.45	3.43	-171.45	-210.56	-21.04	213.44	206.55	6.89	30.990		
400.00	399.84	385.77	385.64	3.61	3.57	-171.38	-214.87	-22.36	223.38	216.17	7.21	30.974		
500.00	499.45	477.16	476.72	3.82	3.74	-171.27	-221.92	-24.51	239.86	232.23	7.63	31.442		
600.00	598.70	566.78	565.78	4.07	3.95	-171.13	-231.54	-27.44	262.75	254.64	8.12	32.378		
680.00	677.76	636.87	635.18	4.29	4.14	-171.01	-240.91	-30.29	285.59	277.04	8.54	33.432		
700.00	697.48	654.16	652.26	4.35	4.18	-170.99	-243.47	-31.07	291.84	283.19	8.66	33.715		
800.00	796.08	748.34	745.23	4.66	4.46	-170.91	-257.89	-35.47	323.61	314.40	9.20	35.157		
900.00	894.68	843.16	838.83	4.98	4.78	-170.84	-272.40	-39.89	355.38	345.59	9.79	36.308		
1,000.00	993.28	937.98	932.42	5.34	5.11	-170.79	-286.92	-44.31	387.15	376.73	10.42	37.153		
1,100.00	1,091.88	1,032.80	1,026.02	5.71	5.47	-170.74	-301.44	-48.74	418.92	407.84	11.09	37.790		
1,200.00	1,190.48	1,127.62	1,119.61	6.10	5.84	-170.70	-315.95	-53.16	450.69	438.92	11.78	38.265		
1,300.00	1,289.07	1,222.43	1,213.21	6.49	6.22	-170.66	-330.47	-57.59	482.47	469.97	12.49	38.616		
1,400.00	1,387.67	1,317.25	1,306.80	6.90	6.61	-170.63	-344.99	-62.01	514.24	501.01	13.23	38.871		
1,500.00	1,486.27	1,412.07	1,400.40	7.31	7.01	-170.60	-359.50	-66.44	546.01	532.03	13.98	39.053		
1,600.00	1,584.87	1,506.89	1,494.00	7.73	7.41	-170.58	-374.02	-70.86	577.79	563.04	14.75	39.180		
1,700.00	1,683.47	1,601.71	1,587.59	8.16	7.82	-170.55	-388.54	-75.29	609.56	594.03	15.52	39.264		
1,800.00	1,782.07	1,703.48	1,681.19	8.59	8.27	-170.53	-403.05	-79.71	641.33	624.99	16.34	39.246		
1,900.00	1,880.67	1,808.66	1,774.78	9.02	8.74	-170.52	-417.57	-84.13	673.10	655.92	17.18	39.176		
2,000.00	1,979.27	1,886.16	1,868.38	9.46	9.08	-170.50	-432.09	-88.56	704.88	686.96	17.91	39.351		
2,100.00	2,077.87	1,980.98	1,961.97	9.90	9.51	-170.49	-446.60	-92.98	736.65	717.93	18.72	39.344		
2,200.00	2,176.47	2,075.80	2,055.57	10.35	9.94	-170.47	-461.12	-97.41	768.42	748.88	19.54	39.326		
2,300.00	2,275.07	2,170.61	2,149.16	10.79	10.37	-170.46	-475.64	-101.83	800.20	779.84	20.36	39.300		
2,400.00	2,373.67	2,265.43	2,242.76	11.24	10.81	-170.45	-490.15	-106.26	831.97	810.78	21.19	39.268		
2,500.00	2,472.27	2,360.25	2,336.36	11.69	11.25	-170.44	-504.67	-110.68	863.74	841.73	22.02	39.231		
2,600.00	2,570.87	2,455.07	2,429.95	12.14	11.68	-170.43	-519.19	-115.10	895.52	872.67	22.85	39.190		
2,700.00	2,669.47	2,549.88	2,523.55	12.59	12.12	-170.42	-533.70	-119.53	927.29	903.60	23.69	39.148		
2,800.00	2,768.07	2,644.70	2,617.14	13.04	12.56	-170.41	-548.22	-123.95	959.06	934.54	24.53	39.103		
2,900.00	2,866.67	2,739.52	2,710.74	13.50	13.01	-170.40	-562.74	-128.38	990.84	965.47	25.37	39.058		
3,000.00	2,965.27	2,834.34	2,804.33	13.95	13.45	-170.39	-577.25	-132.80	1,022.61	996.40	26.21	39.012		
3,100.00	3,063.87	2,929.16	2,897.93	14.41	13.89	-170.38	-591.77	-137.23	1,054.38	1,027.32	27.06	38.966		
3,200.00	3,162.47	3,023.97	2,991.52	14.87	14.34	-170.38	-606.29	-141.65	1,086.16	1,058.25	27.91	38.920		
3,300.00	3,261.07	3,118.79	3,085.12	15.32	14.79	-170.37	-620.80	-146.07	1,117.93	1,089.17	28.76	38.874		
3,400.00	3,359.67	3,213.61	3,178.72	15.78	15.23	-170.37	-635.32	-150.50	1,149.70	1,120.09	29.61	38.829		
3,500.00	3,458.27	3,308.43	3,272.31	16.24	15.68	-170.36	-649.84	-154.92	1,181.48	1,151.02	30.46	38.784		
3,600.00	3,556.87	3,403.25	3,365.91	16.70	16.13	-170.35	-664.35	-159.35	1,213.25	1,181.93	31.32	38.741		
3,700.00	3,655.47	3,501.94	3,459.50	17.16	16.60	-170.35	-678.87	-163.77	1,245.03	1,212.83	32.19	38.677		
3,800.00	3,754.06	3,607.12	3,553.10	17.62	17.09	-170.34	-693.39	-168.20	1,276.80	1,243.70	33.09	38.581		
3,900.00	3,852.66	3,687.70	3,646.69	18.08	17.48	-170.34	-707.90	-172.62	1,308.57	1,274.68	33.89	38.614		
4,000.00	3,951.26	3,782.52	3,740.29	18.54	17.93	-170.33	-722.42	-177.05	1,340.35	1,305.60	34.75	38.574		
4,100.00	4,049.86	3,877.34	3,833.88	19.01	18.38	-170.33	-736.94	-181.47	1,372.12	1,336.51	35.61	38.535		
4,200.00	4,148.46	3,972.15	3,927.48	19.47	18.83	-170.33	-751.45	-185.89	1,403.89	1,367.42	36.47	38.497		
4,300.00	4,247.06	4,066.97	4,021.08	19.93	19.28	-170.32	-765.97	-190.32	1,435.67	1,398.34	37.33	38.459		
4,400.00	4,345.66	4,161.79	4,114.67	20.39	19.73	-170.32	-780.49	-194.74	1,467.44	1,429.25	38.19	38.423		
4,500.00	4,444.26	4,256.61	4,208.27	20.86	20.18	-170.32	-795.00	-199.17	1,499.21	1,460.16	39.05	38.387		
4,600.00	4,542.86	4,351.42	4,301.86	21.32	20.64	-170.31	-809.52	-203.59	1,530.99	1,491.07	39.92	38.353		
4,700.00	4,641.46	4,446.24	4,395.46	21.78	21.09	-170.31	-824.04	-208.02	1,562.76	1,521.98	40.78	38.319		
4,800.00	4,740.06	4,541.06	4,489.05	22.25	21.54	-170.31	-838.55	-212.44	1,594.53	1,552.89	41.65	38.286		
4,900.00	4,838.66	4,635.88	4,582.65	22.71	21.99	-170.30	-853.07	-216.86	1,626.31	1,583.79	42.51	38.254		
5,000.00	4,937.26	4,730.70	4,676.24	23.18	22.45	-170.30	-867.59	-221.29	1,658.08	1,614.70	43.38	38.223		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	4,825.51	4,769.84	23.64	22.90	-170.30	-882.10	-225.71	1,689.86	1,645.61	44.25	38.192		
5,200.00	5,134.46	4,920.33	4,863.44	24.11	23.35	-170.29	-896.62	-230.14	1,721.63	1,676.52	45.11	38.162		
5,300.00	5,233.06	5,015.15	4,957.03	24.57	23.81	-170.29	-911.14	-234.56	1,753.40	1,707.42	45.98	38.133		
5,400.00	5,331.66	5,109.97	5,050.63	25.04	24.26	-170.29	-925.65	-238.99	1,785.18	1,738.33	46.85	38.105		
5,500.00	5,430.26	5,204.79	5,144.22	25.50	24.72	-170.29	-940.17	-243.41	1,816.95	1,769.23	47.72	38.078		
5,600.00	5,528.86	5,300.40	5,237.82	25.97	25.17	-170.28	-954.69	-247.84	1,848.72	1,800.13	48.59	38.048		
5,700.00	5,627.46	5,405.58	5,331.41	26.43	25.68	-170.28	-969.20	-252.26	1,880.50	1,830.99	49.51	37.985		
5,800.00	5,726.06	5,489.24	5,425.01	26.90	26.08	-170.28	-983.72	-256.68	1,912.27	1,861.95	50.32	37.999		
5,900.00	5,824.66	5,584.06	5,518.60	27.36	26.53	-170.28	-998.24	-261.11	1,944.04	1,892.85	51.19	37.974		
6,000.00	5,923.26	5,678.88	5,612.20	27.83	26.99	-170.28	-1,012.75	-265.53	1,975.82	1,923.75	52.06	37.949		
6,100.00	6,021.86	5,773.69	5,705.80	28.30	27.44	-170.27	-1,027.27	-269.96	2,007.59	1,954.66	52.94	37.925		
6,200.00	6,120.46	5,868.51	5,799.39	28.76	27.90	-170.27	-1,041.79	-274.38	2,039.36	1,985.56	53.81	37.902		
6,300.00	6,219.06	5,963.33	5,892.99	29.23	28.35	-170.27	-1,056.30	-278.81	2,071.14	2,016.46	54.68	37.879		
6,405.66	6,323.24	6,063.52	5,991.88	29.72	28.84	-170.27	-1,071.64	-283.48	2,104.71	2,049.11	55.60	37.856		
6,450.00	6,366.93	6,105.46	6,033.28	29.93	29.04	165.75	-1,078.06	-285.44	2,118.98	2,063.00	55.98	37.850		
6,500.00	6,415.96	6,152.34	6,079.56	30.15	29.26	144.94	-1,085.24	-287.63	2,135.45	2,079.04	56.41	37.854		
6,550.00	6,464.44	6,201.49	6,125.14	30.37	29.50	131.20	-1,092.31	-289.78	2,152.27	2,095.42	56.85	37.860		
6,600.00	6,512.08	6,243.69	6,169.73	30.58	29.70	122.05	-1,099.23	-291.89	2,169.36	2,112.11	57.25	37.895		
6,650.00	6,558.58	6,287.59	6,213.06	30.78	29.91	115.60	-1,105.95	-293.94	2,186.70	2,129.05	57.65	37.930		
6,700.00	6,603.65	6,348.13	6,272.86	30.97	30.20	110.98	-1,115.22	-295.69	2,204.17	2,145.97	58.20	37.871		
6,750.00	6,647.02	6,436.63	6,359.96	31.15	30.59	107.65	-1,128.71	-288.55	2,221.11	2,162.14	58.96	37.668		
6,800.00	6,688.42	6,533.83	6,453.47	31.31	30.97	104.98	-1,143.17	-266.73	2,237.16	2,177.42	59.74	37.451		
6,850.00	6,727.59	6,639.79	6,550.36	31.46	31.33	102.74	-1,158.12	-226.86	2,252.06	2,191.56	60.50	37.224		
6,900.00	6,764.29	6,753.50	6,645.53	31.60	31.66	100.75	-1,172.77	-166.66	2,265.54	2,204.29	61.26	36.984		
6,950.00	6,798.30	6,872.63	6,732.23	31.73	31.93	98.87	-1,186.07	-86.30	2,277.40	2,215.34	62.06	36.697		
7,000.00	6,829.41	6,993.65	6,803.62	31.84	32.15	97.03	-1,196.97	10.59	2,287.46	2,224.47	62.99	36.313		
7,050.00	6,857.42	7,050.00	6,846.66	32.03	32.24	95.29	-1,203.49	97.07	2,295.68	2,232.01	63.67	36.058		
7,100.00	6,882.16	7,225.80	6,884.72	32.36	33.24	93.40	-1,209.17	226.39	2,302.11	2,236.57	65.54	35.126		
7,150.00	6,903.48	7,331.00	6,894.93	32.73	34.38	91.70	-1,210.57	330.96	2,306.85	2,239.77	67.08	34.392		
7,200.00	6,921.25	7,382.19	6,895.12	33.15	35.01	90.62	-1,210.51	382.16	2,310.47	2,242.36	68.11	33.921		
7,250.00	6,935.36	7,430.10	6,895.24	33.61	35.66	89.78	-1,210.45	430.06	2,313.55	2,244.35	69.20	33.433		
7,300.00	6,945.72	7,478.97	6,895.37	34.11	36.34	89.15	-1,210.38	478.94	2,316.01	2,245.64	70.37	32.913		
7,350.00	6,952.26	7,528.52	6,895.50	34.65	37.08	88.74	-1,210.32	528.48	2,317.78	2,246.15	71.63	32.357		
7,403.14	6,955.00	7,581.57	6,895.64	35.26	37.92	88.54	-1,210.25	581.53	2,318.86	2,245.80	73.06	31.740		
7,500.00	6,955.99	7,678.42	6,895.89	36.49	39.54	88.52	-1,210.12	678.38	2,320.05	2,244.15	75.90	30.568		
7,600.00	6,957.03	7,778.41	6,896.16	37.93	41.35	88.50	-1,209.99	778.37	2,321.28	2,242.16	79.13	29.337		
7,700.00	6,958.06	7,878.40	6,896.42	39.52	43.27	88.49	-1,209.86	878.36	2,322.51	2,239.89	82.62	28.110		
7,800.00	6,959.09	7,978.39	6,896.68	41.25	45.29	88.47	-1,209.72	978.35	2,323.75	2,237.39	86.36	26.909		
7,900.00	6,960.12	8,078.38	6,896.94	43.09	47.39	88.45	-1,209.59	1,078.34	2,324.98	2,234.68	90.30	25.749		
8,000.00	6,961.15	8,178.37	6,897.20	45.04	49.57	88.43	-1,209.46	1,178.33	2,326.21	2,231.80	94.42	24.638		
8,100.00	6,962.18	8,278.36	6,897.47	47.08	51.81	88.41	-1,209.33	1,278.32	2,327.45	2,228.75	98.69	23.582		
8,200.00	6,963.21	8,378.35	6,897.73	49.20	54.11	88.40	-1,209.20	1,378.31	2,328.68	2,225.57	103.11	22.584		
8,300.00	6,964.24	8,478.34	6,897.99	51.39	56.46	88.38	-1,209.06	1,478.30	2,329.92	2,222.26	107.65	21.643		
8,400.00	6,965.27	8,578.33	6,898.25	53.64	58.86	88.36	-1,208.93	1,578.29	2,331.15	2,218.85	112.30	20.759		
8,500.00	6,966.30	8,678.32	6,898.51	55.95	61.30	88.34	-1,208.80	1,678.28	2,332.38	2,215.35	117.04	19.929		
8,600.00	6,967.33	8,778.31	6,898.78	58.30	63.76	88.32	-1,208.67	1,778.27	2,333.62	2,211.76	121.86	19.150		
8,700.00	6,968.37	8,878.30	6,899.04	60.70	66.27	88.31	-1,208.54	1,878.26	2,334.85	2,208.10	126.75	18.420		
8,800.00	6,969.40	8,978.29	6,899.30	63.14	68.79	88.29	-1,208.40	1,978.25	2,336.09	2,204.38	131.71	17.736		
8,900.00	6,970.43	9,078.28	6,899.56	65.60	71.35	88.27	-1,208.27	2,078.23	2,337.32	2,200.59	136.73	17.094		
9,000.00	6,971.46	9,178.27	6,899.82	68.10	73.92	88.25	-1,208.14	2,178.22	2,338.56	2,196.76	141.80	16.492		
9,100.00	6,972.49	9,278.26	6,900.09	70.63	76.51	88.23	-1,208.01	2,278.21	2,339.80	2,192.88	146.92	15.926		
9,200.00	6,973.52	9,378.25	6,900.35	73.18	79.13	88.22	-1,207.88	2,378.20	2,341.03	2,188.95	152.08	15.394		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,300.00	6,974.55	9,478.24	6,900.61	75.75	81.76	88.20	-1,207.74	2,478.19	2,342.27	2,185.00	157.27	14.893		
9,400.00	6,975.58	9,578.23	6,900.87	78.34	84.40	88.18	-1,207.61	2,578.18	2,343.51	2,181.00	162.50	14.421		
9,500.00	6,976.61	9,678.22	6,901.14	80.94	87.06	88.16	-1,207.48	2,678.17	2,344.74	2,176.98	167.76	13.976		
9,600.00	6,977.64	9,778.21	6,901.40	83.56	89.72	88.14	-1,207.35	2,778.16	2,345.98	2,172.93	173.05	13.557		
9,700.00	6,978.68	9,878.20	6,901.66	86.20	92.40	88.13	-1,207.22	2,878.15	2,347.22	2,168.85	178.37	13.160		
9,800.00	6,979.71	9,978.19	6,901.92	88.85	95.09	88.11	-1,207.08	2,978.14	2,348.45	2,164.75	183.70	12.784		
9,900.00	6,980.74	10,078.18	6,902.18	91.51	97.79	88.09	-1,206.95	3,078.13	2,349.69	2,160.63	189.06	12.428		
10,000.00	6,981.77	10,178.17	6,902.45	94.19	100.50	88.07	-1,206.82	3,178.12	2,350.93	2,156.49	194.44	12.091		
10,100.00	6,982.80	10,278.16	6,902.71	96.87	103.22	88.06	-1,206.69	3,278.11	2,352.17	2,152.34	199.83	11.771		
10,200.00	6,983.83	10,378.15	6,902.97	99.56	105.94	88.04	-1,206.56	3,378.09	2,353.41	2,148.16	205.24	11.466		
10,300.00	6,984.86	10,478.13	6,903.23	102.27	108.67	88.02	-1,206.42	3,478.08	2,354.65	2,143.98	210.67	11.177		
10,400.00	6,985.89	10,578.12	6,903.49	104.98	111.40	88.00	-1,206.29	3,578.07	2,355.88	2,139.77	216.11	10.901		
10,500.00	6,986.92	10,678.11	6,903.76	107.69	114.14	87.99	-1,206.16	3,678.06	2,357.12	2,135.56	221.56	10.639		
10,600.00	6,987.95	10,778.10	6,904.02	110.41	116.89	87.97	-1,206.03	3,778.05	2,358.36	2,131.33	227.03	10.388		
10,700.00	6,988.99	10,878.09	6,904.28	113.14	119.64	87.95	-1,205.90	3,878.04	2,359.60	2,127.10	232.50	10.149		
10,800.00	6,990.02	10,978.08	6,904.54	115.88	122.40	87.93	-1,205.76	3,978.03	2,360.84	2,122.85	237.99	9.920		
10,900.00	6,991.05	11,078.07	6,904.80	118.62	125.16	87.91	-1,205.63	4,078.02	2,362.08	2,118.59	243.49	9.701		
11,000.00	6,992.08	11,178.06	6,905.07	121.37	127.93	87.90	-1,205.50	4,178.01	2,363.32	2,114.33	248.99	9.492		
11,100.00	6,993.11	11,278.05	6,905.33	124.12	130.70	87.88	-1,205.37	4,278.00	2,364.56	2,110.06	254.51	9.291		
11,200.00	6,994.14	11,378.04	6,905.59	126.87	133.47	87.86	-1,205.24	4,377.99	2,365.80	2,105.78	260.03	9.098		
11,300.00	6,995.17	11,478.03	6,905.85	129.63	136.24	87.84	-1,205.10	4,477.98	2,367.04	2,101.49	265.56	8.914		
11,400.00	6,996.20	11,578.02	6,906.11	132.39	139.02	87.83	-1,204.97	4,577.97	2,368.29	2,097.19	271.09	8.736		
11,500.00	6,997.23	11,678.01	6,906.38	135.16	141.80	87.81	-1,204.84	4,677.96	2,369.53	2,092.89	276.63	8.566		
11,600.00	6,998.26	11,778.00	6,906.64	137.93	144.59	87.79	-1,204.71	4,777.94	2,370.77	2,088.59	282.18	8.402		
11,700.00	6,999.30	11,877.99	6,906.90	140.70	147.38	87.77	-1,204.58	4,877.93	2,372.01	2,084.27	287.74	8.244		
11,800.00	7,000.33	11,977.98	6,907.16	143.48	150.17	87.76	-1,204.44	4,977.92	2,373.25	2,079.96	293.30	8.092		
11,900.00	7,001.36	12,077.97	6,907.42	146.26	152.96	87.74	-1,204.31	5,077.91	2,374.50	2,075.64	298.86	7.945		
12,000.00	7,002.39	12,177.96	6,907.69	149.04	155.75	87.72	-1,204.18	5,177.90	2,375.74	2,071.31	304.43	7.804		
12,100.00	7,003.42	12,277.95	6,907.95	151.82	158.55	87.71	-1,204.05	5,277.89	2,376.98	2,066.98	310.00	7.668		
12,200.00	7,004.45	12,377.94	6,908.21	154.61	161.35	87.69	-1,203.92	5,377.88	2,378.22	2,062.64	315.58	7.536		
12,300.00	7,005.48	12,477.93	6,908.47	157.40	164.15	87.67	-1,203.78	5,477.87	2,379.47	2,058.31	321.16	7.409		
12,400.00	7,006.51	12,577.92	6,908.74	160.19	166.95	87.65	-1,203.65	5,577.86	2,380.71	2,053.96	326.75	7.286		
12,500.00	7,007.54	12,677.91	6,909.00	162.98	169.76	87.64	-1,203.52	5,677.85	2,381.95	2,049.62	332.34	7.167		
12,600.00	7,008.57	12,777.90	6,909.26	165.78	172.56	87.62	-1,203.39	5,777.84	2,383.20	2,045.27	337.93	7.052		
12,700.00	7,009.61	12,877.89	6,909.52	168.58	175.37	87.60	-1,203.26	5,877.83	2,384.44	2,040.92	343.52	6.941		
12,800.00	7,010.64	12,977.88	6,909.78	171.38	178.18	87.58	-1,203.12	5,977.82	2,385.68	2,036.56	349.12	6.833		
12,900.00	7,011.67	13,077.87	6,910.05	174.18	180.99	87.57	-1,202.99	6,077.80	2,386.93	2,032.21	354.72	6.729		
13,000.00	7,012.70	13,177.86	6,910.31	176.98	183.80	87.55	-1,202.86	6,177.79	2,388.17	2,027.85	360.33	6.628		
13,100.00	7,013.73	13,277.85	6,910.57	179.78	186.61	87.53	-1,202.73	6,277.78	2,389.42	2,023.48	365.93	6.530		
13,200.00	7,014.76	13,377.84	6,910.83	182.59	189.43	87.52	-1,202.60	6,377.77	2,390.66	2,019.12	371.54	6.434		
13,300.00	7,015.79	13,477.83	6,911.09	185.39	192.24	87.50	-1,202.46	6,477.76	2,391.91	2,014.75	377.16	6.342		
13,400.00	7,016.82	13,577.82	6,911.36	188.20	195.06	87.48	-1,202.33	6,577.75	2,393.15	2,010.38	382.77	6.252		
13,500.00	7,017.85	13,677.80	6,911.62	191.01	197.88	87.46	-1,202.20	6,677.74	2,394.40	2,006.01	388.39	6.165		
13,600.00	7,018.88	13,777.79	6,911.88	193.82	200.70	87.45	-1,202.07	6,777.73	2,395.65	2,001.64	394.01	6.080		
13,700.00	7,019.91	13,877.78	6,912.14	196.63	203.52	87.43	-1,201.94	6,877.72	2,396.89	1,997.27	399.63	5.998		
13,800.00	7,020.95	13,977.77	6,912.40	199.44	206.34	87.41	-1,201.80	6,977.71	2,398.14	1,992.89	405.25	5.918		
13,900.00	7,021.98	14,077.76	6,912.67	202.26	209.16	87.40	-1,201.67	7,077.70	2,399.38	1,988.51	410.87	5.840		
14,000.00	7,023.01	14,177.75	6,912.93	205.07	211.98	87.38	-1,201.54	7,177.69	2,400.63	1,984.13	416.50	5.764		
14,100.00	7,024.04	14,277.74	6,913.19	207.89	214.80	87.36	-1,201.41	7,277.68	2,401.88	1,979.75	422.13	5.690		
14,200.00	7,025.07	14,377.73	6,913.45	210.70	217.63	87.34	-1,201.28	7,377.67	2,403.13	1,975.37	427.75	5.618		
14,300.00	7,026.10	14,477.72	6,913.71	213.52	220.45	87.33	-1,201.14	7,477.65	2,404.37	1,970.99	433.38	5.548		
14,400.00	7,027.13	14,577.71	6,913.98	216.34	223.28	87.31	-1,201.01	7,577.64	2,405.62	1,966.60	439.02	5.480		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,500.00	7,028.16	14,677.70	6,914.24	219.16	226.10	87.29	-1,200.88	7,677.63	2,406.87	1,962.22	444.65	5.413		
14,600.00	7,029.19	14,777.69	6,914.50	221.98	228.93	87.28	-1,200.75	7,777.62	2,408.12	1,957.83	450.28	5.348		
14,700.00	7,030.22	14,877.68	6,914.76	224.80	231.76	87.26	-1,200.62	7,877.61	2,409.36	1,953.44	455.92	5.285		
14,800.00	7,031.26	14,977.67	6,915.03	227.62	234.59	87.24	-1,200.48	7,977.60	2,410.61	1,949.06	461.56	5.223		
14,900.00	7,032.29	15,077.66	6,915.29	230.44	237.41	87.23	-1,200.35	8,077.59	2,411.86	1,944.67	467.20	5.162		
15,000.00	7,033.32	15,177.65	6,915.55	233.26	240.24	87.21	-1,200.22	8,177.58	2,413.11	1,940.28	472.83	5.103		
15,100.00	7,034.35	15,277.64	6,915.81	236.09	243.07	87.19	-1,200.09	8,277.57	2,414.36	1,935.88	478.48	5.046		
15,200.00	7,035.38	15,377.63	6,916.07	238.91	245.90	87.18	-1,199.96	8,377.56	2,415.61	1,931.49	484.12	4.990		
15,300.00	7,036.41	15,477.62	6,916.34	241.74	248.74	87.16	-1,199.82	8,477.55	2,416.86	1,927.10	489.76	4.935		
15,400.00	7,037.44	15,577.61	6,916.60	244.56	251.57	87.14	-1,199.69	8,577.54	2,418.11	1,922.71	495.40	4.881		
15,500.00	7,038.47	15,677.60	6,916.86	247.39	254.40	87.13	-1,199.56	8,677.53	2,419.36	1,918.31	501.05	4.829		
15,600.00	7,039.50	15,777.59	6,917.12	250.21	257.23	87.11	-1,199.43	8,777.52	2,420.61	1,913.92	506.69	4.777		
15,700.00	7,040.53	15,877.58	6,917.38	253.04	260.07	87.09	-1,199.30	8,877.50	2,421.86	1,909.52	512.34	4.727		
15,800.00	7,041.57	15,977.57	6,917.65	255.87	262.90	87.08	-1,199.16	8,977.49	2,423.11	1,905.13	517.98	4.678		
15,900.00	7,042.60	16,077.56	6,917.91	258.70	265.73	87.06	-1,199.03	9,077.48	2,424.36	1,900.73	523.63	4.630		
16,000.00	7,043.63	16,177.55	6,918.17	261.53	268.57	87.04	-1,198.90	9,177.47	2,425.61	1,896.33	529.28	4.583		
16,100.00	7,044.66	16,277.54	6,918.43	264.35	271.40	87.03	-1,198.77	9,277.46	2,426.86	1,891.93	534.93	4.537		
16,200.00	7,045.69	16,377.53	6,918.69	267.18	274.24	87.01	-1,198.64	9,377.45	2,428.11	1,887.54	540.58	4.492		
16,300.00	7,046.72	16,477.52	6,918.96	270.01	277.07	86.99	-1,198.50	9,477.44	2,429.36	1,883.14	546.23	4.448		
16,400.00	7,047.75	16,577.51	6,919.22	272.84	279.91	86.98	-1,198.37	9,577.43	2,430.62	1,878.74	551.88	4.404		
16,500.00	7,048.78	16,677.50	6,919.48	275.67	282.75	86.96	-1,198.24	9,677.42	2,431.87	1,874.34	557.53	4.362		
16,600.00	7,049.81	16,777.49	6,919.74	278.51	285.58	86.94	-1,198.11	9,777.41	2,433.12	1,869.94	563.18	4.320		
16,700.00	7,050.84	16,877.47	6,920.00	281.34	288.42	86.93	-1,197.98	9,877.40	2,434.37	1,865.54	568.83	4.280		
16,800.00	7,051.88	16,977.46	6,920.27	284.17	291.26	86.91	-1,197.84	9,977.39	2,435.63	1,861.14	574.48	4.240		
16,900.00	7,052.91	17,077.45	6,920.53	287.00	294.09	86.89	-1,197.71	10,077.38	2,436.88	1,856.74	580.14	4.201		
17,000.00	7,053.94	17,177.44	6,920.79	289.83	296.93	86.88	-1,197.58	10,177.36	2,438.13	1,852.34	585.79	4.162		
17,100.00	7,054.97	17,277.43	6,921.05	292.67	299.77	86.86	-1,197.45	10,277.35	2,439.38	1,847.94	591.45	4.124		
17,200.00	7,056.00	17,377.42	6,921.31	295.50	302.61	86.84	-1,197.32	10,377.34	2,440.64	1,843.54	597.10	4.087		
17,300.00	7,057.03	17,477.41	6,921.58	298.33	305.45	86.83	-1,197.18	10,477.33	2,441.89	1,839.14	602.76	4.051		
17,400.00	7,058.06	17,577.40	6,921.84	301.17	308.29	86.81	-1,197.05	10,577.32	2,443.14	1,834.73	608.41	4.016		
17,500.00	7,059.09	17,638.91	6,922.00	304.00	310.03	86.80	-1,196.97	10,638.82	2,444.70	1,831.87	612.83	3.989		
17,600.00	7,060.12	17,638.91	6,922.00	306.84	310.03	86.80	-1,196.97	10,638.82	2,449.57	1,834.99	614.58	3.986 SF		
17,685.09	7,061.00	17,638.91	6,922.00	309.25	310.03	86.80	-1,196.97	10,638.82	2,456.91	1,841.65	615.26	3.993		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.32	-44.81	-4.45	45.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.32	-44.81	-4.45	45.03	38.46	6.57	6.854		
200.00	200.00	200.00	200.00	3.34	3.34	-174.32	-44.81	-4.45	45.03	38.36	6.67	6.747 CC, ES		
300.00	299.98	301.22	301.20	3.45	3.45	-173.17	-43.53	-3.20	45.40	38.50	6.90	6.582		
400.00	399.84	402.32	402.15	3.61	3.61	-178.21	-39.72	0.55	46.75	39.52	7.23	6.466		
500.00	499.45	503.17	502.60	3.82	3.82	174.13	-33.38	6.78	49.74	42.09	7.65	6.500		
600.00	598.70	603.66	602.32	4.07	4.07	165.06	-24.57	15.45	55.18	47.03	8.15	6.774		
680.00	677.76	683.71	681.42	4.29	4.30	157.74	-15.76	24.11	61.75	53.17	8.59	7.191		
700.00	697.48	703.68	701.09	4.35	4.36	155.97	-13.32	26.51	63.67	54.97	8.71	7.314		
800.00	796.08	803.19	798.75	4.66	4.67	147.01	0.30	39.91	73.63	64.32	9.32	7.902		
900.00	894.68	901.99	895.26	4.98	5.01	138.87	15.34	54.70	84.84	74.86	9.99	8.497		
1,000.00	993.28	1,000.72	991.71	5.34	5.38	132.69	30.40	69.50	97.35	86.66	10.70	9.100		
1,100.00	1,091.88	1,100.55	1,088.16	5.71	5.77	127.94	45.46	84.31	110.73	99.28	11.45	9.670		
1,200.00	1,190.48	1,201.82	1,184.60	6.10	6.18	124.23	60.51	99.12	124.70	112.46	12.24	10.190		
1,300.00	1,289.07	1,303.09	1,281.05	6.49	6.61	121.28	75.57	113.92	139.07	126.03	13.04	10.661		
1,400.00	1,387.67	1,404.35	1,377.50	6.90	7.05	118.88	90.63	128.73	153.75	139.88	13.87	11.084		
1,500.00	1,486.27	1,505.62	1,473.94	7.31	7.49	116.90	105.68	143.54	168.64	153.93	14.71	11.462		
1,600.00	1,584.87	1,606.89	1,570.39	7.73	7.94	115.24	120.74	158.34	183.70	168.13	15.57	11.800		
1,700.00	1,683.47	1,708.16	1,666.84	8.16	8.40	113.83	135.80	173.15	198.88	182.45	16.43	12.102		
1,800.00	1,782.07	1,809.43	1,763.28	8.59	8.87	112.63	150.85	187.96	214.16	196.86	17.31	12.373		
1,900.00	1,880.67	1,889.30	1,859.73	9.02	9.23	111.58	165.91	202.76	229.53	211.44	18.09	12.686		
2,000.00	1,979.27	1,988.03	1,956.18	9.46	9.69	110.66	180.96	217.57	244.96	225.99	18.97	12.912		
2,100.00	2,077.87	2,086.76	2,052.62	9.90	10.16	109.86	196.02	232.37	260.45	240.59	19.85	13.118		
2,200.00	2,176.47	2,185.50	2,149.07	10.35	10.62	109.14	211.08	247.18	275.98	255.23	20.74	13.305		
2,300.00	2,275.07	2,284.23	2,245.52	10.79	11.09	108.50	226.13	261.99	291.54	269.91	21.64	13.475		
2,400.00	2,373.67	2,382.96	2,341.96	11.24	11.56	107.93	241.19	276.79	307.14	284.61	22.53	13.631		
2,500.00	2,472.27	2,481.69	2,438.41	11.69	12.03	107.41	256.25	291.60	322.77	299.33	23.43	13.774		
2,600.00	2,570.87	2,580.42	2,534.86	12.14	12.50	106.94	271.30	306.41	338.42	314.08	24.34	13.905		
2,700.00	2,669.47	2,679.15	2,631.30	12.59	12.97	106.51	286.36	321.21	354.09	328.84	25.24	14.026		
2,800.00	2,768.07	2,777.88	2,727.75	13.04	13.45	106.12	301.42	336.02	369.77	343.62	26.15	14.138		
2,900.00	2,866.67	2,876.62	2,824.20	13.50	13.93	105.76	316.47	350.83	385.48	358.41	27.07	14.242		
3,000.00	2,965.27	2,975.35	2,920.64	13.95	14.41	105.42	331.53	365.63	401.20	373.22	27.98	14.339		
3,100.00	3,063.87	3,074.08	3,017.09	14.41	14.88	105.12	346.59	380.44	416.92	388.03	28.90	14.429		
3,200.00	3,162.47	3,172.81	3,113.54	14.87	15.36	104.83	361.64	395.24	432.66	402.85	29.81	14.513		
3,300.00	3,261.07	3,271.54	3,209.98	15.32	15.84	104.57	376.70	410.05	448.41	417.68	30.73	14.591		
3,400.00	3,359.67	3,370.27	3,306.43	15.78	16.33	104.32	391.76	424.86	464.17	432.52	31.65	14.665		
3,500.00	3,458.27	3,469.00	3,402.88	16.24	16.81	104.09	406.81	439.66	479.94	447.37	32.57	14.734		
3,600.00	3,556.87	3,567.74	3,499.32	16.70	17.29	103.87	421.87	454.47	495.71	462.22	33.50	14.799		
3,700.00	3,655.47	3,666.47	3,595.77	17.16	17.77	103.67	436.93	469.28	511.49	477.07	34.42	14.860		
3,800.00	3,754.06	3,765.20	3,692.22	17.62	18.26	103.48	451.98	484.08	527.28	491.93	35.35	14.917		
3,900.00	3,852.66	3,863.93	3,788.66	18.08	18.74	103.30	467.04	498.89	543.07	506.80	36.27	14.972		
4,000.00	3,951.26	3,962.66	3,885.11	18.54	19.22	103.13	482.09	513.69	558.87	521.67	37.20	15.023		
4,100.00	4,049.86	4,061.39	3,981.56	19.01	19.71	102.97	497.15	528.50	574.67	536.54	38.13	15.072		
4,200.00	4,148.46	4,160.12	4,078.00	19.47	20.19	102.82	512.21	543.31	590.47	551.42	39.06	15.119		
4,300.00	4,247.06	4,258.85	4,174.45	19.93	20.68	102.67	527.26	558.11	606.28	566.30	39.99	15.163		
4,400.00	4,345.66	4,357.59	4,270.90	20.39	21.17	102.54	542.32	572.92	622.09	581.18	40.92	15.204		
4,500.00	4,444.26	4,456.32	4,367.34	20.86	21.65	102.41	557.38	587.73	637.91	596.06	41.85	15.244		
4,600.00	4,542.86	4,555.05	4,463.79	21.32	22.14	102.28	572.43	602.53	653.73	610.95	42.78	15.282		
4,700.00	4,641.46	4,653.78	4,560.24	21.78	22.63	102.16	587.49	617.34	669.55	625.84	43.71	15.318		
4,800.00	4,740.06	4,752.51	4,656.68	22.25	23.11	102.05	602.55	632.15	685.37	640.73	44.64	15.353		
4,900.00	4,838.66	4,851.24	4,753.13	22.71	23.60	101.94	617.60	646.95	701.20	655.63	45.57	15.386		
5,000.00	4,937.26	4,949.97	4,849.58	23.18	24.09	101.84	632.66	661.76	717.03	670.52	46.51	15.418		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	5,048.71	4,946.02	23.64	24.57	101.74	647.72	676.56	732.86	685.42	47.44	15.448		
5,200.00	5,134.46	5,147.44	5,042.47	24.11	25.06	101.65	662.77	691.37	748.69	700.32	48.38	15.477		
5,300.00	5,233.06	5,246.17	5,138.92	24.57	25.55	101.56	677.83	706.18	764.53	715.22	49.31	15.505		
5,400.00	5,331.66	5,344.90	5,235.36	25.04	26.04	101.47	692.89	720.98	780.36	730.12	50.24	15.531		
5,500.00	5,430.26	5,443.63	5,331.81	25.50	26.53	101.39	707.94	735.79	796.20	745.02	51.18	15.557		
5,600.00	5,528.86	5,542.36	5,428.26	25.97	27.02	101.31	723.00	750.60	812.04	759.93	52.11	15.582		
5,700.00	5,627.46	5,641.09	5,524.70	26.43	27.50	101.24	738.06	765.40	827.88	774.83	53.05	15.606		
5,800.00	5,726.06	5,739.83	5,621.15	26.90	27.99	101.16	753.11	780.21	843.73	789.74	53.99	15.628		
5,900.00	5,824.66	5,838.56	5,717.60	27.36	28.48	101.09	768.17	795.01	859.57	804.65	54.92	15.650		
6,000.00	5,923.26	5,937.29	5,814.04	27.83	28.97	101.02	783.22	809.82	875.42	819.56	55.86	15.672		
6,100.00	6,021.86	6,036.02	5,910.49	28.30	29.46	100.96	798.28	824.63	891.26	834.46	56.80	15.692		
6,200.00	6,120.46	6,134.75	6,006.94	28.76	29.95	100.89	813.34	839.43	907.11	849.38	57.73	15.712		
6,300.00	6,219.06	7,957.29	7,122.22	29.23	42.84	-177.37	946.43	-56.20	903.68	883.66	20.01	45.155		
6,405.66	6,323.24	7,956.57	7,122.22	29.72	42.83	-177.60	946.46	-55.48	800.40	779.04	21.35	37.485		
6,450.00	6,366.93	7,954.73	7,122.24	29.93	42.80	175.53	946.53	-53.63	757.29	735.27	22.03	34.379		
6,500.00	6,415.96	7,948.95	7,122.29	30.15	42.70	169.56	946.76	-47.87	709.12	686.25	22.86	31.014		
6,550.00	6,464.44	7,939.31	7,122.38	30.37	42.54	166.29	947.15	-38.23	661.72	637.92	23.80	27.807		
6,600.00	6,512.08	7,925.84	7,122.49	30.58	42.32	164.46	947.68	-24.77	615.42	590.57	24.85	24.767		
6,650.00	6,558.58	7,908.64	7,122.65	30.78	42.04	163.19	948.36	-7.59	570.53	544.49	26.04	21.910		
6,700.00	6,603.65	7,887.82	7,122.83	30.97	41.72	162.09	949.19	13.22	527.38	499.99	27.39	19.251		
6,750.00	6,647.02	7,863.49	7,123.04	31.15	41.35	160.96	950.16	37.53	486.27	457.33	28.93	16.806		
6,800.00	6,688.42	7,835.81	7,123.28	31.31	40.94	159.72	951.26	65.18	447.48	416.82	30.67	14.591		
6,850.00	6,727.59	7,804.96	7,123.55	31.46	40.47	158.34	952.48	96.01	411.30	378.70	32.60	12.615		
6,900.00	6,764.29	7,771.11	7,123.85	31.60	40.01	156.79	953.83	129.83	377.97	343.22	34.74	10.879		
6,950.00	6,798.30	7,734.49	7,124.17	31.73	39.52	155.07	955.28	166.42	347.69	310.64	37.05	9.384		
7,000.00	6,829.41	7,704.69	7,124.52	31.84	39.12	153.20	956.84	205.57	320.65	281.09	39.56	8.105		
7,050.00	6,857.42	7,653.82	7,124.88	32.03	38.50	151.21	958.49	247.03	296.94	254.95	41.99	7.072		
7,100.00	6,882.16	7,594.73	7,123.83	32.36	37.82	147.94	960.60	306.06	275.77	231.47	44.30	6.225		
7,150.00	6,903.48	7,531.79	7,116.93	32.73	37.15	143.77	961.97	368.57	254.75	207.31	47.44	5.370		
7,200.00	6,921.25	7,473.17	7,105.04	33.15	36.58	139.15	962.39	425.95	234.23	182.87	51.36	4.561		
7,250.00	6,935.36	7,418.25	7,089.21	33.61	36.09	134.00	962.03	478.52	214.80	159.08	55.72	3.855		
7,300.00	6,945.72	7,366.47	7,070.24	34.11	35.67	128.25	961.03	526.68	197.10	136.91	60.19	3.274		
7,350.00	6,952.26	7,317.38	7,048.74	34.65	35.32	121.85	959.50	570.77	181.84	117.42	64.42	2.823		
7,403.14	6,955.00	7,267.72	7,023.65	35.26	35.00	114.35	957.38	613.56	169.11	100.96	68.15	2.482		
7,500.00	6,955.99	7,187.15	6,976.18	36.49	34.55	97.35	952.74	678.43	157.74	86.43	71.31	2.212 SF		
7,503.17	6,956.03	7,184.76	6,974.66	36.54	34.53	96.78	952.58	680.25	157.73	86.43	71.30	2.212		
7,600.00	6,957.03	7,118.95	6,929.96	37.93	34.22	80.70	947.71	728.27	171.54	104.11	67.44	2.544		
7,700.00	6,958.06	7,063.37	6,888.58	39.52	33.98	67.80	942.91	765.05	213.27	151.91	61.35	3.476		
7,800.00	6,959.09	7,017.84	6,852.44	41.25	33.80	58.69	938.53	792.37	274.37	216.38	57.99	4.732		
7,900.00	6,960.12	6,980.22	6,821.19	43.09	33.65	52.32	934.63	812.93	346.99	290.04	56.95	6.093		
8,000.00	6,961.15	6,950.00	6,795.26	45.04	33.54	47.94	931.32	828.09	426.61	369.53	57.08	7.474		
8,100.00	6,962.18	6,922.35	6,770.94	47.08	33.44	44.46	928.15	840.85	510.75	453.32	57.43	8.893		
8,200.00	6,963.21	6,900.00	6,750.90	49.20	33.36	41.96	925.51	850.39	598.02	540.02	58.00	10.311		
8,300.00	6,964.24	6,880.39	6,733.06	51.39	33.29	39.98	923.13	858.16	687.54	629.01	58.54	11.745		
8,400.00	6,965.27	6,863.55	6,717.55	53.64	33.23	38.42	921.04	864.40	778.75	719.71	59.05	13.189		
8,500.00	6,966.30	6,850.00	6,704.97	55.95	33.18	37.25	919.33	869.11	871.27	811.73	59.54	14.634		
8,600.00	6,967.33	6,835.84	6,691.71	58.30	33.13	36.11	917.52	873.75	964.81	904.90	59.90	16.106		
8,700.00	6,968.37	6,824.32	6,680.85	60.70	33.09	35.24	916.02	877.30	1,059.17	998.92	60.26	17.578		
8,800.00	6,969.40	6,800.00	6,657.74	63.14	33.04	33.54	912.81	884.14	1,154.46	1,094.17	60.28	19.151		
8,900.00	6,970.43	6,800.00	6,657.74	65.60	33.01	33.54	912.81	884.14	1,249.85	1,189.09	60.76	20.570		
9,000.00	6,971.46	6,800.00	6,657.74	68.10	33.01	33.54	912.81	884.14	1,345.91	1,284.75	61.16	22.008		
9,100.00	6,972.49	6,800.00	6,657.74	70.63	33.01	33.54	912.81	884.14	1,442.51	1,381.02	61.49	23.460		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	6,782.05	6,640.53	73.18	32.94	32.40	910.40	888.62	1,539.18	1,477.66	61.52	25.019		
9,300.00	6,974.55	6,775.77	6,634.47	75.75	32.92	32.03	909.55	890.07	1,636.29	1,574.59	61.70	26.519		
9,400.00	6,975.58	6,770.00	6,628.90	78.34	32.90	31.69	908.76	891.35	1,733.65	1,671.78	61.87	28.021		
9,500.00	6,976.61	6,750.00	6,609.51	80.94	32.83	30.58	906.00	895.39	1,831.46	1,769.61	61.86	29.608		
9,600.00	6,977.64	6,750.00	6,609.51	83.56	32.83	30.58	906.00	895.39	1,929.11	1,867.05	62.06	31.083		
9,700.00	6,978.68	6,750.00	6,609.51	86.20	32.83	30.58	906.00	895.39	2,026.99	1,964.74	62.25	32.563		
9,800.00	6,979.71	6,750.00	6,609.51	88.85	32.83	30.58	906.00	895.39	2,125.07	2,062.65	62.42	34.047		
9,900.00	6,980.74	6,750.00	6,609.51	91.51	32.83	30.58	906.00	895.39	2,223.32	2,160.75	62.57	35.534		
10,000.00	6,981.77	6,750.00	6,609.51	94.19	32.83	30.58	906.00	895.39	2,321.72	2,259.01	62.71	37.023		
10,100.00	6,982.80	6,750.00	6,609.51	96.87	32.83	30.58	906.00	895.39	2,420.24	2,357.40	62.84	38.514		
10,200.00	6,983.83	6,750.00	6,609.51	99.56	32.83	30.58	906.00	895.39	2,518.89	2,455.93	62.96	40.005		
10,300.00	6,984.86	6,750.00	6,609.51	102.27	32.83	30.58	906.00	895.39	2,617.64	2,554.56	63.08	41.498		
10,400.00	6,985.89	6,750.00	6,609.51	104.98	32.83	30.58	906.00	895.39	2,716.48	2,653.29	63.19	42.990		
10,500.00	6,986.92	6,728.25	6,588.30	107.69	32.75	29.49	902.96	899.09	2,814.94	2,751.81	63.14	44.586		
10,600.00	6,987.95	6,725.73	6,585.83	110.41	32.74	29.36	902.60	899.47	2,913.83	2,850.61	63.22	46.088		
10,700.00	6,988.99	6,723.33	6,583.49	113.14	32.73	29.25	902.26	899.82	3,012.78	2,949.47	63.31	47.589		
10,800.00	6,990.02	6,721.07	6,581.27	115.88	32.72	29.14	901.94	900.15	3,111.79	3,048.39	63.39	49.088		
10,900.00	6,991.05	6,700.00	6,560.58	118.62	32.64	28.20	898.94	902.79	3,211.18	3,147.83	63.35	50.688		
11,000.00	6,992.08	6,700.00	6,560.58	121.37	32.64	28.20	898.94	902.79	3,310.22	3,246.77	63.45	52.172		
11,100.00	6,993.11	6,700.00	6,560.58	124.12	32.64	28.20	898.94	902.79	3,409.31	3,345.77	63.54	53.655		
11,200.00	6,994.14	6,700.00	6,560.58	126.87	32.64	28.20	898.94	902.79	3,508.46	3,444.82	63.63	55.136		
11,300.00	6,995.17	6,700.00	6,560.58	129.63	32.64	28.20	898.94	902.79	3,607.65	3,543.93	63.72	56.616		
11,400.00	6,996.20	6,700.00	6,560.58	132.39	32.64	28.20	898.94	902.79	3,706.89	3,643.08	63.81	58.093		
11,500.00	6,997.23	6,700.00	6,560.58	135.16	32.64	28.20	898.94	902.79	3,806.16	3,742.27	63.89	59.569		
11,600.00	6,998.26	6,700.00	6,560.58	137.93	32.64	28.20	898.94	902.79	3,905.47	3,841.49	63.98	61.042		
11,700.00	6,999.30	6,700.00	6,560.58	140.70	32.64	28.20	898.94	902.79	4,004.82	3,940.76	64.06	62.514		
11,800.00	7,000.33	6,700.00	6,560.58	143.48	32.64	28.20	898.94	902.79	4,104.20	4,040.05	64.15	63.982		
11,900.00	7,001.36	6,700.00	6,560.58	146.26	32.64	28.20	898.94	902.79	4,203.61	4,139.38	64.23	65.448		
12,000.00	7,002.39	6,700.00	6,560.58	149.04	32.64	28.20	898.94	902.79	4,303.04	4,238.73	64.31	66.911		
12,100.00	7,003.42	6,700.00	6,560.58	151.82	32.64	28.20	898.94	902.79	4,402.50	4,338.11	64.39	68.372		
12,200.00	7,004.45	6,700.00	6,560.58	154.61	32.64	28.20	898.94	902.79	4,501.99	4,437.52	64.47	69.830		
12,300.00	7,005.48	6,700.00	6,560.58	157.40	32.64	28.20	898.94	902.79	4,601.50	4,536.94	64.55	71.284		
12,400.00	7,006.51	6,700.00	6,560.58	160.19	32.64	28.20	898.94	902.79	4,701.02	4,636.39	64.63	72.736		
12,500.00	7,007.54	6,700.00	6,560.58	162.98	32.64	28.20	898.94	902.79	4,800.57	4,735.86	64.71	74.184		
12,600.00	7,008.57	6,700.00	6,560.58	165.78	32.64	28.20	898.94	902.79	4,900.14	4,835.35	64.79	75.629		
12,700.00	7,009.61	6,700.00	6,560.58	168.58	32.64	28.20	898.94	902.79	4,999.72	4,934.85	64.87	77.070		
12,800.00	7,010.64	6,700.00	6,560.58	171.38	32.64	28.20	898.94	902.79	5,099.32	5,034.37	64.95	78.509		
12,900.00	7,011.67	6,700.00	6,560.58	174.18	32.64	28.20	898.94	902.79	5,198.94	5,133.90	65.03	79.943		
13,000.00	7,012.70	6,700.00	6,560.58	176.98	32.64	28.20	898.94	902.79	5,298.57	5,233.45	65.11	81.374		
13,100.00	7,013.73	6,700.00	6,560.58	179.78	32.64	28.20	898.94	902.79	5,398.21	5,333.02	65.19	82.802		
13,200.00	7,014.76	6,700.00	6,560.58	182.59	32.64	28.20	898.94	902.79	5,497.87	5,432.59	65.28	84.225		
13,300.00	7,015.79	6,700.00	6,560.58	185.39	32.64	28.20	898.94	902.79	5,597.53	5,532.18	65.36	85.645		
13,400.00	7,016.82	6,700.00	6,560.58	188.20	32.64	28.20	898.94	902.79	5,697.21	5,631.78	65.44	87.061		
13,500.00	7,017.85	6,700.00	6,560.58	191.01	32.64	28.20	898.94	902.79	5,796.91	5,731.38	65.52	88.474		
13,600.00	7,018.88	6,700.00	6,560.58	193.82	32.64	28.20	898.94	902.79	5,896.61	5,831.00	65.60	89.882		
13,700.00	7,019.91	6,700.00	6,560.58	196.63	32.64	28.20	898.94	902.79	5,996.32	5,930.63	65.69	91.286		
13,800.00	7,020.95	6,700.00	6,560.58	199.44	32.64	28.20	898.94	902.79	6,096.04	6,030.27	65.77	92.686		
13,900.00	7,021.98	6,700.00	6,560.58	202.26	32.64	28.20	898.94	902.79	6,195.77	6,129.92	65.85	94.082		
14,000.00	7,023.01	6,700.00	6,560.58	205.07	32.64	28.20	898.94	902.79	6,295.51	6,229.57	65.94	95.474		
14,100.00	7,024.04	6,700.00	6,560.58	207.89	32.64	28.20	898.94	902.79	6,395.26	6,329.23	66.02	96.862		
14,200.00	7,025.07	6,700.00	6,560.58	210.70	32.64	28.20	898.94	902.79	6,495.01	6,428.90	66.11	98.245		
14,300.00	7,026.10	6,700.00	6,560.58	213.52	32.64	28.20	898.94	902.79	6,594.77	6,528.58	66.20	99.625		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	6,700.00	6,560.58	216.34	32.64	28.20	898.94	902.79	6,694.54	6,628.26	66.28	100.999		
14,500.00	7,028.16	6,700.00	6,560.58	219.16	32.64	28.20	898.94	902.79	6,794.32	6,727.95	66.37	102.370		
14,600.00	7,029.19	6,700.00	6,560.58	221.98	32.64	28.20	898.94	902.79	6,894.10	6,827.64	66.46	103.736		
14,700.00	7,030.22	6,700.00	6,560.58	224.80	32.64	28.20	898.94	902.79	6,993.89	6,927.34	66.55	105.098		
14,800.00	7,031.26	6,700.00	6,560.58	227.62	32.64	28.20	898.94	902.79	7,093.68	7,027.05	66.64	106.455		
14,900.00	7,032.29	6,700.00	6,560.58	230.44	32.64	28.20	898.94	902.79	7,193.48	7,126.76	66.73	107.808		
15,000.00	7,033.32	6,677.26	6,538.18	233.26	32.56	27.27	895.65	904.86	7,292.85	7,226.13	66.72	109.303		
15,100.00	7,034.35	6,676.77	6,537.70	236.09	32.55	27.25	895.58	904.90	7,392.64	7,325.83	66.81	110.650		
15,200.00	7,035.38	6,676.30	6,537.23	238.91	32.55	27.23	895.51	904.93	7,492.44	7,425.54	66.90	111.993		
15,300.00	7,036.41	6,675.84	6,536.77	241.74	32.55	27.21	895.44	904.97	7,592.24	7,525.25	66.99	113.332		
15,400.00	7,037.44	6,675.38	6,536.33	244.56	32.55	27.20	895.38	905.00	7,692.05	7,624.96	67.08	114.665		
15,500.00	7,038.47	6,674.94	6,535.89	247.39	32.55	27.18	895.31	905.03	7,791.86	7,724.68	67.17	115.994		
15,600.00	7,039.50	6,674.51	6,535.47	250.21	32.55	27.16	895.25	905.06	7,891.68	7,824.41	67.27	117.318		
15,700.00	7,040.53	6,674.09	6,535.05	253.04	32.54	27.15	895.19	905.09	7,991.50	7,924.14	67.36	118.638		
15,800.00	7,041.57	6,673.68	6,534.65	255.87	32.54	27.13	895.13	905.12	8,091.32	8,023.87	67.45	119.952		
15,900.00	7,042.60	6,673.28	6,534.25	258.70	32.54	27.12	895.07	905.14	8,191.15	8,123.60	67.55	121.262		
16,000.00	7,043.63	6,672.89	6,533.86	261.53	32.54	27.10	895.01	905.17	8,290.98	8,223.34	67.64	122.567		
16,100.00	7,044.66	6,650.00	6,511.25	264.35	32.45	26.26	891.66	906.29	8,391.25	8,323.59	67.65	124.034		
16,200.00	7,045.69	6,650.00	6,511.25	267.18	32.45	26.26	891.66	906.29	8,491.07	8,423.32	67.75	125.327		
16,300.00	7,046.72	6,650.00	6,511.25	270.01	32.45	26.26	891.66	906.29	8,590.90	8,523.05	67.85	126.615		
16,400.00	7,047.75	6,650.00	6,511.25	272.84	32.45	26.26	891.66	906.29	8,690.73	8,622.78	67.95	127.899		
16,500.00	7,048.78	6,650.00	6,511.25	275.67	32.45	26.26	891.66	906.29	8,790.57	8,722.52	68.05	129.178		
16,600.00	7,049.81	6,650.00	6,511.25	278.51	32.45	26.26	891.66	906.29	8,890.41	8,822.26	68.15	130.452		
16,700.00	7,050.84	6,650.00	6,511.25	281.34	32.45	26.26	891.66	906.29	8,990.26	8,922.00	68.25	131.721		
16,800.00	7,051.88	6,650.00	6,511.25	284.17	32.45	26.26	891.66	906.29	9,090.10	9,021.75	68.35	132.985		
16,900.00	7,052.91	6,650.00	6,511.25	287.00	32.45	26.26	891.66	906.29	9,189.96	9,121.50	68.46	134.244		
17,000.00	7,053.94	6,650.00	6,511.25	289.83	32.45	26.26	891.66	906.29	9,289.81	9,221.25	68.56	135.498		
17,100.00	7,054.97	6,650.00	6,511.25	292.67	32.45	26.26	891.66	906.29	9,389.67	9,321.00	68.66	136.747		
17,200.00	7,056.00	6,650.00	6,511.25	295.50	32.45	26.26	891.66	906.29	9,489.53	9,420.76	68.77	137.991		
17,300.00	7,057.03	6,650.00	6,511.25	298.33	32.45	26.26	891.66	906.29	9,589.39	9,520.52	68.87	139.230		
17,400.00	7,058.06	6,650.00	6,511.25	301.17	32.45	26.26	891.66	906.29	9,689.26	9,620.28	68.98	140.465		
17,500.00	7,059.09	6,650.00	6,511.25	304.00	32.45	26.26	891.66	906.29	9,789.13	9,720.04	69.09	141.694		
17,600.00	7,060.12	6,650.00	6,511.25	306.84	32.45	26.26	891.66	906.29	9,889.00	9,819.80	69.19	142.918		
17,685.09	7,061.00	6,650.00	6,511.25	309.25	32.45	26.26	891.66	906.29	9,973.98	9,904.69	69.28	143.956		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.15	-29.87	-3.06	30.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.15	-29.87	-3.06	30.03	23.46	6.57	4.571		
200.00	200.00	200.00	200.00	3.34	3.34	-174.15	-29.87	-3.06	30.03	23.36	6.67	4.499 CC, ES		
300.00	299.98	299.98	299.98	3.45	3.44	-171.72	-29.87	-3.06	31.76	24.86	6.89	4.609		
400.00	399.84	400.97	400.95	3.61	3.61	-174.15	-28.33	-2.17	35.37	28.15	7.22	4.900		
500.00	499.45	501.98	501.81	3.82	3.81	-179.00	-23.72	0.51	39.48	31.84	7.65	5.165		
600.00	598.70	602.81	602.25	4.07	4.06	174.53	-16.12	5.06	44.58	36.43	8.15	5.470		
680.00	677.76	683.23	682.09	4.29	4.28	168.48	-8.19	10.38	50.01	41.42	8.59	5.819		
700.00	697.48	703.30	701.98	4.35	4.34	166.91	-5.96	11.96	51.54	42.83	8.71	5.916		
800.00	796.08	803.55	800.99	4.66	4.65	158.44	6.67	21.26	58.86	49.54	9.32	6.316		
900.00	894.68	903.39	899.00	4.98	4.98	149.08	21.72	32.91	66.31	56.34	9.97	6.649		
1,000.00	993.28	1,002.59	995.66	5.34	5.34	139.17	39.08	46.84	74.91	64.24	10.67	7.021		
1,100.00	1,091.88	1,101.14	1,091.04	5.71	5.72	129.67	58.25	62.54	85.56	74.15	11.41	7.499		
1,200.00	1,190.48	1,200.36	1,186.32	6.10	6.13	122.26	77.57	78.40	98.09	85.90	12.19	8.047		
1,300.00	1,289.07	1,301.86	1,281.60	6.49	6.56	116.58	96.90	94.25	111.88	98.88	13.00	8.603		
1,400.00	1,387.67	1,403.35	1,376.88	6.90	7.01	112.17	116.22	110.11	126.52	112.68	13.84	9.142		
1,500.00	1,486.27	1,504.85	1,472.16	7.31	7.47	108.68	135.54	125.97	141.74	127.05	14.69	9.650		
1,600.00	1,584.87	1,606.34	1,567.44	7.73	7.93	105.87	154.87	141.82	157.38	141.83	15.55	10.120		
1,700.00	1,683.47	1,707.84	1,662.72	8.16	8.41	103.57	174.19	157.68	173.32	156.89	16.43	10.551		
1,800.00	1,782.07	1,809.34	1,758.00	8.59	8.89	101.67	193.51	173.53	189.48	172.17	17.31	10.947		
1,900.00	1,880.67	1,889.17	1,853.28	9.02	9.27	100.06	212.84	189.39	205.82	187.72	18.10	11.371		
2,000.00	1,979.27	1,987.67	1,948.56	9.46	9.75	98.69	232.16	205.24	222.30	203.31	18.99	11.709		
2,100.00	2,077.87	2,086.17	2,043.84	9.90	10.23	97.50	251.48	221.10	238.88	219.01	19.88	12.018		
2,200.00	2,176.47	2,184.68	2,139.11	10.35	10.71	96.47	270.81	236.95	255.55	234.78	20.77	12.302		
2,300.00	2,275.07	2,283.18	2,234.39	10.79	11.19	95.57	290.13	252.81	272.29	250.61	21.67	12.562		
2,400.00	2,373.67	2,381.69	2,329.67	11.24	11.68	94.77	309.46	268.67	289.09	266.51	22.58	12.802		
2,500.00	2,472.27	2,480.19	2,424.95	11.69	12.17	94.06	328.78	284.52	305.93	282.44	23.49	13.024		
2,600.00	2,570.87	2,578.69	2,520.23	12.14	12.66	93.43	348.10	300.38	322.82	298.42	24.40	13.228		
2,700.00	2,669.47	2,677.20	2,615.51	12.59	13.16	92.85	367.43	316.23	339.74	314.42	25.32	13.418		
2,800.00	2,768.07	2,775.70	2,710.79	13.04	13.65	92.34	386.75	332.09	356.69	330.45	26.24	13.594		
2,900.00	2,866.67	2,874.20	2,806.07	13.50	14.15	91.86	406.07	347.94	373.67	346.51	27.16	13.758		
3,000.00	2,965.27	2,972.71	2,901.35	13.95	14.65	91.43	425.40	363.80	390.67	362.59	28.08	13.910		
3,100.00	3,063.87	3,071.21	2,996.63	14.41	15.15	91.04	444.72	379.66	407.69	378.68	29.01	14.053		
3,200.00	3,162.47	3,169.72	3,091.91	14.87	15.65	90.68	464.04	395.51	424.73	394.79	29.94	14.187		
3,300.00	3,261.07	3,268.22	3,187.19	15.32	16.15	90.34	483.37	411.37	441.78	410.91	30.87	14.312		
3,400.00	3,359.67	3,366.72	3,282.47	15.78	16.65	90.03	502.69	427.22	458.84	427.05	31.80	14.429		
3,500.00	3,458.27	3,465.23	3,377.75	16.24	17.15	89.74	522.02	443.08	475.92	443.19	32.73	14.540		
3,600.00	3,556.87	3,563.73	3,473.03	16.70	17.66	89.47	541.34	458.93	493.01	459.35	33.67	14.644		
3,700.00	3,655.47	3,662.23	3,568.31	17.16	18.16	89.22	560.66	474.79	510.11	475.51	34.60	14.743		
3,800.00	3,754.06	3,760.74	3,663.59	17.62	18.67	88.99	579.99	490.65	527.22	491.68	35.54	14.836		
3,900.00	3,852.66	3,859.24	3,758.87	18.08	19.17	88.77	599.31	506.50	544.33	507.86	36.47	14.924		
4,000.00	3,951.26	3,957.75	3,854.15	18.54	19.68	88.56	618.63	522.36	561.46	524.04	37.41	15.007		
4,100.00	4,049.86	4,056.25	3,949.43	19.01	20.18	88.37	637.96	538.21	578.58	540.23	38.35	15.086		
4,200.00	4,148.46	4,154.75	4,044.70	19.47	20.69	88.19	657.28	554.07	595.72	556.43	39.29	15.161		
4,300.00	4,247.06	4,253.26	4,139.98	19.93	21.20	88.02	676.60	569.92	612.86	572.63	40.23	15.233		
4,400.00	4,345.66	4,351.76	4,235.26	20.39	21.70	87.85	695.93	585.78	630.01	588.83	41.17	15.301		
4,500.00	4,444.26	4,450.26	4,330.54	20.86	22.21	87.70	715.25	601.64	647.16	605.04	42.12	15.366		
4,600.00	4,542.86	4,548.77	4,425.82	21.32	22.72	87.55	734.58	617.49	664.31	621.25	43.06	15.428		
4,700.00	4,641.46	4,647.27	4,521.10	21.78	23.23	87.41	753.90	633.35	681.47	637.47	44.00	15.487		
4,800.00	4,740.06	4,745.78	4,616.38	22.25	23.74	87.28	773.22	649.20	698.63	653.69	44.95	15.543		
4,900.00	4,838.66	4,844.28	4,711.66	22.71	24.25	87.16	792.55	665.06	715.80	669.91	45.89	15.598		
5,000.00	4,937.26	4,942.78	4,806.94	23.18	24.76	87.04	811.87	680.91	732.97	686.13	46.84	15.649		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	5,041.29	4,902.22	23.64	25.27	86.92	831.19	696.77	750.14	702.36	47.78	15.699		
5,200.00	5,134.46	5,139.79	4,997.50	24.11	25.77	86.81	850.52	712.63	767.32	718.59	48.73	15.747		
5,300.00	5,233.06	5,238.29	5,092.78	24.57	26.28	86.71	869.84	728.48	784.49	734.82	49.67	15.793		
5,400.00	5,331.66	5,336.80	5,188.06	25.04	26.79	86.61	889.16	744.34	801.67	751.05	50.62	15.837		
5,500.00	5,430.26	5,435.30	5,283.34	25.50	27.30	86.51	908.49	760.19	818.86	767.29	51.57	15.879		
5,600.00	5,528.86	5,533.81	5,378.62	25.97	27.82	86.42	927.81	776.05	836.04	783.52	52.52	15.920		
5,700.00	5,627.46	5,632.31	5,473.90	26.43	28.33	86.33	947.14	791.90	853.23	799.76	53.46	15.959		
5,800.00	5,726.06	5,730.81	5,569.18	26.90	28.84	86.25	966.46	807.76	870.41	816.00	54.41	15.997		
5,900.00	5,824.66	5,829.32	5,664.46	27.36	29.35	86.17	985.78	823.62	887.60	832.24	55.36	16.033		
6,000.00	5,923.26	5,927.82	5,759.74	27.83	29.86	86.09	1,005.11	839.47	904.80	848.49	56.31	16.068		
6,100.00	6,021.86	6,026.32	5,855.02	28.30	30.37	86.01	1,024.43	855.33	921.99	864.73	57.26	16.102		
6,200.00	6,120.46	7,855.59	6,941.86	28.76	43.37	-3.81	1,195.83	-67.03	854.94	836.51	18.43	46.377		
6,300.00	6,219.06	7,854.77	6,941.87	29.23	43.35	-3.32	1,195.87	-66.20	755.67	736.57	19.10	39.565		
6,405.66	6,323.24	7,853.90	6,941.88	29.72	43.34	-2.81	1,195.91	-65.33	651.02	630.96	20.05	32.465		
6,450.00	6,366.93	7,851.99	6,941.90	29.93	43.31	-47.76	1,195.99	-63.43	607.27	586.72	20.55	29.549		
6,500.00	6,415.96	7,846.15	6,941.95	30.15	43.21	-82.44	1,196.26	-57.59	558.34	537.16	21.19	26.353		
6,550.00	6,464.44	7,836.43	6,942.04	30.37	43.05	-103.25	1,196.71	-47.89	510.18	488.25	21.93	23.262		
6,600.00	6,512.08	7,822.90	6,942.16	30.58	42.82	-115.80	1,197.34	-34.37	463.12	440.29	22.83	20.286		
6,650.00	6,558.58	7,805.64	6,942.32	30.78	42.53	-123.55	1,198.13	-17.13	417.52	393.58	23.94	17.442		
6,700.00	6,603.65	7,784.75	6,942.51	30.97	42.20	-128.31	1,199.10	3.74	373.71	348.37	25.34	14.747		
6,750.00	6,647.02	7,760.37	6,942.73	31.15	41.83	-131.03	1,200.23	28.09	332.07	304.94	27.13	12.240		
6,800.00	6,688.42	7,732.64	6,942.98	31.31	41.40	-132.20	1,201.51	55.79	292.97	263.56	29.41	9.962		
6,850.00	6,727.59	7,701.73	6,943.27	31.46	40.92	-132.07	1,202.93	86.66	256.82	224.52	32.31	7.950		
6,900.00	6,764.29	7,667.84	6,943.58	31.60	40.45	-130.75	1,204.50	120.52	224.05	188.07	35.98	6.227		
6,950.00	6,798.30	7,631.18	6,943.91	31.73	39.94	-128.25	1,206.19	157.14	195.11	154.64	40.47	4.821		
7,000.00	6,829.41	7,608.04	6,944.27	31.84	39.62	-124.57	1,208.00	196.31	170.46	124.54	45.92	3.712		
7,050.00	6,857.42	7,550.44	6,944.65	32.03	38.91	-119.73	1,209.92	237.79	150.50	98.92	51.58	2.918		
7,100.00	6,882.16	7,506.06	6,945.02	32.36	38.37	-113.76	1,211.96	282.12	135.42	78.08	57.34	2.362		
7,150.00	6,903.48	7,456.02	6,943.08	32.73	37.83	-105.61	1,213.80	332.08	124.03	61.24	62.79	1.975		
7,200.00	6,921.25	7,407.91	6,937.59	33.15	37.33	-96.32	1,214.85	379.85	116.20	48.59	67.61	1.719		
7,250.00	6,935.36	7,361.50	6,928.95	33.61	36.88	-86.26	1,215.19	425.44	112.63	42.06	70.57	1.596		
7,264.29	6,938.71	7,348.52	6,925.96	33.75	36.76	-83.32	1,215.17	438.07	112.44	41.48	70.96	1.585 SF		
7,300.00	6,945.72	7,316.60	6,917.52	34.11	36.48	-76.02	1,214.88	468.84	113.58	42.58	71.00	1.600		
7,350.00	6,952.26	7,273.04	6,903.59	34.65	36.13	-66.25	1,214.00	510.10	118.74	49.53	69.21	1.716		
7,403.14	6,955.00	7,228.03	6,886.32	35.26	35.80	-56.91	1,212.47	551.63	127.96	61.99	65.97	1.940		
7,500.00	6,955.99	7,152.05	6,850.81	36.49	35.31	-43.74	1,208.51	618.63	155.34	96.26	59.08	2.629		
7,600.00	6,957.03	7,083.94	6,812.55	37.93	34.95	-33.34	1,203.52	674.71	199.03	145.33	53.71	3.706		
7,700.00	6,958.06	7,025.64	6,775.31	39.52	34.68	-26.03	1,198.22	719.23	255.28	203.80	51.48	4.959		
7,800.00	6,959.09	6,975.95	6,740.54	41.25	34.48	-20.94	1,192.99	754.32	320.76	269.40	51.36	6.246		
7,900.00	6,960.12	6,933.58	6,708.87	43.09	34.32	-17.33	1,188.03	782.01	392.98	340.80	52.18	7.531		
8,000.00	6,961.15	6,900.00	6,682.53	45.04	34.19	-14.86	1,183.79	802.40	470.25	416.72	53.53	8.785		
8,100.00	6,962.18	6,866.16	6,654.97	47.08	34.08	-12.69	1,179.25	821.51	551.32	496.85	54.47	10.121		
8,200.00	6,963.21	6,839.18	6,632.32	49.20	33.98	-11.15	1,175.45	835.66	635.36	579.82	55.54	11.439		
8,300.00	6,964.24	6,815.69	6,612.14	51.39	33.90	-9.94	1,172.02	847.18	721.75	665.25	56.49	12.776		
8,400.00	6,965.27	6,800.00	6,598.44	53.64	33.85	-9.18	1,169.67	854.45	810.04	752.52	57.52	14.083		
8,500.00	6,966.30	6,776.94	6,578.00	55.95	33.78	-8.15	1,166.12	864.51	899.78	841.74	58.04	15.502		
8,600.00	6,967.33	6,750.00	6,553.69	58.30	33.69	-7.05	1,161.85	875.30	990.97	932.64	58.33	16.989		
8,700.00	6,968.37	6,750.00	6,553.69	60.70	33.69	-7.05	1,161.85	875.30	1,082.90	1,023.60	59.31	18.259		
8,800.00	6,969.40	6,733.59	6,538.67	63.14	33.63	-6.43	1,159.18	881.36	1,175.83	1,116.15	59.69	19.700		
8,900.00	6,970.43	6,721.98	6,527.96	65.60	33.59	-6.01	1,157.27	885.41	1,269.52	1,209.41	60.10	21.122		
9,000.00	6,971.46	6,700.00	6,507.49	68.10	33.52	-5.26	1,153.59	892.53	1,363.99	1,303.74	60.24	22.642		
9,100.00	6,972.49	6,700.00	6,507.49	70.63	33.52	-5.26	1,153.59	892.53	1,458.70	1,397.93	60.77	24.004		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	6,700.00	6,507.49	73.18	33.52	-5.26	1,153.59	892.53	1,554.07	1,492.86	61.21	25.388		
9,300.00	6,974.55	6,700.00	6,507.49	75.75	33.52	-5.26	1,153.59	892.53	1,649.99	1,588.40	61.59	26.788		
9,400.00	6,975.58	6,677.90	6,486.69	78.34	33.45	-4.56	1,149.81	898.96	1,745.85	1,684.25	61.60	28.341		
9,500.00	6,976.61	6,671.14	6,480.29	80.94	33.42	-4.36	1,148.64	900.78	1,842.26	1,780.44	61.82	29.801		
9,600.00	6,977.64	6,650.00	6,460.15	83.56	33.35	-3.75	1,144.94	906.03	1,939.18	1,877.35	61.83	31.365		
9,700.00	6,978.68	6,650.00	6,460.15	86.20	33.35	-3.75	1,144.94	906.03	2,035.97	1,973.88	62.09	32.789		
9,800.00	6,979.71	6,650.00	6,460.15	88.85	33.35	-3.75	1,144.94	906.03	2,133.06	2,070.72	62.33	34.221		
9,900.00	6,980.74	6,650.00	6,460.15	91.51	33.35	-3.75	1,144.94	906.03	2,230.40	2,167.85	62.55	35.659		
10,000.00	6,981.77	6,650.00	6,460.15	94.19	33.35	-3.75	1,144.94	906.03	2,327.97	2,265.23	62.75	37.102		
10,100.00	6,982.80	6,650.00	6,460.15	96.87	33.35	-3.75	1,144.94	906.03	2,425.74	2,362.81	62.93	38.549		
10,200.00	6,983.83	6,650.00	6,460.15	99.56	33.35	-3.75	1,144.94	906.03	2,523.68	2,460.59	63.09	39.999		
10,300.00	6,984.86	6,650.00	6,460.15	102.27	33.35	-3.75	1,144.94	906.03	2,621.78	2,558.53	63.25	41.452		
10,400.00	6,985.89	6,627.97	6,439.00	104.98	33.28	-3.16	1,141.01	910.77	2,719.55	2,656.35	63.20	43.034		
10,500.00	6,986.92	6,624.54	6,435.68	107.69	33.26	-3.07	1,140.40	911.44	2,817.76	2,754.45	63.31	44.508		
10,600.00	6,987.95	6,621.29	6,432.55	110.41	33.25	-2.99	1,139.81	912.06	2,916.06	2,852.65	63.42	45.981		
10,700.00	6,988.99	6,600.00	6,411.94	113.14	33.18	-2.47	1,135.94	915.71	3,014.78	2,951.40	63.38	47.570		
10,800.00	6,990.02	6,600.00	6,411.94	115.88	33.18	-2.47	1,135.94	915.71	3,113.17	3,049.67	63.51	49.022		
10,900.00	6,991.05	6,600.00	6,411.94	118.62	33.18	-2.47	1,135.94	915.71	3,211.67	3,148.04	63.63	50.475		
11,000.00	6,992.08	6,600.00	6,411.94	121.37	33.18	-2.47	1,135.94	915.71	3,310.25	3,246.50	63.75	51.928		
11,100.00	6,993.11	6,600.00	6,411.94	124.12	33.18	-2.47	1,135.94	915.71	3,408.91	3,345.05	63.86	53.381		
11,200.00	6,994.14	6,600.00	6,411.94	126.87	33.18	-2.47	1,135.94	915.71	3,507.65	3,443.68	63.97	54.833		
11,300.00	6,995.17	6,600.00	6,411.94	129.63	33.18	-2.47	1,135.94	915.71	3,606.46	3,542.39	64.08	56.284		
11,400.00	6,996.20	6,600.00	6,411.94	132.39	33.18	-2.47	1,135.94	915.71	3,705.34	3,641.16	64.18	57.734		
11,500.00	6,997.23	6,600.00	6,411.94	135.16	33.18	-2.47	1,135.94	915.71	3,804.27	3,739.99	64.28	59.183		
11,600.00	6,998.26	6,600.00	6,411.94	137.93	33.18	-2.47	1,135.94	915.71	3,903.26	3,838.88	64.38	60.630		
11,700.00	6,999.30	6,600.00	6,411.94	140.70	33.18	-2.47	1,135.94	915.71	4,002.30	3,937.82	64.47	62.076		
11,800.00	7,000.33	6,600.00	6,411.94	143.48	33.18	-2.47	1,135.94	915.71	4,101.38	4,036.81	64.57	63.520		
11,900.00	7,001.36	6,600.00	6,411.94	146.26	33.18	-2.47	1,135.94	915.71	4,200.51	4,135.85	64.66	64.962		
12,000.00	7,002.39	6,600.00	6,411.94	149.04	33.18	-2.47	1,135.94	915.71	4,299.68	4,234.92	64.75	66.401		
12,100.00	7,003.42	6,600.00	6,411.94	151.82	33.18	-2.47	1,135.94	915.71	4,398.88	4,334.04	64.84	67.838		
12,200.00	7,004.45	6,600.00	6,411.94	154.61	33.18	-2.47	1,135.94	915.71	4,498.12	4,433.19	64.93	69.273		
12,300.00	7,005.48	6,600.00	6,411.94	157.40	33.18	-2.47	1,135.94	915.71	4,597.40	4,532.38	65.02	70.706		
12,400.00	7,006.51	6,600.00	6,411.94	160.19	33.18	-2.47	1,135.94	915.71	4,696.70	4,631.59	65.11	72.135		
12,500.00	7,007.54	6,600.00	6,411.94	162.98	33.18	-2.47	1,135.94	915.71	4,796.04	4,730.84	65.20	73.562		
12,600.00	7,008.57	6,600.00	6,411.94	165.78	33.18	-2.47	1,135.94	915.71	4,895.40	4,830.11	65.28	74.986		
12,700.00	7,009.61	6,600.00	6,411.94	168.58	33.18	-2.47	1,135.94	915.71	4,994.78	4,929.41	65.37	76.407		
12,800.00	7,010.64	6,578.28	6,390.80	171.38	33.10	-1.97	1,131.95	918.71	5,093.78	5,028.44	65.34	77.963		
12,900.00	7,011.67	6,577.09	6,389.64	174.18	33.09	-1.94	1,131.73	918.86	5,193.16	5,127.75	65.42	79.386		
13,000.00	7,012.70	6,575.94	6,388.52	176.98	33.09	-1.92	1,131.51	918.99	5,292.57	5,227.07	65.50	80.805		
13,100.00	7,013.73	6,574.83	6,387.43	179.78	33.08	-1.89	1,131.31	919.12	5,392.00	5,326.42	65.58	82.221		
13,200.00	7,014.76	6,573.75	6,386.38	182.59	33.08	-1.87	1,131.11	919.25	5,491.45	5,425.78	65.66	83.633		
13,300.00	7,015.79	6,572.71	6,385.37	185.39	33.07	-1.85	1,130.91	919.37	5,590.91	5,525.17	65.74	85.042		
13,400.00	7,016.82	6,550.00	6,363.16	188.20	32.99	-1.37	1,126.67	921.52	5,690.80	5,625.09	65.71	86.602		
13,500.00	7,017.85	6,550.00	6,363.16	191.01	32.99	-1.37	1,126.67	921.52	5,790.26	5,724.46	65.80	87.997		
13,600.00	7,018.88	6,550.00	6,363.16	193.82	32.99	-1.37	1,126.67	921.52	5,889.74	5,823.85	65.89	89.388		
13,700.00	7,019.91	6,550.00	6,363.16	196.63	32.99	-1.37	1,126.67	921.52	5,989.24	5,923.26	65.98	90.775		
13,800.00	7,020.95	6,550.00	6,363.16	199.44	32.99	-1.37	1,126.67	921.52	6,088.75	6,022.68	66.07	92.159		
13,900.00	7,021.98	6,550.00	6,363.16	202.26	32.99	-1.37	1,126.67	921.52	6,188.28	6,122.12	66.16	93.539		
14,000.00	7,023.01	6,550.00	6,363.16	205.07	32.99	-1.37	1,126.67	921.52	6,287.82	6,221.57	66.25	94.915		
14,100.00	7,024.04	6,550.00	6,363.16	207.89	32.99	-1.37	1,126.67	921.52	6,387.38	6,321.04	66.34	96.287		
14,200.00	7,025.07	6,550.00	6,363.16	210.70	32.99	-1.37	1,126.67	921.52	6,486.95	6,420.52	66.43	97.656		
14,300.00	7,026.10	6,550.00	6,363.16	213.52	32.99	-1.37	1,126.67	921.52	6,586.53	6,520.02	66.52	99.020		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	6,550.00	6,363.16	216.34	32.99	-1.37	1,126.67	921.52	6,686.13	6,619.52	66.61	100.380		
14,500.00	7,028.16	6,550.00	6,363.16	219.16	32.99	-1.37	1,126.67	921.52	6,785.74	6,719.04	66.70	101.736		
14,600.00	7,029.19	6,550.00	6,363.16	221.98	32.99	-1.37	1,126.67	921.52	6,885.36	6,818.57	66.79	103.088		
14,700.00	7,030.22	6,550.00	6,363.16	224.80	32.99	-1.37	1,126.67	921.52	6,984.99	6,918.11	66.88	104.436		
14,800.00	7,031.26	6,550.00	6,363.16	227.62	32.99	-1.37	1,126.67	921.52	7,084.63	7,017.65	66.98	105.780		
14,900.00	7,032.29	6,550.00	6,363.16	230.44	32.99	-1.37	1,126.67	921.52	7,184.28	7,117.21	67.07	107.119		
15,000.00	7,033.32	6,550.00	6,363.16	233.26	32.99	-1.37	1,126.67	921.52	7,283.94	7,216.78	67.16	108.454		
15,100.00	7,034.35	6,550.00	6,363.16	236.09	32.99	-1.37	1,126.67	921.52	7,383.61	7,316.36	67.26	109.784		
15,200.00	7,035.38	6,550.00	6,363.16	238.91	32.99	-1.37	1,126.67	921.52	7,483.29	7,415.94	67.35	111.111		
15,300.00	7,036.41	6,550.00	6,363.16	241.74	32.99	-1.37	1,126.67	921.52	7,582.98	7,515.53	67.44	112.433		
15,400.00	7,037.44	6,550.00	6,363.16	244.56	32.99	-1.37	1,126.67	921.52	7,682.67	7,615.13	67.54	113.750		
15,500.00	7,038.47	6,550.00	6,363.16	247.39	32.99	-1.37	1,126.67	921.52	7,782.37	7,714.74	67.64	115.063		
15,600.00	7,039.50	6,550.00	6,363.16	250.21	32.99	-1.37	1,126.67	921.52	7,882.09	7,814.35	67.73	116.371		
15,700.00	7,040.53	6,550.00	6,363.16	253.04	32.99	-1.37	1,126.67	921.52	7,981.80	7,913.97	67.83	117.675		
15,800.00	7,041.57	6,550.00	6,363.16	255.87	32.99	-1.37	1,126.67	921.52	8,081.53	8,013.60	67.93	118.975		
15,900.00	7,042.60	6,550.00	6,363.16	258.70	32.99	-1.37	1,126.67	921.52	8,181.26	8,113.23	68.02	120.269		
16,000.00	7,043.63	6,550.00	6,363.16	261.53	32.99	-1.37	1,126.67	921.52	8,281.00	8,212.87	68.12	121.559		
16,100.00	7,044.66	6,550.00	6,363.16	264.35	32.99	-1.37	1,126.67	921.52	8,380.74	8,312.52	68.22	122.845		
16,200.00	7,045.69	6,550.00	6,363.16	267.18	32.99	-1.37	1,126.67	921.52	8,480.49	8,412.17	68.32	124.126		
16,300.00	7,046.72	6,550.00	6,363.16	270.01	32.99	-1.37	1,126.67	921.52	8,580.25	8,511.83	68.42	125.402		
16,400.00	7,047.75	6,550.00	6,363.16	272.84	32.99	-1.37	1,126.67	921.52	8,680.01	8,611.49	68.52	126.674		
16,500.00	7,048.78	6,550.00	6,363.16	275.67	32.99	-1.37	1,126.67	921.52	8,779.78	8,711.15	68.62	127.940		
16,600.00	7,049.81	6,550.00	6,363.16	278.51	32.99	-1.37	1,126.67	921.52	8,879.55	8,810.82	68.73	129.202		
16,700.00	7,050.84	6,550.00	6,363.16	281.34	32.99	-1.37	1,126.67	921.52	8,979.33	8,910.50	68.83	130.460		
16,800.00	7,051.88	6,550.00	6,363.16	284.17	32.99	-1.37	1,126.67	921.52	9,079.11	9,010.18	68.93	131.712		
16,900.00	7,052.91	6,550.00	6,363.16	287.00	32.99	-1.37	1,126.67	921.52	9,178.90	9,109.86	69.03	132.960		
17,000.00	7,053.94	6,550.00	6,363.16	289.83	32.99	-1.37	1,126.67	921.52	9,278.69	9,209.55	69.14	134.203		
17,100.00	7,054.97	6,550.00	6,363.16	292.67	32.99	-1.37	1,126.67	921.52	9,378.48	9,309.24	69.24	135.441		
17,200.00	7,056.00	6,550.00	6,363.16	295.50	32.99	-1.37	1,126.67	921.52	9,478.28	9,408.93	69.35	136.675		
17,300.00	7,057.03	6,550.00	6,363.16	298.33	32.99	-1.37	1,126.67	921.52	9,578.09	9,508.63	69.46	137.903		
17,400.00	7,058.06	6,550.00	6,363.16	301.17	32.99	-1.37	1,126.67	921.52	9,677.90	9,608.33	69.56	139.127		
17,500.00	7,059.09	6,550.00	6,363.16	304.00	32.99	-1.37	1,126.67	921.52	9,777.71	9,708.04	69.67	140.346		
17,600.00	7,060.12	6,550.00	6,363.16	306.84	32.99	-1.37	1,126.67	921.52	9,877.52	9,807.75	69.78	141.560		
17,685.09	7,061.00	6,550.00	6,363.16	309.25	32.99	-1.37	1,126.67	921.52	9,962.46	9,892.59	69.87	142.589		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.41	-59.75	-5.85	60.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.41	-59.75	-5.85	60.03	53.46	6.57	9.138		
200.00	200.00	200.00	200.00	3.34	3.34	-174.41	-59.75	-5.85	60.03	53.36	6.67	8.995 CC, ES		
300.00	299.98	299.98	299.98	3.45	3.44	-171.75	-59.75	-5.85	61.76	54.87	6.89	8.963		
400.00	399.84	401.55	401.53	3.61	3.61	-173.45	-58.52	-4.53	65.64	58.43	7.22	9.097		
500.00	499.45	503.03	502.86	3.82	3.81	-177.27	-54.84	-0.59	70.60	62.96	7.64	9.242		
600.00	598.70	604.27	603.69	4.07	4.06	177.40	-48.74	5.96	77.10	68.96	8.14	9.472		
680.00	677.76	685.00	683.85	4.29	4.29	172.49	-42.13	13.05	83.79	75.20	8.59	9.756		
700.00	697.48	705.15	703.80	4.35	4.35	171.22	-40.24	15.07	85.64	76.93	8.71	9.835		
800.00	796.08	805.70	803.08	4.66	4.66	164.48	-29.38	26.71	94.52	85.20	9.32	10.140		
900.00	894.68	905.77	901.26	4.98	4.99	157.16	-16.23	40.82	103.34	93.36	9.98	10.352		
1,000.00	993.28	1,004.40	997.72	5.34	5.35	150.36	-2.20	55.86	113.24	102.56	10.68	10.602		
1,100.00	1,091.88	1,103.07	1,094.23	5.71	5.73	144.70	11.84	70.92	124.48	113.07	11.42	10.902		
1,200.00	1,190.48	1,201.74	1,190.73	6.10	6.12	140.01	25.88	85.97	136.73	124.55	12.19	11.221		
1,300.00	1,289.07	1,300.41	1,287.23	6.49	6.53	136.10	39.91	101.02	149.75	136.77	12.98	11.540		
1,400.00	1,387.67	1,400.92	1,383.73	6.90	6.96	132.82	53.95	116.08	163.34	149.55	13.79	11.841		
1,500.00	1,486.27	1,502.25	1,480.23	7.31	7.39	130.05	67.99	131.13	177.38	162.75	14.63	12.123		
1,600.00	1,584.87	1,603.57	1,576.73	7.73	7.84	127.69	82.02	146.18	191.77	176.29	15.48	12.386		
1,700.00	1,683.47	1,704.90	1,673.23	8.16	8.29	125.66	96.06	161.24	206.44	190.09	16.35	12.629		
1,800.00	1,782.07	1,806.23	1,769.73	8.59	8.75	123.90	110.10	176.29	221.32	204.11	17.22	12.854		
1,900.00	1,880.67	1,907.56	1,866.23	9.02	9.22	122.36	124.13	191.34	236.39	218.29	18.10	13.062		
2,000.00	1,979.27	2,008.89	1,962.73	9.46	9.68	121.01	138.17	206.39	251.60	232.62	18.98	13.253		
2,100.00	2,077.87	2,089.78	2,059.23	9.90	10.06	119.81	152.21	221.45	266.94	247.15	19.78	13.493		
2,200.00	2,176.47	2,188.45	2,155.73	10.35	10.52	118.74	166.25	236.50	282.37	261.70	20.67	13.662		
2,300.00	2,275.07	2,287.13	2,252.24	10.79	10.98	117.78	180.28	251.55	297.90	276.34	21.56	13.818		
2,400.00	2,373.67	2,385.80	2,348.74	11.24	11.45	116.92	194.32	266.61	313.49	291.04	22.45	13.962		
2,500.00	2,472.27	2,484.47	2,445.24	11.69	11.92	116.13	208.36	281.66	329.15	305.80	23.35	14.096		
2,600.00	2,570.87	2,583.14	2,541.74	12.14	12.39	115.42	222.39	296.71	344.86	320.61	24.25	14.220		
2,700.00	2,669.47	2,681.81	2,638.24	12.59	12.86	114.78	236.43	311.76	360.63	335.47	25.16	14.335		
2,800.00	2,768.07	2,780.48	2,734.74	13.04	13.33	114.18	250.47	326.82	376.43	350.36	26.06	14.443		
2,900.00	2,866.67	2,879.15	2,831.24	13.50	13.80	113.64	264.51	341.87	392.27	365.29	26.97	14.544		
3,000.00	2,965.27	2,977.83	2,927.74	13.95	14.28	113.13	278.54	356.92	408.14	380.25	27.88	14.638		
3,100.00	3,063.87	3,076.50	3,024.24	14.41	14.75	112.67	292.58	371.98	424.04	395.24	28.80	14.726		
3,200.00	3,162.47	3,175.17	3,120.74	14.87	15.23	112.23	306.62	387.03	439.96	410.25	29.71	14.808		
3,300.00	3,261.07	3,273.84	3,217.24	15.32	15.71	111.83	320.65	402.08	455.91	425.28	30.63	14.886		
3,400.00	3,359.67	3,372.51	3,313.74	15.78	16.19	111.46	334.69	417.14	471.88	440.33	31.54	14.959		
3,500.00	3,458.27	3,471.18	3,410.24	16.24	16.66	111.10	348.73	432.19	487.86	455.40	32.46	15.028		
3,600.00	3,556.87	3,569.85	3,506.75	16.70	17.14	110.78	362.77	447.24	503.86	470.48	33.38	15.093		
3,700.00	3,655.47	3,668.52	3,603.25	17.16	17.62	110.47	376.80	462.29	519.88	485.58	34.31	15.155		
3,800.00	3,754.06	3,767.20	3,699.75	17.62	18.10	110.18	390.84	477.35	535.91	500.69	35.23	15.213		
3,900.00	3,852.66	3,865.87	3,796.25	18.08	18.58	109.91	404.88	492.40	551.96	515.81	36.15	15.268		
4,000.00	3,951.26	3,964.54	3,892.75	18.54	19.07	109.65	418.91	507.45	568.02	530.94	37.08	15.321		
4,100.00	4,049.86	4,063.21	3,989.25	19.01	19.55	109.40	432.95	522.51	584.08	546.08	38.00	15.370		
4,200.00	4,148.46	4,161.88	4,085.75	19.47	20.03	109.17	446.99	537.56	600.16	561.23	38.93	15.418		
4,300.00	4,247.06	4,260.55	4,182.25	19.93	20.51	108.96	461.02	552.61	616.24	576.39	39.85	15.463		
4,400.00	4,345.66	4,359.22	4,278.75	20.39	21.00	108.75	475.06	567.67	632.34	591.56	40.78	15.506		
4,500.00	4,444.26	4,457.90	4,375.25	20.86	21.48	108.55	489.10	582.72	648.44	606.73	41.71	15.547		
4,600.00	4,542.86	4,556.57	4,471.75	21.32	21.96	108.36	503.14	597.77	664.55	621.91	42.64	15.586		
4,700.00	4,641.46	4,655.24	4,568.25	21.78	22.45	108.19	517.17	612.82	680.66	637.09	43.57	15.624		
4,800.00	4,740.06	4,753.91	4,664.76	22.25	22.93	108.02	531.21	627.88	696.78	652.29	44.50	15.660		
4,900.00	4,838.66	4,852.58	4,761.26	22.71	23.42	107.85	545.25	642.93	712.91	667.48	45.43	15.694		
5,000.00	4,937.26	4,951.25	4,857.76	23.18	23.90	107.70	559.28	657.98	729.04	682.68	46.36	15.727		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	5,049.92	4,954.26	23.64	24.39	107.55	573.32	673.04	745.18	697.89	47.29	15.759		
5,200.00	5,134.46	5,148.59	5,050.76	24.11	24.87	107.41	587.36	688.09	761.32	713.10	48.22	15.789		
5,300.00	5,233.06	5,247.27	5,147.26	24.57	25.36	107.27	601.40	703.14	777.47	728.31	49.15	15.818		
5,400.00	5,331.66	5,345.94	5,243.76	25.04	25.84	107.14	615.43	718.19	793.62	743.53	50.08	15.846		
5,500.00	5,430.26	5,444.61	5,340.26	25.50	26.33	107.01	629.47	733.25	809.77	758.75	51.02	15.873		
5,600.00	5,528.86	5,543.28	5,436.76	25.97	26.81	106.89	643.51	748.30	825.93	773.98	51.95	15.899		
5,700.00	5,627.46	5,641.95	5,533.26	26.43	27.30	106.78	657.54	763.35	842.09	789.21	52.88	15.924		
5,800.00	5,726.06	5,740.62	5,629.76	26.90	27.78	106.67	671.58	778.41	858.25	804.44	53.81	15.948		
5,900.00	5,824.66	5,839.29	5,726.26	27.36	28.27	106.56	685.62	793.46	874.42	819.67	54.75	15.972		
6,000.00	5,923.26	5,937.97	5,822.76	27.83	28.76	106.45	699.66	808.51	890.59	834.91	55.68	15.994		
6,100.00	6,021.86	6,036.64	5,919.27	28.30	29.24	106.35	713.69	823.57	906.76	850.15	56.62	16.016		
6,200.00	6,120.46	7,810.42	7,012.18	28.76	41.88	-178.17	824.17	-50.76	901.93	877.14	24.79	36.382		
6,300.00	6,219.06	7,809.52	7,012.18	29.23	41.87	-178.36	824.21	-49.85	807.54	780.53	27.01	29.896		
6,405.66	6,323.24	7,808.56	7,012.19	29.72	41.85	-178.55	824.26	-48.90	709.49	679.44	30.05	23.609		
6,450.00	6,366.93	7,806.62	7,012.21	29.93	41.82	167.23	824.35	-46.96	669.06	637.47	31.59	21.183		
6,500.00	6,415.96	7,800.74	7,012.27	30.15	41.72	155.56	824.63	-41.09	624.30	590.80	33.50	18.636		
6,550.00	6,464.44	7,809.01	7,012.36	30.37	41.86	148.98	825.10	-31.35	580.82	545.02	35.80	16.226		
6,600.00	6,512.08	7,777.42	7,012.49	30.58	41.35	145.23	825.74	-17.80	539.00	500.99	38.01	14.181		
6,650.00	6,558.58	7,760.12	7,012.66	30.78	41.08	142.70	826.57	-0.52	499.25	458.62	40.63	12.289		
6,700.00	6,603.65	7,739.20	7,012.86	30.97	40.76	140.56	827.57	20.38	461.97	418.48	43.48	10.624		
6,750.00	6,647.02	7,714.78	7,013.10	31.15	40.38	138.42	828.73	44.77	427.53	380.98	46.55	9.184		
6,800.00	6,688.42	7,687.02	7,013.37	31.31	39.96	136.08	830.05	72.49	396.30	346.52	49.78	7.962		
6,850.00	6,727.59	7,656.09	7,013.67	31.46	39.53	133.44	831.53	103.39	368.56	315.48	53.08	6.944		
6,900.00	6,764.29	7,622.17	7,013.99	31.60	39.05	130.49	833.15	137.27	344.52	288.20	56.31	6.118		
6,950.00	6,798.30	7,585.48	7,014.35	31.73	38.55	127.23	834.90	173.91	324.26	264.90	59.36	5.463		
7,000.00	6,829.41	7,546.24	7,014.72	31.84	38.06	123.73	836.77	213.11	307.72	245.64	62.08	4.957		
7,050.00	6,857.42	7,501.65	7,014.96	32.03	37.52	119.76	838.87	257.65	294.60	230.27	64.32	4.580		
7,100.00	6,882.16	7,451.12	7,015.21	32.26	36.94	114.98	840.83	308.06	283.71	217.45	66.26	4.282		
7,150.00	6,903.48	7,403.03	7,005.92	32.73	36.42	110.13	842.17	355.70	274.95	207.05	67.89	4.050		
7,200.00	6,921.25	7,357.04	6,996.60	33.15	35.96	105.22	842.97	400.71	268.54	199.47	69.06	3.888		
7,250.00	6,935.36	7,312.87	6,984.63	33.61	35.54	100.30	843.29	443.22	264.60	194.95	69.66	3.799		
7,300.00	6,945.72	7,270.27	6,970.35	34.11	35.17	95.41	843.18	483.35	263.16	193.50	69.66	3.778 SF		
7,304.54	6,946.47	7,266.47	6,968.95	34.16	35.14	94.97	843.15	486.88	263.15	193.52	69.64	3.779		
7,350.00	6,952.26	7,229.02	6,954.02	34.65	34.84	90.61	842.68	521.22	264.12	194.98	69.14	3.820		
7,403.14	6,955.00	7,186.48	6,934.68	35.26	34.53	85.68	841.77	559.09	267.55	199.39	68.16	3.925		
7,500.00	6,955.99	7,115.21	6,896.83	36.49	34.06	77.72	839.33	619.38	281.80	216.35	65.45	4.306		
7,600.00	6,957.03	7,052.04	6,857.89	37.93	33.70	70.24	836.25	669.00	310.33	248.31	62.01	5.004		
7,700.00	6,958.06	7,000.00	6,822.30	39.52	33.44	64.14	833.09	706.81	352.80	293.59	59.21	5.959		
7,800.00	6,959.09	6,950.00	6,785.34	41.25	33.21	58.59	829.54	740.28	407.18	350.07	57.11	7.130		
7,900.00	6,960.12	6,913.87	6,757.09	43.09	33.06	54.84	826.67	762.61	470.90	414.40	56.50	8.335		
8,000.00	6,961.15	6,880.62	6,730.02	45.04	32.93	51.63	823.81	781.70	541.74	485.37	56.37	9.610		
8,100.00	6,962.18	6,850.00	6,704.26	47.08	32.80	48.88	821.01	798.01	617.95	561.43	56.52	10.934		
8,200.00	6,963.21	6,827.18	6,684.57	49.20	32.72	46.96	818.81	809.34	698.23	641.21	57.03	12.243		
8,300.00	6,964.24	6,800.00	6,660.63	51.39	32.61	44.82	816.09	821.90	781.72	724.42	57.30	13.642		
8,400.00	6,965.27	6,786.50	6,648.55	53.64	32.56	43.82	814.69	827.76	867.59	809.61	57.99	14.962		
8,500.00	6,966.30	6,769.69	6,633.34	55.95	32.50	42.62	812.91	834.69	955.48	897.03	58.44	16.349		
8,600.00	6,967.33	6,750.00	6,615.30	58.30	32.43	41.28	810.77	842.29	1,044.98	986.23	58.75	17.788		
8,700.00	6,968.37	6,750.00	6,615.30	60.70	32.43	41.28	810.77	842.29	1,135.81	1,076.36	59.44	19.107		
8,800.00	6,969.40	6,729.38	6,596.18	63.14	32.36	39.96	808.47	849.64	1,227.56	1,167.96	59.60	20.597		
8,900.00	6,970.43	6,718.55	6,586.04	65.60	32.32	39.30	807.23	853.25	1,320.31	1,260.39	59.92	22.036		
9,000.00	6,971.46	6,700.00	6,568.54	68.10	32.25	38.22	805.08	859.03	1,413.90	1,353.84	60.06	23.543		
9,100.00	6,972.49	6,700.00	6,568.54	70.63	32.25	38.22	805.08	859.03	1,507.97	1,447.50	60.47	24.939		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	6,700.00	6,568.54	73.18	32.25	38.22	805.08	859.03	1,602.75	1,541.94	60.81	26.355		
9,300.00	6,974.55	6,700.00	6,568.54	75.75	32.25	38.22	805.08	859.03	1,698.13	1,637.02	61.12	27.785		
9,400.00	6,975.58	6,677.20	6,546.83	78.34	32.17	36.96	802.38	865.43	1,793.47	1,732.36	61.11	29.350		
9,500.00	6,976.61	6,670.82	6,540.72	80.94	32.14	36.62	801.61	867.08	1,889.44	1,828.15	61.29	30.829		
9,600.00	6,977.64	6,650.00	6,520.65	83.56	32.07	35.57	799.07	872.03	1,985.97	1,924.67	61.30	32.399		
9,700.00	6,978.68	6,650.00	6,520.65	86.20	32.07	35.57	799.07	872.03	2,082.41	2,020.89	61.52	33.850		
9,800.00	6,979.71	6,650.00	6,520.65	88.85	32.07	35.57	799.07	872.03	2,179.17	2,117.46	61.72	35.308		
9,900.00	6,980.74	6,650.00	6,520.65	91.51	32.07	35.57	799.07	872.03	2,276.22	2,214.32	61.90	36.772		
10,000.00	6,981.77	6,650.00	6,520.65	94.19	32.07	35.57	799.07	872.03	2,373.51	2,311.44	62.07	38.241		
10,100.00	6,982.80	6,650.00	6,520.65	96.87	32.07	35.57	799.07	872.03	2,471.01	2,408.79	62.22	39.714		
10,200.00	6,983.83	6,650.00	6,520.65	99.56	32.07	35.57	799.07	872.03	2,568.71	2,506.34	62.36	41.190		
10,300.00	6,984.86	6,650.00	6,520.65	102.27	32.07	35.57	799.07	872.03	2,666.58	2,604.08	62.50	42.668		
10,400.00	6,985.89	6,629.94	6,501.18	104.98	32.00	34.61	796.57	876.18	2,764.21	2,701.73	62.48	44.243		
10,500.00	6,986.92	6,626.67	6,498.00	107.69	31.98	34.46	796.16	876.80	2,862.23	2,799.65	62.58	45.737		
10,600.00	6,987.95	6,623.58	6,494.99	110.41	31.97	34.32	795.77	877.36	2,960.37	2,897.69	62.68	47.231		
10,700.00	6,988.99	6,620.65	6,492.13	113.14	31.96	34.19	795.40	877.89	3,058.61	2,995.83	62.77	48.724		
10,800.00	6,990.02	6,600.00	6,471.92	115.88	31.89	33.28	792.76	881.21	3,157.25	3,094.49	62.76	50.309		
10,900.00	6,991.05	6,600.00	6,471.92	118.62	31.89	33.28	792.76	881.21	3,255.59	3,192.72	62.87	51.786		
11,000.00	6,992.08	6,600.00	6,471.92	121.37	31.89	33.28	792.76	881.21	3,354.03	3,291.05	62.97	53.262		
11,100.00	6,993.11	6,600.00	6,471.92	124.12	31.89	33.28	792.76	881.21	3,452.56	3,389.48	63.07	54.738		
11,200.00	6,994.14	6,600.00	6,471.92	126.87	31.89	33.28	792.76	881.21	3,551.17	3,487.99	63.17	56.213		
11,300.00	6,995.17	6,600.00	6,471.92	129.63	31.89	33.28	792.76	881.21	3,649.85	3,586.58	63.27	57.688		
11,400.00	6,996.20	6,600.00	6,471.92	132.39	31.89	33.28	792.76	881.21	3,748.61	3,685.25	63.36	59.161		
11,500.00	6,997.23	6,600.00	6,471.92	135.16	31.89	33.28	792.76	881.21	3,847.43	3,783.98	63.45	60.633		
11,600.00	6,998.26	6,600.00	6,471.92	137.93	31.89	33.28	792.76	881.21	3,946.31	3,882.77	63.54	62.103		
11,700.00	6,999.30	6,600.00	6,471.92	140.70	31.89	33.28	792.76	881.21	4,045.25	3,981.61	63.63	63.571		
11,800.00	7,000.33	6,600.00	6,471.92	143.48	31.89	33.28	792.76	881.21	4,144.23	4,080.51	63.72	65.037		
11,900.00	7,001.36	6,600.00	6,471.92	146.26	31.89	33.28	792.76	881.21	4,243.27	4,179.46	63.81	66.502		
12,000.00	7,002.39	6,600.00	6,471.92	149.04	31.89	33.28	792.76	881.21	4,342.34	4,278.45	63.89	67.964		
12,100.00	7,003.42	6,600.00	6,471.92	151.82	31.89	33.28	792.76	881.21	4,441.46	4,377.49	63.98	69.423		
12,200.00	7,004.45	6,600.00	6,471.92	154.61	31.89	33.28	792.76	881.21	4,540.62	4,476.56	64.06	70.880		
12,300.00	7,005.48	6,600.00	6,471.92	157.40	31.89	33.28	792.76	881.21	4,639.82	4,575.67	64.14	72.335		
12,400.00	7,006.51	6,600.00	6,471.92	160.19	31.89	33.28	792.76	881.21	4,739.04	4,674.82	64.23	73.786		
12,500.00	7,007.54	6,600.00	6,471.92	162.98	31.89	33.28	792.76	881.21	4,838.30	4,774.00	64.31	75.235		
12,600.00	7,008.57	6,600.00	6,471.92	165.78	31.89	33.28	792.76	881.21	4,937.59	4,873.20	64.39	76.681		
12,700.00	7,009.61	6,600.00	6,471.92	168.58	31.89	33.28	792.76	881.21	5,036.91	4,972.44	64.47	78.124		
12,800.00	7,010.64	6,600.00	6,471.92	171.38	31.89	33.28	792.76	881.21	5,136.26	5,071.70	64.56	79.563		
12,900.00	7,011.67	6,600.00	6,471.92	174.18	31.89	33.28	792.76	881.21	5,235.63	5,170.99	64.64	81.000		
13,000.00	7,012.70	6,600.00	6,471.92	176.98	31.89	33.28	792.76	881.21	5,335.02	5,270.30	64.72	82.433		
13,100.00	7,013.73	6,600.00	6,471.92	179.78	31.89	33.28	792.76	881.21	5,434.43	5,369.63	64.80	83.862		
13,200.00	7,014.76	6,578.03	6,450.32	182.59	31.80	32.38	789.90	884.02	5,533.45	5,468.65	64.80	85.397		
13,300.00	7,015.79	6,577.02	6,449.33	185.39	31.80	32.34	789.77	884.13	5,632.86	5,567.99	64.88	86.825		
13,400.00	7,016.82	6,576.05	6,448.37	188.20	31.80	32.31	789.64	884.24	5,732.30	5,667.34	64.96	88.249		
13,500.00	7,017.85	6,575.11	6,447.44	191.01	31.79	32.27	789.52	884.34	5,831.75	5,766.72	65.04	89.669		
13,600.00	7,018.88	6,574.20	6,446.54	193.82	31.79	32.23	789.40	884.43	5,931.22	5,866.11	65.12	91.085		
13,700.00	7,019.91	6,573.31	6,445.67	196.63	31.79	32.20	789.28	884.53	6,030.71	5,965.51	65.20	92.497		
13,800.00	7,020.95	6,572.45	6,444.82	199.44	31.78	32.16	789.17	884.61	6,130.21	6,064.93	65.28	93.905		
13,900.00	7,021.98	6,550.00	6,422.65	202.26	31.70	31.32	786.19	886.51	6,230.13	6,164.85	65.28	95.431		
14,000.00	7,023.01	6,550.00	6,422.65	205.07	31.70	31.32	786.19	886.51	6,329.64	6,264.27	65.37	96.827		
14,100.00	7,024.04	6,550.00	6,422.65	207.89	31.70	31.32	786.19	886.51	6,429.15	6,363.69	65.46	98.219		
14,200.00	7,025.07	6,550.00	6,422.65	210.70	31.70	31.32	786.19	886.51	6,528.68	6,463.14	65.54	99.607		
14,300.00	7,026.10	6,550.00	6,422.65	213.52	31.70	31.32	786.19	886.51	6,628.23	6,562.60	65.63	100.990		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	6,550.00	6,422.65	216.34	31.70	31.32	786.19	886.51	6,727.79	6,662.07	65.72	102.370		
14,500.00	7,028.16	6,550.00	6,422.65	219.16	31.70	31.32	786.19	886.51	6,827.36	6,761.55	65.81	103.745		
14,600.00	7,029.19	6,550.00	6,422.65	221.98	31.70	31.32	786.19	886.51	6,926.94	6,861.04	65.90	105.116		
14,700.00	7,030.22	6,550.00	6,422.65	224.80	31.70	31.32	786.19	886.51	7,026.54	6,960.55	65.99	106.483		
14,800.00	7,031.26	6,550.00	6,422.65	227.62	31.70	31.32	786.19	886.51	7,126.14	7,060.07	66.08	107.845		
14,900.00	7,032.29	6,550.00	6,422.65	230.44	31.70	31.32	786.19	886.51	7,225.76	7,159.59	66.17	109.203		
15,000.00	7,033.32	6,550.00	6,422.65	233.26	31.70	31.32	786.19	886.51	7,325.39	7,259.13	66.26	110.557		
15,100.00	7,034.35	6,550.00	6,422.65	236.09	31.70	31.32	786.19	886.51	7,425.03	7,358.68	66.35	111.906		
15,200.00	7,035.38	6,550.00	6,422.65	238.91	31.70	31.32	786.19	886.51	7,524.68	7,458.23	66.44	113.251		
15,300.00	7,036.41	6,550.00	6,422.65	241.74	31.70	31.32	786.19	886.51	7,624.33	7,557.80	66.54	114.591		
15,400.00	7,037.44	6,550.00	6,422.65	244.56	31.70	31.32	786.19	886.51	7,724.00	7,657.37	66.63	115.926		
15,500.00	7,038.47	6,550.00	6,422.65	247.39	31.70	31.32	786.19	886.51	7,823.67	7,756.95	66.72	117.257		
15,600.00	7,039.50	6,550.00	6,422.65	250.21	31.70	31.32	786.19	886.51	7,923.36	7,856.54	66.82	118.584		
15,700.00	7,040.53	6,550.00	6,422.65	253.04	31.70	31.32	786.19	886.51	8,023.05	7,956.14	66.91	119.906		
15,800.00	7,041.57	6,550.00	6,422.65	255.87	31.70	31.32	786.19	886.51	8,122.75	8,055.74	67.01	121.223		
15,900.00	7,042.60	6,550.00	6,422.65	258.70	31.70	31.32	786.19	886.51	8,222.45	8,155.35	67.10	122.535		
16,000.00	7,043.63	6,550.00	6,422.65	261.53	31.70	31.32	786.19	886.51	8,322.16	8,254.96	67.20	123.843		
16,100.00	7,044.66	6,550.00	6,422.65	264.35	31.70	31.32	786.19	886.51	8,421.88	8,354.59	67.30	125.146		
16,200.00	7,045.69	6,550.00	6,422.65	267.18	31.70	31.32	786.19	886.51	8,521.61	8,454.21	67.39	126.444		
16,300.00	7,046.72	6,550.00	6,422.65	270.01	31.70	31.32	786.19	886.51	8,621.34	8,553.85	67.49	127.737		
16,400.00	7,047.75	6,550.00	6,422.65	272.84	31.70	31.32	786.19	886.51	8,721.08	8,653.49	67.59	129.026		
16,500.00	7,048.78	6,550.00	6,422.65	275.67	31.70	31.32	786.19	886.51	8,820.82	8,753.13	67.69	130.309		
16,600.00	7,049.81	6,550.00	6,422.65	278.51	31.70	31.32	786.19	886.51	8,920.57	8,852.78	67.79	131.588		
16,700.00	7,050.84	6,550.00	6,422.65	281.34	31.70	31.32	786.19	886.51	9,020.33	8,952.44	67.89	132.862		
16,800.00	7,051.88	6,550.00	6,422.65	284.17	31.70	31.32	786.19	886.51	9,120.09	9,052.10	67.99	134.131		
16,900.00	7,052.91	6,550.00	6,422.65	287.00	31.70	31.32	786.19	886.51	9,219.86	9,151.76	68.10	135.396		
17,000.00	7,053.94	6,550.00	6,422.65	289.83	31.70	31.32	786.19	886.51	9,319.63	9,251.43	68.20	136.655		
17,100.00	7,054.97	6,550.00	6,422.65	292.67	31.70	31.32	786.19	886.51	9,419.40	9,351.10	68.30	137.910		
17,200.00	7,056.00	6,550.00	6,422.65	295.50	31.70	31.32	786.19	886.51	9,519.18	9,450.78	68.41	139.159		
17,300.00	7,057.03	6,550.00	6,422.65	298.33	31.70	31.32	786.19	886.51	9,618.97	9,550.46	68.51	140.404		
17,400.00	7,058.06	6,550.00	6,422.65	301.17	31.70	31.32	786.19	886.51	9,718.76	9,650.14	68.61	141.643		
17,500.00	7,059.09	6,550.00	6,422.65	304.00	31.70	31.32	786.19	886.51	9,818.55	9,749.83	68.72	142.878		
17,600.00	7,060.12	6,550.00	6,422.65	306.84	31.70	31.32	786.19	886.51	9,918.35	9,849.53	68.83	144.108		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.41	-119.49	-11.69	120.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.41	-119.49	-11.69	120.06	113.49	6.57	18.276		
200.00	200.00	200.00	200.00	3.34	3.34	-174.41	-119.49	-11.69	120.06	113.39	6.67	17.989 CC, ES		
300.00	299.98	299.98	299.98	3.45	3.44	-171.63	-119.49	-11.69	121.79	114.90	6.89	17.675		
400.00	399.84	400.08	400.06	3.61	3.60	-172.75	-119.54	-9.94	126.87	119.66	7.21	17.602 SF		
500.00	499.45	499.64	499.48	3.82	3.80	-175.40	-119.67	-4.74	135.40	127.79	7.61	17.787		
600.00	598.70	598.29	597.75	4.07	4.03	-179.12	-119.90	3.82	147.84	139.74	8.10	18.257		
680.00	677.76	676.30	675.22	4.29	4.25	177.51	-120.14	12.98	160.93	152.39	8.54	18.853		
700.00	697.48	704.23	694.52	4.35	4.33	176.65	-120.20	15.56	164.59	155.91	8.68	18.967		
800.00	796.08	806.68	791.20	4.66	4.64	172.85	-120.54	28.54	183.40	174.11	9.29	19.736		
900.00	894.68	909.13	887.88	4.98	4.98	169.76	-120.88	41.53	202.86	192.90	9.95	20.380		
1,000.00	993.28	988.43	984.57	5.34	5.26	167.21	-121.22	54.51	222.79	212.21	10.57	21.076		
1,100.00	1,091.88	1,085.98	1,081.25	5.71	5.62	165.08	-121.56	67.49	243.07	231.79	11.28	21.551		
1,200.00	1,190.48	1,183.53	1,177.93	6.10	5.99	163.28	-121.90	80.47	263.63	251.61	12.01	21.946		
1,300.00	1,289.07	1,281.08	1,274.62	6.49	6.37	161.74	-122.24	93.45	284.40	271.63	12.77	22.276		
1,400.00	1,387.67	1,378.63	1,371.30	6.90	6.76	160.41	-122.58	106.44	305.34	291.80	13.54	22.553		
1,500.00	1,486.27	1,476.18	1,467.99	7.31	7.16	159.25	-122.92	119.42	326.42	312.10	14.32	22.787		
1,600.00	1,584.87	1,573.74	1,564.67	7.73	7.57	158.23	-123.26	132.40	347.62	332.49	15.12	22.985		
1,700.00	1,683.47	1,671.29	1,661.35	8.16	7.98	157.33	-123.60	145.38	368.90	352.97	15.93	23.154		
1,800.00	1,782.07	1,768.84	1,758.04	8.59	8.39	156.52	-123.94	158.36	390.27	373.52	16.75	23.298		
1,900.00	1,880.67	1,866.39	1,854.72	9.02	8.81	155.80	-124.28	171.34	411.70	394.12	17.58	23.422		
2,000.00	1,979.27	1,963.94	1,951.40	9.46	9.23	155.15	-124.62	184.33	433.19	414.78	18.41	23.530		
2,100.00	2,077.87	2,061.49	2,048.09	9.90	9.66	154.56	-124.96	197.31	454.73	435.48	19.25	23.623		
2,200.00	2,176.47	2,159.05	2,144.77	10.35	10.09	154.03	-125.30	210.29	476.30	456.21	20.09	23.705		
2,300.00	2,275.07	2,256.60	2,241.45	10.79	10.52	153.54	-125.64	223.27	497.92	476.98	20.94	23.776		
2,400.00	2,373.67	2,354.15	2,338.14	11.24	10.95	153.09	-125.98	236.25	519.56	497.77	21.79	23.839		
2,500.00	2,472.27	2,451.70	2,434.82	11.69	11.38	152.68	-126.32	249.23	541.24	518.59	22.65	23.895		
2,600.00	2,570.87	2,549.25	2,531.50	12.14	11.82	152.30	-126.66	262.22	562.94	539.43	23.51	23.944		
2,700.00	2,669.47	2,646.81	2,628.19	12.59	12.26	151.94	-127.00	275.20	584.66	560.28	24.37	23.989		
2,800.00	2,768.07	2,744.36	2,724.87	13.04	12.70	151.62	-127.34	288.18	606.40	581.16	25.24	24.028		
2,900.00	2,866.67	2,841.91	2,821.55	13.50	13.14	151.31	-127.68	301.16	628.15	602.05	26.10	24.063		
3,000.00	2,965.27	2,939.46	2,918.24	13.95	13.58	151.03	-128.02	314.14	649.93	622.95	26.97	24.095		
3,100.00	3,063.87	3,037.01	3,014.92	14.41	14.02	150.76	-128.36	327.13	671.72	643.87	27.84	24.124		
3,200.00	3,162.47	3,134.56	3,111.60	14.87	14.46	150.51	-128.70	340.11	693.52	664.80	28.72	24.149		
3,300.00	3,261.07	3,232.12	3,208.29	15.32	14.90	150.28	-129.04	353.09	715.33	685.74	29.59	24.173		
3,400.00	3,359.67	3,329.67	3,304.97	15.78	15.35	150.06	-129.38	366.07	737.15	706.68	30.47	24.194		
3,500.00	3,458.27	3,427.22	3,401.65	16.24	15.79	149.85	-129.72	379.05	758.98	727.64	31.35	24.214		
3,600.00	3,556.87	3,524.77	3,498.34	16.70	16.24	149.65	-130.06	392.03	780.83	748.60	32.22	24.231		
3,700.00	3,655.47	3,622.32	3,595.02	17.16	16.68	149.47	-130.40	405.02	802.68	769.57	33.10	24.247		
3,800.00	3,754.06	3,719.87	3,691.71	17.62	17.13	149.29	-130.74	418.00	824.53	790.55	33.98	24.262		
3,900.00	3,852.66	3,817.43	3,788.39	18.08	17.58	149.13	-131.08	430.98	846.40	811.53	34.87	24.276		
4,000.00	3,951.26	3,914.98	3,885.07	18.54	18.02	148.97	-131.42	443.96	868.27	832.52	35.75	24.288		
4,100.00	4,049.86	4,012.53	3,981.76	19.01	18.47	148.82	-131.76	456.94	890.15	853.51	36.63	24.300		
4,200.00	4,148.46	4,110.08	4,078.44	19.47	18.92	148.68	-132.10	469.92	912.03	874.51	37.52	24.310		
4,300.00	4,247.06	4,207.63	4,175.12	19.93	19.37	148.54	-132.44	482.91	933.92	895.52	38.40	24.320		
4,400.00	4,345.66	4,305.18	4,271.81	20.39	19.82	148.41	-132.78	495.89	955.81	916.52	39.29	24.329		
4,500.00	4,444.26	4,402.74	4,368.49	20.86	20.26	148.29	-133.12	508.87	977.71	937.53	40.17	24.338		
4,600.00	4,542.86	4,500.29	4,465.17	21.32	20.71	148.17	-133.46	521.85	999.61	958.55	41.06	24.345		
4,700.00	4,641.46	4,602.16	4,561.86	21.78	21.18	148.05	-133.80	534.83	1,021.51	979.55	41.97	24.341		
4,800.00	4,740.06	4,704.61	4,658.54	22.25	21.65	147.94	-134.14	547.82	1,043.42	1,000.54	42.88	24.336		
4,900.00	4,838.66	4,807.06	4,755.22	22.71	22.13	147.84	-134.48	560.80	1,065.33	1,021.55	43.79	24.330		
5,000.00	4,937.26	4,909.51	4,851.91	23.18	22.60	147.74	-134.82	573.78	1,087.25	1,042.55	44.70	24.324		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	4,988.05	4,948.59	23.64	22.96	147.64	-135.16	586.76	1,109.17	1,063.67	45.50	24.377		
5,200.00	5,134.46	5,085.60	5,045.27	24.11	23.41	147.55	-135.50	599.74	1,131.09	1,084.70	46.39	24.382		
5,300.00	5,233.06	5,183.15	5,141.96	24.57	23.86	147.46	-135.84	612.72	1,153.01	1,105.73	47.28	24.386		
5,400.00	5,331.66	5,280.70	5,238.64	25.04	24.31	147.38	-136.18	625.71	1,174.94	1,126.77	48.17	24.391		
5,500.00	5,430.26	5,378.25	5,335.32	25.50	24.77	147.29	-136.52	638.69	1,196.87	1,147.81	49.06	24.395		
5,600.00	5,528.86	5,475.81	5,432.01	25.97	25.22	147.21	-136.86	651.67	1,218.80	1,168.85	49.95	24.399		
5,700.00	5,627.46	5,573.36	5,528.69	26.43	25.67	147.14	-137.20	664.65	1,240.73	1,189.89	50.85	24.402		
5,800.00	5,726.06	5,670.91	5,625.38	26.90	26.12	147.06	-137.54	677.63	1,262.67	1,210.93	51.74	24.406		
5,900.00	5,824.66	5,768.46	5,722.06	27.36	26.57	146.99	-137.88	690.61	1,284.61	1,231.98	52.63	24.409		
6,000.00	5,923.26	5,866.01	5,818.74	27.83	27.02	146.92	-138.22	703.60	1,306.54	1,253.02	53.52	24.412		
6,100.00	6,021.86	5,963.56	5,915.43	28.30	27.47	146.86	-138.56	716.58	1,328.49	1,274.07	54.41	24.414		
6,200.00	6,120.46	6,061.12	6,012.11	28.76	27.93	146.79	-138.90	729.56	1,350.43	1,295.12	55.31	24.417		
6,300.00	6,219.06	6,158.67	6,108.79	29.23	28.38	146.73	-139.24	742.54	1,372.37	1,316.17	56.20	24.419		
6,405.66	6,323.24	6,261.74	6,210.95	29.72	28.86	146.66	-139.60	756.26	1,395.56	1,338.42	57.14	24.422		
6,450.00	6,366.93	6,305.17	6,254.00	29.93	29.06	123.36	-139.75	762.04	1,404.41	1,346.87	57.54	24.407		
6,500.00	6,415.96	7,728.85	7,142.12	30.15	38.81	142.67	-172.13	-14.11	1,387.21	1,326.39	60.82	22.808		
6,550.00	6,464.44	7,719.12	7,142.24	30.37	38.66	131.56	-171.82	-4.38	1,369.46	1,307.58	61.88	22.131		
6,600.00	6,512.08	7,705.58	7,142.39	30.58	38.45	124.63	-171.38	9.15	1,353.47	1,290.65	62.82	21.546		
6,650.00	6,558.58	7,688.30	7,142.59	30.78	38.22	120.02	-170.81	26.42	1,339.29	1,275.63	63.67	21.036		
6,700.00	6,603.65	7,667.40	7,142.84	30.97	37.94	116.69	-170.13	47.31	1,326.93	1,262.53	64.39	20.606		
6,750.00	6,647.02	7,642.99	7,143.12	31.15	37.61	114.08	-169.34	71.70	1,316.34	1,251.34	64.99	20.253		
6,800.00	6,688.42	7,615.25	7,143.44	31.31	37.23	111.89	-168.43	99.43	1,307.44	1,241.97	65.47	19.970		
6,850.00	6,727.59	7,584.32	7,143.80	31.46	36.84	109.95	-167.43	130.34	1,300.11	1,234.27	65.84	19.746		
6,900.00	6,764.29	7,553.05	7,143.94	31.60	36.11	107.28	-165.42	191.55	1,294.02	1,228.22	65.80	19.666		
6,950.00	6,798.30	7,446.56	7,133.89	31.73	35.26	104.25	-162.87	267.42	1,288.14	1,222.50	65.63	19.627		
7,000.00	6,829.41	7,382.29	7,119.29	31.84	34.61	101.72	-160.71	329.94	1,282.57	1,216.93	65.64	19.539		
7,050.00	6,857.42	7,326.51	7,101.56	32.03	34.09	99.57	-158.84	382.78	1,277.51	1,211.76	65.75	19.431		
7,100.00	6,882.16	7,276.79	7,081.91	32.36	33.68	97.70	-157.20	428.41	1,273.03	1,207.13	65.90	19.318		
7,150.00	6,903.48	7,231.52	7,060.97	32.73	33.33	96.02	-155.72	468.50	1,269.16	1,203.08	66.08	19.206		
7,200.00	6,921.25	7,189.61	7,039.09	33.15	33.03	94.51	-154.38	504.21	1,265.92	1,199.64	66.28	19.099		
7,250.00	6,935.36	7,150.27	7,016.45	33.61	32.78	93.12	-153.15	536.35	1,263.27	1,196.78	66.50	18.997		
7,300.00	6,945.72	7,112.97	6,993.18	34.11	32.56	91.83	-152.02	565.49	1,261.19	1,194.45	66.74	18.898		
7,350.00	6,952.26	7,077.28	6,969.36	34.65	32.36	90.64	-150.96	592.04	1,259.61	1,192.62	66.99	18.803		
7,403.14	6,955.00	7,040.78	6,943.50	35.26	32.17	89.47	-149.92	617.77	1,258.43	1,191.15	67.28	18.704		
7,442.29	6,955.40	7,015.51	6,924.76	35.76	32.04	88.60	-149.21	634.69	1,258.08	1,190.54	67.54	18.628		
7,500.00	6,955.99	6,982.14	6,899.00	36.49	31.88	87.42	-148.32	655.88	1,258.91	1,191.00	67.91	18.538		
7,600.00	6,957.03	6,933.50	6,859.55	37.93	31.67	85.61	-147.08	684.28	1,264.61	1,195.93	68.69	18.412		
7,700.00	6,958.06	6,894.13	6,826.09	39.52	31.50	84.09	-146.14	705.01	1,276.27	1,206.72	69.55	18.351		
7,800.00	6,959.09	6,861.82	6,797.73	41.25	31.37	82.80	-145.41	720.45	1,294.20	1,223.74	70.46	18.369		
7,900.00	6,960.12	6,834.98	6,773.58	43.09	31.26	81.71	-144.83	732.17	1,318.48	1,247.11	71.37	18.474		
8,000.00	6,961.15	6,812.38	6,752.90	45.04	31.17	80.78	-144.37	741.24	1,349.01	1,276.75	72.26	18.669		
8,100.00	6,962.18	6,800.00	6,741.43	47.08	31.12	80.27	-144.13	745.90	1,385.56	1,312.37	73.19	18.932		
8,200.00	6,963.21	6,776.62	6,719.53	49.20	31.03	79.29	-143.69	754.08	1,427.69	1,353.83	73.86	19.330		
8,300.00	6,964.24	6,762.26	6,705.94	51.39	30.98	78.69	-143.43	758.70	1,475.09	1,400.54	74.55	19.787		
8,400.00	6,965.27	6,750.00	6,694.25	53.64	30.93	78.17	-143.22	762.41	1,527.32	1,452.16	75.16	20.320		
8,500.00	6,966.30	6,750.00	6,694.25	55.95	30.93	78.17	-143.22	762.41	1,584.04	1,508.20	75.84	20.887		
8,600.00	6,967.33	6,728.77	6,673.86	58.30	30.85	77.28	-142.87	768.29	1,644.51	1,568.36	76.15	21.596		
8,700.00	6,968.37	6,719.98	6,665.36	60.70	30.81	76.91	-142.73	770.53	1,708.66	1,632.12	76.54	22.325		
8,800.00	6,969.40	6,700.00	6,645.93	63.14	30.74	76.06	-142.42	775.17	1,776.14	1,699.42	76.72	23.152		
8,900.00	6,970.43	6,700.00	6,645.93	65.60	30.74	76.06	-142.42	775.17	1,846.26	1,769.17	77.08	23.951		
9,000.00	6,971.46	6,700.00	6,645.93	68.10	30.74	76.06	-142.42	775.17	1,919.03	1,841.64	77.39	24.797		
9,100.00	6,972.49	6,700.00	6,645.93	70.63	30.74	76.06	-142.42	775.17	1,994.16	1,916.52	77.64	25.683		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	6,700.00	6,645.93	73.18	30.74	76.06	-142.42	775.17	2,071.40	1,993.54	77.85	26.606		
9,300.00	6,974.55	6,682.19	6,628.49	75.75	30.67	75.31	-142.16	778.80	2,150.23	2,072.38	77.85	27.621		
9,400.00	6,975.58	6,677.61	6,624.00	78.34	30.66	75.12	-142.10	779.65	2,230.86	2,152.91	77.95	28.618		
9,500.00	6,976.61	6,673.39	6,619.84	80.94	30.64	74.94	-142.04	780.41	2,312.97	2,234.93	78.04	29.639		
9,600.00	6,977.64	6,669.47	6,615.99	83.56	30.63	74.77	-141.99	781.08	2,396.41	2,318.30	78.10	30.682		
9,700.00	6,978.68	6,650.00	6,596.75	86.20	30.55	73.95	-141.74	784.10	2,481.27	2,403.26	78.01	31.807		
9,800.00	6,979.71	6,650.00	6,596.75	88.85	30.55	73.95	-141.74	784.10	2,566.91	2,488.82	78.09	32.872		
9,900.00	6,980.74	6,650.00	6,596.75	91.51	30.55	73.95	-141.74	784.10	2,653.55	2,575.40	78.15	33.953		
10,000.00	6,981.77	6,650.00	6,596.75	94.19	30.55	73.95	-141.74	784.10	2,741.11	2,662.90	78.21	35.050		
10,100.00	6,982.80	6,650.00	6,596.75	96.87	30.55	73.95	-141.74	784.10	2,829.48	2,751.24	78.25	36.160		
10,200.00	6,983.83	6,650.00	6,596.75	99.56	30.55	73.95	-141.74	784.10	2,918.61	2,840.33	78.28	37.283		
10,300.00	6,984.86	6,650.00	6,596.75	102.27	30.55	73.95	-141.74	784.10	3,008.43	2,930.11	78.31	38.416		
10,400.00	6,985.89	6,650.00	6,596.75	104.98	30.55	73.95	-141.74	784.10	3,098.86	3,020.53	78.34	39.559		
10,500.00	6,986.92	6,650.00	6,596.75	107.69	30.55	73.95	-141.74	784.10	3,189.87	3,111.51	78.35	40.711		
10,600.00	6,987.95	6,650.00	6,596.75	110.41	30.55	73.95	-141.74	784.10	3,281.40	3,203.03	78.37	41.870		
10,700.00	6,988.99	6,650.00	6,596.75	113.14	30.55	73.95	-141.74	784.10	3,373.41	3,295.03	78.38	43.037		
10,800.00	6,990.02	6,650.00	6,596.75	115.88	30.55	73.95	-141.74	784.10	3,465.87	3,387.47	78.39	44.211		
10,900.00	6,991.05	6,650.00	6,596.75	118.62	30.55	73.95	-141.74	784.10	3,558.73	3,480.33	78.40	45.390		
11,000.00	6,992.08	6,650.00	6,596.75	121.37	30.55	73.95	-141.74	784.10	3,651.97	3,573.56	78.41	46.574		
11,100.00	6,993.11	6,650.00	6,596.75	124.12	30.55	73.95	-141.74	784.10	3,745.56	3,667.14	78.42	47.763		
11,200.00	6,994.14	6,650.00	6,596.75	126.87	30.55	73.95	-141.74	784.10	3,839.47	3,761.04	78.43	48.957		
11,300.00	6,995.17	6,650.00	6,596.75	129.63	30.55	73.95	-141.74	784.10	3,933.68	3,855.25	78.43	50.154		
11,400.00	6,996.20	6,628.54	6,575.46	132.39	30.47	73.05	-141.48	786.75	4,027.77	3,949.46	78.31	51.437		
11,500.00	6,997.23	6,627.20	6,574.13	135.16	30.47	73.00	-141.47	786.89	4,122.47	4,044.16	78.31	52.646		
11,600.00	6,998.26	6,625.92	6,572.85	137.93	30.46	72.94	-141.46	787.02	4,217.41	4,139.10	78.31	53.857		
11,700.00	6,999.30	6,624.69	6,571.63	140.70	30.46	72.89	-141.44	787.15	4,312.57	4,234.26	78.31	55.070		
11,800.00	7,000.33	6,623.51	6,570.46	143.48	30.46	72.84	-141.43	787.27	4,407.95	4,329.64	78.31	56.286		
11,900.00	7,001.36	6,622.38	6,569.33	146.26	30.45	72.80	-141.42	787.38	4,503.53	4,425.21	78.32	57.503		
12,000.00	7,002.39	6,621.30	6,568.25	149.04	30.45	72.75	-141.40	787.48	4,599.29	4,520.97	78.32	58.721		
12,100.00	7,003.42	6,600.00	6,547.02	151.82	30.37	71.87	-141.18	789.15	4,695.59	4,617.38	78.21	60.037		
12,200.00	7,004.45	6,600.00	6,547.02	154.61	30.37	71.87	-141.18	789.15	4,791.65	4,713.43	78.23	61.253		
12,300.00	7,005.48	6,600.00	6,547.02	157.40	30.37	71.87	-141.18	789.15	4,887.88	4,809.64	78.24	62.470		
12,400.00	7,006.51	6,600.00	6,547.02	160.19	30.37	71.87	-141.18	789.15	4,984.25	4,905.99	78.26	63.688		
12,500.00	7,007.54	6,600.00	6,547.02	162.98	30.37	71.87	-141.18	789.15	5,080.77	5,002.49	78.28	64.906		
12,600.00	7,008.57	6,600.00	6,547.02	165.78	30.37	71.87	-141.18	789.15	5,177.41	5,099.11	78.30	66.125		
12,700.00	7,009.61	6,600.00	6,547.02	168.58	30.37	71.87	-141.18	789.15	5,274.18	5,195.87	78.32	67.344		
12,800.00	7,010.64	6,600.00	6,547.02	171.38	30.37	71.87	-141.18	789.15	5,371.07	5,292.73	78.34	68.562		
12,900.00	7,011.67	6,600.00	6,547.02	174.18	30.37	71.87	-141.18	789.15	5,468.07	5,389.71	78.36	69.781		
13,000.00	7,012.70	6,600.00	6,547.02	176.98	30.37	71.87	-141.18	789.15	5,565.18	5,486.80	78.38	71.000		
13,100.00	7,013.73	6,600.00	6,547.02	179.78	30.37	71.87	-141.18	789.15	5,662.39	5,583.98	78.41	72.218		
13,200.00	7,014.76	6,600.00	6,547.02	182.59	30.37	71.87	-141.18	789.15	5,759.69	5,681.26	78.43	73.435		
13,300.00	7,015.79	6,600.00	6,547.02	185.39	30.37	71.87	-141.18	789.15	5,857.09	5,778.63	78.46	74.652		
13,400.00	7,016.82	6,600.00	6,547.02	188.20	30.37	71.87	-141.18	789.15	5,954.57	5,876.08	78.49	75.869		
13,500.00	7,017.85	6,600.00	6,547.02	191.01	30.37	71.87	-141.18	789.15	6,052.13	5,973.62	78.51	77.084		
13,600.00	7,018.88	6,600.00	6,547.02	193.82	30.37	71.87	-141.18	789.15	6,149.77	6,071.23	78.54	78.299		
13,700.00	7,019.91	6,600.00	6,547.02	196.63	30.37	71.87	-141.18	789.15	6,247.49	6,168.92	78.57	79.512		
13,800.00	7,020.95	6,600.00	6,547.02	199.44	30.37	71.87	-141.18	789.15	6,345.28	6,266.67	78.60	80.725		
13,900.00	7,021.98	6,600.00	6,547.02	202.26	30.37	71.87	-141.18	789.15	6,443.13	6,364.50	78.64	81.936		
14,000.00	7,023.01	6,600.00	6,547.02	205.07	30.37	71.87	-141.18	789.15	6,541.05	6,462.38	78.67	83.146		
14,100.00	7,024.04	6,600.00	6,547.02	207.89	30.37	71.87	-141.18	789.15	6,639.03	6,560.33	78.70	84.354		
14,200.00	7,025.07	6,600.00	6,547.02	210.70	30.37	71.87	-141.18	789.15	6,737.08	6,658.34	78.74	85.561		
14,300.00	7,026.10	6,600.00	6,547.02	213.52	30.37	71.87	-141.18	789.15	6,835.17	6,756.40	78.78	86.767		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	6,600.00	6,547.02	216.34	30.37	71.87	-141.18	789.15	6,933.33	6,854.51	78.81	87.971		
14,500.00	7,028.16	6,600.00	6,547.02	219.16	30.37	71.87	-141.18	789.15	7,031.53	6,952.68	78.85	89.173		
14,600.00	7,029.19	6,600.00	6,547.02	221.98	30.37	71.87	-141.18	789.15	7,129.79	7,050.89	78.89	90.374		
14,700.00	7,030.22	6,600.00	6,547.02	224.80	30.37	71.87	-141.18	789.15	7,228.09	7,149.15	78.93	91.573		
14,800.00	7,031.26	6,600.00	6,547.02	227.62	30.37	71.87	-141.18	789.15	7,326.44	7,247.46	78.97	92.770		
14,900.00	7,032.29	6,600.00	6,547.02	230.44	30.37	71.87	-141.18	789.15	7,424.83	7,345.81	79.02	93.965		
15,000.00	7,033.32	6,600.00	6,547.02	233.26	30.37	71.87	-141.18	789.15	7,523.26	7,444.20	79.06	95.158		
15,100.00	7,034.35	6,600.00	6,547.02	236.09	30.37	71.87	-141.18	789.15	7,621.74	7,542.63	79.11	96.350		
15,200.00	7,035.38	6,600.00	6,547.02	238.91	30.37	71.87	-141.18	789.15	7,720.25	7,641.10	79.15	97.539		
15,300.00	7,036.41	6,600.00	6,547.02	241.74	30.37	71.87	-141.18	789.15	7,818.81	7,739.61	79.20	98.726		
15,400.00	7,037.44	6,600.00	6,547.02	244.56	30.37	71.87	-141.18	789.15	7,917.39	7,838.15	79.24	99.911		
15,500.00	7,038.47	6,600.00	6,547.02	247.39	30.37	71.87	-141.18	789.15	8,016.02	7,936.73	79.29	101.093		
15,600.00	7,039.50	6,600.00	6,547.02	250.21	30.37	71.87	-141.18	789.15	8,114.68	8,035.33	79.34	102.274		
15,700.00	7,040.53	6,600.00	6,547.02	253.04	30.37	71.87	-141.18	789.15	8,213.37	8,133.97	79.39	103.452		
15,800.00	7,041.57	6,600.00	6,547.02	255.87	30.37	71.87	-141.18	789.15	8,312.09	8,232.64	79.44	104.628		
15,900.00	7,042.60	6,600.00	6,547.02	258.70	30.37	71.87	-141.18	789.15	8,410.84	8,331.34	79.50	105.802		
16,000.00	7,043.63	6,600.00	6,547.02	261.53	30.37	71.87	-141.18	789.15	8,509.62	8,430.07	79.55	106.973		
16,100.00	7,044.66	6,600.00	6,547.02	264.35	30.37	71.87	-141.18	789.15	8,608.43	8,528.82	79.60	108.141		
16,200.00	7,045.69	6,600.00	6,547.02	267.18	30.37	71.87	-141.18	789.15	8,707.26	8,627.60	79.66	109.308		
16,300.00	7,046.72	6,600.00	6,547.02	270.01	30.37	71.87	-141.18	789.15	8,806.13	8,726.41	79.71	110.471		
16,400.00	7,047.75	6,600.00	6,547.02	272.84	30.37	71.87	-141.18	789.15	8,905.01	8,825.24	79.77	111.632		
16,500.00	7,048.78	6,600.00	6,547.02	275.67	30.37	71.87	-141.18	789.15	9,003.93	8,924.10	79.83	112.791		
16,600.00	7,049.81	6,600.00	6,547.02	278.51	30.37	71.87	-141.18	789.15	9,102.86	9,022.97	79.89	113.947		
16,700.00	7,050.84	6,600.00	6,547.02	281.34	30.37	71.87	-141.18	789.15	9,201.82	9,121.87	79.95	115.100		
16,800.00	7,051.88	6,600.00	6,547.02	284.17	30.37	71.87	-141.18	789.15	9,300.80	9,220.79	80.01	116.251		
16,900.00	7,052.91	6,600.00	6,547.02	287.00	30.37	71.87	-141.18	789.15	9,399.80	9,319.74	80.07	117.398		
17,000.00	7,053.94	6,600.00	6,547.02	289.83	30.37	71.87	-141.18	789.15	9,498.83	9,418.70	80.13	118.544		
17,100.00	7,054.97	6,600.00	6,547.02	292.67	30.37	71.87	-141.18	789.15	9,597.87	9,517.68	80.19	119.686		
17,200.00	7,056.00	6,600.00	6,547.02	295.50	30.37	71.87	-141.18	789.15	9,696.94	9,616.68	80.26	120.826		
17,300.00	7,057.03	6,600.00	6,547.02	298.33	30.37	71.87	-141.18	789.15	9,796.02	9,715.70	80.32	121.962		
17,400.00	7,058.06	6,600.00	6,547.02	301.17	30.37	71.87	-141.18	789.15	9,895.12	9,814.73	80.39	123.096		
17,500.00	7,059.09	6,600.00	6,547.02	304.00	30.37	71.87	-141.18	789.15	9,994.24	9,913.79	80.45	124.227		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-174.37	-104.55	-10.30	105.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.37	-104.55	-10.30	105.06	98.49	6.57	15.992		
200.00	200.00	200.00	200.00	3.34	3.34	-174.37	-104.55	-10.30	105.06	98.39	6.67	15.742 CC, ES		
300.00	299.98	301.37	301.35	3.45	3.45	-172.51	-104.03	-8.58	106.13	99.23	6.89	15.399		
400.00	399.84	402.46	402.29	3.61	3.61	-175.47	-102.48	-3.46	109.52	102.31	7.22	15.178		
500.00	499.45	502.98	502.42	3.82	3.82	-179.98	-99.91	5.02	115.77	108.13	7.64	15.158		
600.00	598.70	602.66	601.34	4.07	4.08	174.55	-96.36	16.74	125.55	117.40	8.15	15.404		
680.00	677.76	681.63	679.36	4.29	4.34	169.90	-92.84	28.36	136.35	127.72	8.63	15.806		
700.00	697.48	701.25	698.70	4.35	4.40	168.75	-91.87	31.56	139.43	130.67	8.75	15.927		
800.00	796.08	801.14	794.53	4.66	4.78	163.00	-86.50	49.29	155.63	146.19	9.43	16.496		
900.00	894.68	903.71	890.00	4.98	5.22	158.04	-80.87	67.87	173.22	163.02	10.19	16.997		
1,000.00	993.28	1,006.29	985.47	5.34	5.69	154.01	-75.24	86.46	191.85	180.85	10.99	17.451		
1,100.00	1,091.88	1,108.87	1,080.94	5.71	6.19	150.69	-69.62	105.04	211.24	199.41	11.83	17.857		
1,200.00	1,190.48	1,188.56	1,176.41	6.10	6.60	147.93	-63.99	123.62	231.21	218.64	12.58	18.383		
1,300.00	1,289.07	1,285.98	1,271.88	6.49	7.10	145.61	-58.36	142.20	251.62	238.19	13.43	18.734		
1,400.00	1,387.67	1,383.40	1,367.34	6.90	7.62	143.64	-52.73	160.78	272.37	258.07	14.30	19.045		
1,500.00	1,486.27	1,480.82	1,462.81	7.31	8.15	141.95	-47.10	179.36	293.38	278.20	15.18	19.321		
1,600.00	1,584.87	1,578.25	1,558.28	7.73	8.68	140.48	-41.47	197.95	314.61	298.53	16.08	19.566		
1,700.00	1,683.47	1,675.67	1,653.75	8.16	9.22	139.20	-35.84	216.53	336.01	319.03	16.98	19.785		
1,800.00	1,782.07	1,773.09	1,749.22	8.59	9.77	138.07	-30.22	235.11	357.55	339.66	17.90	19.980		
1,900.00	1,880.67	1,870.52	1,844.69	9.02	10.32	137.07	-24.59	253.69	379.21	360.40	18.81	20.156		
2,000.00	1,979.27	1,967.94	1,940.16	9.46	10.88	136.18	-18.96	272.27	400.97	381.23	19.74	20.314		
2,100.00	2,077.87	2,065.36	2,035.63	9.90	11.44	135.38	-13.33	290.85	422.81	402.15	20.67	20.457		
2,200.00	2,176.47	2,162.79	2,131.10	10.35	12.00	134.65	-7.70	309.44	444.73	423.12	21.60	20.587		
2,300.00	2,275.07	2,260.21	2,226.56	10.79	12.57	134.00	-2.07	328.02	466.70	444.16	22.54	20.705		
2,400.00	2,373.67	2,357.63	2,322.03	11.24	13.13	133.40	3.56	346.60	488.73	465.25	23.48	20.813		
2,500.00	2,472.27	2,455.06	2,417.50	11.69	13.70	132.86	9.19	365.18	510.80	486.38	24.43	20.912		
2,600.00	2,570.87	2,552.48	2,512.97	12.14	14.27	132.36	14.81	383.76	532.92	507.54	25.37	21.002		
2,700.00	2,669.47	2,649.90	2,608.44	12.59	14.85	131.90	20.44	402.34	555.07	528.74	26.32	21.086		
2,800.00	2,768.07	2,747.33	2,703.91	13.04	15.42	131.48	26.07	420.92	577.25	549.97	27.28	21.163		
2,900.00	2,866.67	2,844.75	2,799.38	13.50	16.00	131.08	31.70	439.51	599.46	571.23	28.23	21.235		
3,000.00	2,965.27	2,942.17	2,894.85	13.95	16.57	130.72	37.33	458.09	621.69	592.50	29.19	21.301		
3,100.00	3,063.87	3,039.59	2,990.32	14.41	17.15	130.38	42.96	476.67	643.95	613.80	30.14	21.363		
3,200.00	3,162.47	3,137.02	3,085.78	14.87	17.73	130.06	48.59	495.25	666.22	635.12	31.10	21.420		
3,300.00	3,261.07	3,234.44	3,181.25	15.32	18.31	129.76	54.22	513.83	688.52	656.45	32.06	21.474		
3,400.00	3,359.67	3,331.86	3,276.72	15.78	18.88	129.49	59.84	532.41	710.83	677.80	33.02	21.524		
3,500.00	3,458.27	3,429.29	3,372.19	16.24	19.46	129.23	65.47	551.00	733.15	699.17	33.99	21.571		
3,600.00	3,556.87	3,526.71	3,467.66	16.70	20.05	128.98	71.10	569.58	755.49	720.54	34.95	21.616		
3,700.00	3,655.47	3,624.13	3,563.13	17.16	20.63	128.75	76.73	588.16	777.84	741.93	35.92	21.657		
3,800.00	3,754.06	3,721.56	3,658.60	17.62	21.21	128.53	82.36	606.74	800.21	763.33	36.88	21.697		
3,900.00	3,852.66	3,818.98	3,754.07	18.08	21.79	128.32	87.99	625.32	822.58	784.73	37.85	21.734		
4,000.00	3,951.26	3,916.40	3,849.54	18.54	22.37	128.13	93.62	643.90	844.96	806.15	38.82	21.769		
4,100.00	4,049.86	4,013.83	3,945.00	19.01	22.96	127.94	99.25	662.48	867.36	827.57	39.78	21.802		
4,200.00	4,148.46	4,111.25	4,040.47	19.47	23.54	127.76	104.87	681.07	889.76	849.00	40.75	21.833		
4,300.00	4,247.06	4,208.67	4,135.94	19.93	24.12	127.60	110.50	699.65	912.17	870.44	41.72	21.863		
4,400.00	4,345.66	4,306.10	4,231.41	20.39	24.71	127.44	116.13	718.23	934.58	891.89	42.69	21.891		
4,500.00	4,444.26	4,403.52	4,326.88	20.86	25.29	127.29	121.76	736.81	957.00	913.34	43.66	21.918		
4,600.00	4,542.86	4,500.94	4,422.35	21.32	25.87	127.14	127.39	755.39	979.43	934.80	44.63	21.944		
4,700.00	4,641.46	4,623.34	4,542.72	21.78	26.57	127.07	133.80	776.55	1,000.73	954.90	45.83	21.936		
4,800.00	4,740.06	4,748.87	4,667.05	22.25	27.21	127.25	138.82	793.12	1,019.41	972.42	46.99	21.693		
4,900.00	4,838.66	4,875.25	4,792.85	22.71	27.79	127.67	142.27	804.52	1,035.43	987.34	48.09	21.529		
5,000.00	4,937.26	5,001.98	4,919.41	23.18	28.29	128.31	144.12	810.62	1,048.85	999.71	49.13	21.346		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,035.86	5,118.44	5,035.86	23.64	28.68	129.09	144.45	811.70	1,059.91	1,009.84	50.07	21.169		
5,200.00	5,134.46	5,217.04	5,134.46	24.11	29.01	129.78	144.45	811.70	1,070.59	1,019.67	50.92	21.023		
5,300.00	5,233.06	5,315.64	5,233.06	24.57	29.34	130.45	144.45	811.70	1,081.43	1,029.65	51.78	20.885		
5,400.00	5,331.66	5,414.24	5,331.66	25.04	29.67	131.11	144.45	811.70	1,092.41	1,039.77	52.63	20.755		
5,500.00	5,430.26	5,512.84	5,430.26	25.50	30.00	131.76	144.45	811.70	1,103.53	1,050.04	53.49	20.631		
5,600.00	5,528.86	5,611.44	5,528.86	25.97	30.33	132.40	144.45	811.70	1,114.79	1,060.45	54.34	20.515		
5,700.00	5,627.46	5,710.04	5,627.46	26.43	30.67	133.02	144.45	811.70	1,126.19	1,071.00	55.19	20.404		
5,800.00	5,726.06	5,808.64	5,726.06	26.90	31.01	133.63	144.45	811.70	1,137.72	1,081.67	56.05	20.299		
5,900.00	5,824.66	5,907.24	5,824.66	27.36	31.35	134.23	144.45	811.70	1,149.37	1,092.47	56.90	20.200		
6,000.00	5,923.26	6,005.84	5,923.26	27.83	31.70	134.81	144.45	811.70	1,161.15	1,103.40	57.75	20.105		
6,100.00	6,021.86	6,104.43	6,021.86	28.30	32.04	135.39	144.45	811.70	1,173.05	1,114.44	58.61	20.016		
6,200.00	6,120.46	6,203.03	6,120.46	28.76	32.39	135.95	144.45	811.70	1,185.06	1,125.60	59.46	19.931		
6,300.00	6,219.06	6,295.95	6,219.06	29.23	32.73	-178.93	110.38	-24.15	1,184.87	1,130.28	54.59	21.707		
6,405.66	6,323.24	6,374.84	6,323.24	29.72	32.97	-178.99	110.43	-23.04	1,130.09	1,072.14	57.96	19.499		
6,450.00	6,366.93	6,472.83	6,366.93	29.93	32.98	160.34	110.51	-21.04	1,109.29	1,049.95	59.34	18.693		
6,500.00	6,415.96	6,466.88	6,415.96	30.15	32.99	142.76	110.75	-15.09	1,087.56	1,026.74	60.82	17.881		
6,550.00	6,464.44	6,515.05	6,464.44	30.37	32.94	131.75	111.15	-5.27	1,067.83	1,005.64	62.19	17.171		
6,600.00	6,512.08	6,563.41	6,512.08	30.58	32.94	124.82	111.71	8.36	1,050.24	986.82	63.42	16.560		
6,650.00	6,558.58	6,609.04	6,558.58	30.78	32.97	120.11	112.42	25.72	1,034.85	970.36	64.50	16.045		
6,700.00	6,603.65	6,654.04	6,603.65	30.97	32.94	116.60	113.27	46.69	1,021.68	956.29	65.39	15.623		
6,750.00	6,647.02	6,698.56	6,647.02	31.15	32.93	113.75	114.27	71.16	1,010.68	944.50	66.18	15.272		
6,800.00	6,688.42	6,739.03	6,688.42	31.31	32.97	111.25	115.40	98.96	1,001.73	934.94	66.79	14.998		
6,850.00	6,727.59	6,778.13	6,727.59	31.46	32.98	108.96	116.66	129.93	994.67	927.43	67.24	14.793		
6,900.00	6,764.29	6,815.03	6,764.29	31.60	32.99	106.92	117.93	161.10	989.29	921.71	67.58	14.639		
6,950.00	6,798.30	6,849.25	6,798.30	31.73	32.98	103.97	120.30	219.29	985.07	917.46	67.61	14.569		
7,000.00	6,829.41	6,879.25	6,829.41	31.84	32.97	101.34	122.45	271.92	981.46	913.77	67.69	14.498		
7,050.00	6,857.42	6,907.38	6,857.42	32.03	32.96	98.96	124.40	319.85	978.53	910.73	67.80	14.432		
7,100.00	6,882.16	6,932.80	6,882.16	32.36	32.96	96.78	126.19	363.80	976.28	908.37	67.91	14.376		
7,150.00	6,903.48	6,953.88	6,903.48	32.73	32.95	94.76	127.84	404.30	974.71	906.68	68.02	14.329		
7,200.00	6,921.25	6,971.12	6,921.25	33.15	32.93	92.88	129.37	441.81	973.77	905.64	68.13	14.292		
7,250.00	6,935.36	6,985.23	6,935.36	33.61	32.93	91.12	130.79	476.66	973.42	905.17	68.25	14.262		
7,257.69	6,937.20	6,987.20	6,937.20	33.69	32.93	90.86	131.00	481.80	973.41	905.14	68.27	14.258		
7,300.00	6,945.72	6,995.53	6,945.72	34.11	32.91	89.47	132.11	509.12	973.59	905.21	68.38	14.238		
7,350.00	6,952.26	7,002.66	6,952.26	34.65	32.90	87.92	133.35	539.40	974.20	905.69	68.51	14.220		
7,403.14	6,955.00	7,005.04	6,955.00	35.26	32.90	86.39	134.57	569.38	975.26	906.59	68.67	14.202		
7,500.00	6,955.99	7,005.99	6,955.99	36.49	32.91	83.99	136.47	615.87	979.93	910.92	69.01	14.200 SF		
7,600.00	6,957.03	7,006.93	6,957.03	37.93	32.92	81.72	137.97	652.80	990.52	921.16	69.36	14.282		
7,700.00	6,958.06	7,007.96	6,958.06	39.52	32.97	79.71	139.13	681.15	1,007.76	938.08	69.68	14.463		
7,800.00	6,959.09	7,008.99	6,959.09	41.25	33.03	77.78	140.10	705.06	1,032.04	962.12	69.92	14.760		
7,900.00	6,960.12	7,009.99	6,960.12	43.09	33.00	76.42	140.72	720.26	1,063.38	993.16	70.22	15.144		
8,000.00	6,961.15	7,010.00	6,961.15	45.04	32.99	75.37	141.16	731.09	1,101.60	1,031.09	70.52	15.622		
8,100.00	6,962.18	7,010.79	6,962.18	47.08	32.96	73.94	141.72	744.72	1,146.20	1,075.60	70.59	16.236		
8,200.00	6,963.21	7,011.00	6,963.21	49.20	32.94	72.91	142.08	753.69	1,196.72	1,126.00	70.72	16.922		
8,300.00	6,964.24	7,011.52	6,964.24	51.39	32.91	72.04	142.37	760.76	1,252.58	1,181.75	70.83	17.684		
8,400.00	6,965.27	7,011.80	6,965.27	53.64	32.90	71.26	142.61	766.74	1,313.19	1,242.29	70.91	18.520		
8,500.00	6,966.30	7,012.00	6,966.30	55.95	32.88	70.43	142.86	772.73	1,378.03	1,307.10	70.92	19.430		
8,600.00	6,967.33	7,012.00	6,967.33	58.30	32.88	70.43	142.86	772.73	1,446.64	1,375.48	71.16	20.330		
8,700.00	6,968.37	7,012.00	6,968.37	60.70	32.84	69.40	143.14	779.55	1,518.33	1,447.28	71.05	21.371		
8,800.00	6,969.40	7,012.00	6,969.40	63.14	32.83	68.90	143.26	782.62	1,592.95	1,521.88	71.07	22.414		
8,900.00	6,970.43	7,012.00	6,970.43	65.60	32.80	67.95	143.48	788.09	1,670.16	1,599.21	70.95	23.541		
9,000.00	6,971.46	7,012.00	6,971.46	68.10	32.80	67.95	143.48	788.09	1,749.36	1,678.28	71.07	24.613		
9,100.00	6,972.49	7,012.00	6,972.49	70.63	32.80	67.95	143.48	788.09	1,830.59	1,759.42	71.18	25.718		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,200.00	6,973.52	6,650.00	6,565.26	73.18	33.80	67.95	143.48	788.09	1,913.61	1,842.35	71.26	26.853		
9,300.00	6,974.55	6,631.06	6,546.95	75.75	33.76	67.02	143.68	792.93	1,997.84	1,926.72	71.12	28.093		
9,400.00	6,975.58	6,625.19	6,541.25	78.34	33.75	66.73	143.74	794.32	2,083.53	2,012.42	71.12	29.297		
9,500.00	6,976.61	6,619.76	6,535.96	80.94	33.74	66.47	143.79	795.55	2,170.40	2,099.28	71.12	30.518		
9,600.00	6,977.64	6,600.00	6,516.64	83.56	33.71	65.51	143.96	799.67	2,258.50	2,187.53	70.97	31.825		
9,700.00	6,978.68	6,600.00	6,516.64	86.20	33.71	65.51	143.96	799.67	2,347.22	2,276.19	71.02	33.049		
9,800.00	6,979.71	6,600.00	6,516.64	88.85	33.71	65.51	143.96	799.67	2,436.81	2,365.74	71.07	34.288		
9,900.00	6,980.74	6,600.00	6,516.64	91.51	33.71	65.51	143.96	799.67	2,527.18	2,456.07	71.11	35.538		
10,000.00	6,981.77	6,600.00	6,516.64	94.19	33.71	65.51	143.96	799.67	2,618.25	2,547.10	71.15	36.800		
10,100.00	6,982.80	6,600.00	6,516.64	96.87	33.71	65.51	143.96	799.67	2,709.95	2,638.77	71.18	38.070		
10,200.00	6,983.83	6,600.00	6,516.64	99.56	33.71	65.51	143.96	799.67	2,802.22	2,731.01	71.21	39.350		
10,300.00	6,984.86	6,600.00	6,516.64	102.27	33.71	65.51	143.96	799.67	2,895.00	2,823.76	71.24	40.636		
10,400.00	6,985.89	6,600.00	6,516.64	104.98	33.71	65.51	143.96	799.67	2,988.25	2,916.98	71.27	41.929		
10,500.00	6,986.92	6,600.00	6,516.64	107.69	33.71	65.51	143.96	799.67	3,081.92	3,010.63	71.30	43.228		
10,600.00	6,987.95	6,579.13	6,496.10	110.41	33.66	64.50	144.11	803.37	3,175.58	3,104.42	71.17	44.623		
10,700.00	6,988.99	6,576.59	6,493.59	113.14	33.65	64.38	144.12	803.78	3,269.89	3,198.72	71.18	45.941		
10,800.00	6,990.02	6,574.18	6,491.21	115.88	33.65	64.26	144.14	804.15	3,364.52	3,293.33	71.19	47.263		
10,900.00	6,991.05	6,571.89	6,488.95	118.62	33.64	64.16	144.15	804.50	3,459.44	3,388.24	71.20	48.587		
11,000.00	6,992.08	6,550.00	6,467.25	121.37	33.59	63.12	144.27	807.41	3,554.98	3,483.90	71.08	50.015		
11,100.00	6,993.11	6,550.00	6,467.25	124.12	33.59	63.12	144.27	807.41	3,650.35	3,579.24	71.11	51.333		
11,200.00	6,994.14	6,550.00	6,467.25	126.87	33.59	63.12	144.27	807.41	3,745.96	3,674.81	71.14	52.653		
11,300.00	6,995.17	6,550.00	6,467.25	129.63	33.59	63.12	144.27	807.41	3,841.79	3,770.61	71.18	53.975		
11,400.00	6,996.20	6,550.00	6,467.25	132.39	33.59	63.12	144.27	807.41	3,937.83	3,866.62	71.21	55.299		
11,500.00	6,997.23	6,550.00	6,467.25	135.16	33.59	63.12	144.27	807.41	4,034.06	3,962.82	71.24	56.624		
11,600.00	6,998.26	6,550.00	6,467.25	137.93	33.59	63.12	144.27	807.41	4,130.48	4,059.20	71.28	57.950		
11,700.00	6,999.30	6,550.00	6,467.25	140.70	33.59	63.12	144.27	807.41	4,227.05	4,155.74	71.31	59.276		
11,800.00	7,000.33	6,550.00	6,467.25	143.48	33.59	63.12	144.27	807.41	4,323.79	4,252.44	71.35	60.603		
11,900.00	7,001.36	6,550.00	6,467.25	146.26	33.59	63.12	144.27	807.41	4,420.67	4,349.29	71.38	61.931		
12,000.00	7,002.39	6,550.00	6,467.25	149.04	33.59	63.12	144.27	807.41	4,517.68	4,446.27	71.42	63.258		
12,100.00	7,003.42	6,550.00	6,467.25	151.82	33.59	63.12	144.27	807.41	4,614.83	4,543.37	71.45	64.585		
12,200.00	7,004.45	6,550.00	6,467.25	154.61	33.59	63.12	144.27	807.41	4,712.09	4,640.60	71.49	65.912		
12,300.00	7,005.48	6,550.00	6,467.25	157.40	33.59	63.12	144.27	807.41	4,809.46	4,737.93	71.53	67.238		
12,400.00	7,006.51	6,550.00	6,467.25	160.19	33.59	63.12	144.27	807.41	4,906.94	4,835.38	71.57	68.564		
12,500.00	7,007.54	6,550.00	6,467.25	162.98	33.59	63.12	144.27	807.41	5,004.52	4,932.92	71.61	69.889		
12,600.00	7,008.57	6,550.00	6,467.25	165.78	33.59	63.12	144.27	807.41	5,102.20	5,030.55	71.65	71.213		
12,700.00	7,009.61	6,550.00	6,467.25	168.58	33.59	63.12	144.27	807.41	5,199.96	5,128.27	71.69	72.535		
12,800.00	7,010.64	6,550.00	6,467.25	171.38	33.59	63.12	144.27	807.41	5,297.80	5,226.07	71.73	73.857		
12,900.00	7,011.67	6,550.00	6,467.25	174.18	33.59	63.12	144.27	807.41	5,395.73	5,323.96	71.77	75.177		
13,000.00	7,012.70	6,550.00	6,467.25	176.98	33.59	63.12	144.27	807.41	5,493.73	5,421.91	71.82	76.496		
13,100.00	7,013.73	6,550.00	6,467.25	179.78	33.59	63.12	144.27	807.41	5,591.80	5,519.94	71.86	77.813		
13,200.00	7,014.76	6,550.00	6,467.25	182.59	33.59	63.12	144.27	807.41	5,689.94	5,618.03	71.91	79.129		
13,300.00	7,015.79	6,550.00	6,467.25	185.39	33.59	63.12	144.27	807.41	5,788.14	5,716.18	71.95	80.442		
13,400.00	7,016.82	6,550.00	6,467.25	188.20	33.59	63.12	144.27	807.41	5,886.40	5,814.40	72.00	81.754		
13,500.00	7,017.85	6,550.00	6,467.25	191.01	33.59	63.12	144.27	807.41	5,984.72	5,912.67	72.05	83.064		
13,600.00	7,018.88	6,550.00	6,467.25	193.82	33.59	63.12	144.27	807.41	6,083.09	6,010.99	72.10	84.372		
13,700.00	7,019.91	6,550.00	6,467.25	196.63	33.59	63.12	144.27	807.41	6,181.52	6,109.37	72.15	85.678		
13,800.00	7,020.95	6,550.00	6,467.25	199.44	33.59	63.12	144.27	807.41	6,279.99	6,207.79	72.20	86.981		
13,900.00	7,021.98	6,550.00	6,467.25	202.26	33.59	63.12	144.27	807.41	6,378.52	6,306.27	72.25	88.283		
14,000.00	7,023.01	6,550.00	6,467.25	205.07	33.59	63.12	144.27	807.41	6,477.09	6,404.78	72.30	89.581		
14,100.00	7,024.04	6,550.00	6,467.25	207.89	33.59	63.12	144.27	807.41	6,575.70	6,503.34	72.36	90.878		
14,200.00	7,025.07	6,550.00	6,467.25	210.70	33.59	63.12	144.27	807.41	6,674.35	6,601.94	72.41	92.172		
14,300.00	7,026.10	6,550.00	6,467.25	213.52	33.59	63.12	144.27	807.41	6,773.04	6,700.58	72.47	93.463		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
14,400.00	7,027.13	6,550.00	6,467.25	216.34	33.59	63.12	144.27	807.41	6,871.77	6,799.25	72.52	94.752		
14,500.00	7,028.16	6,550.00	6,467.25	219.16	33.59	63.12	144.27	807.41	6,970.54	6,897.96	72.58	96.039		
14,600.00	7,029.19	6,550.00	6,467.25	221.98	33.59	63.12	144.27	807.41	7,069.34	6,996.70	72.64	97.322		
14,700.00	7,030.22	6,550.00	6,467.25	224.80	33.59	63.12	144.27	807.41	7,168.18	7,095.48	72.70	98.603		
14,800.00	7,031.26	6,550.00	6,467.25	227.62	33.59	63.12	144.27	807.41	7,267.04	7,194.28	72.76	99.881		
14,900.00	7,032.29	6,527.15	6,444.51	230.44	33.52	62.06	144.36	809.65	7,365.50	7,292.78	72.72	101.290		
15,000.00	7,033.32	6,526.59	6,443.96	233.26	33.52	62.03	144.36	809.69	7,464.40	7,391.62	72.78	102.566		
15,100.00	7,034.35	6,526.05	6,443.42	236.09	33.52	62.00	144.37	809.74	7,563.33	7,490.50	72.84	103.839		
15,200.00	7,035.38	6,525.53	6,442.90	238.91	33.52	61.98	144.37	809.78	7,662.29	7,589.40	72.90	105.109		
15,300.00	7,036.41	6,525.02	6,442.39	241.74	33.52	61.96	144.37	809.82	7,761.28	7,688.32	72.96	106.376		
15,400.00	7,037.44	6,524.51	6,441.89	244.56	33.52	61.93	144.37	809.85	7,860.29	7,787.27	73.02	107.640		
15,500.00	7,038.47	6,524.02	6,441.40	247.39	33.52	61.91	144.37	809.89	7,959.33	7,886.24	73.09	108.900		
15,600.00	7,039.50	6,523.55	6,440.92	250.21	33.51	61.89	144.37	809.93	8,058.39	7,985.24	73.15	110.158		
15,700.00	7,040.53	6,523.08	6,440.46	253.04	33.51	61.87	144.37	809.96	8,157.47	8,084.25	73.22	111.412		
15,800.00	7,041.57	6,500.00	6,417.42	255.87	33.45	60.81	144.43	811.25	8,257.01	8,183.82	73.19	112.816		
15,900.00	7,042.60	6,500.00	6,417.42	258.70	33.45	60.81	144.43	811.25	8,356.12	8,282.86	73.26	114.061		
16,000.00	7,043.63	6,500.00	6,417.42	261.53	33.45	60.81	144.43	811.25	8,455.24	8,381.91	73.33	115.303		
16,100.00	7,044.66	6,500.00	6,417.42	264.35	33.45	60.81	144.43	811.25	8,554.39	8,480.99	73.40	116.541		
16,200.00	7,045.69	6,500.00	6,417.42	267.18	33.45	60.81	144.43	811.25	8,653.56	8,580.09	73.47	117.776		
16,300.00	7,046.72	6,500.00	6,417.42	270.01	33.45	60.81	144.43	811.25	8,752.75	8,679.20	73.55	119.008		
16,400.00	7,047.75	6,500.00	6,417.42	272.84	33.45	60.81	144.43	811.25	8,851.96	8,778.33	73.62	120.236		
16,500.00	7,048.78	6,500.00	6,417.42	275.67	33.45	60.81	144.43	811.25	8,951.18	8,877.48	73.70	121.461		
16,600.00	7,049.81	6,500.00	6,417.42	278.51	33.45	60.81	144.43	811.25	9,050.42	8,976.65	73.77	122.682		
16,700.00	7,050.84	6,500.00	6,417.42	281.34	33.45	60.81	144.43	811.25	9,149.68	9,075.83	73.85	123.899		
16,800.00	7,051.88	6,500.00	6,417.42	284.17	33.45	60.81	144.43	811.25	9,248.95	9,175.03	73.92	125.114		
16,900.00	7,052.91	6,500.00	6,417.42	287.00	33.45	60.81	144.43	811.25	9,348.24	9,274.24	74.00	126.324		
17,000.00	7,053.94	6,500.00	6,417.42	289.83	33.45	60.81	144.43	811.25	9,447.54	9,373.46	74.08	127.531		
17,100.00	7,054.97	6,500.00	6,417.42	292.67	33.45	60.81	144.43	811.25	9,546.86	9,472.70	74.16	128.734		
17,200.00	7,056.00	6,500.00	6,417.42	295.50	33.45	60.81	144.43	811.25	9,646.19	9,571.96	74.24	129.934		
17,300.00	7,057.03	6,500.00	6,417.42	298.33	33.45	60.81	144.43	811.25	9,745.54	9,671.22	74.32	131.130		
17,400.00	7,058.06	6,500.00	6,417.42	301.17	33.45	60.81	144.43	811.25	9,844.90	9,770.50	74.40	132.322		
17,500.00	7,059.09	6,500.00	6,417.42	304.00	33.45	60.81	144.43	811.25	9,944.27	9,869.79	74.48	133.510		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.41	-179.24	-17.54	180.09					
100.00	100.00	100.00	100.00	3.28	3.28	-174.41	-179.24	-17.54	180.09	173.52	6.57	27.414		
200.00	200.00	200.00	200.00	3.34	3.34	-174.41	-179.24	-17.54	180.09	173.42	6.67	26.984 CC, ES		
300.00	299.98	299.98	299.98	3.45	3.44	-171.59	-179.24	-17.54	181.82	174.93	6.89	26.387		
400.00	399.84	395.72	395.71	3.61	3.59	-172.17	-180.39	-16.43	188.09	180.89	7.20	26.112 SF		
500.00	499.45	490.60	490.46	3.82	3.77	-173.49	-183.80	-13.13	200.05	192.45	7.60	26.306		
600.00	598.70	584.06	583.60	4.07	3.99	-175.33	-189.36	-7.76	217.82	209.74	8.08	26.945		
680.00	677.76	657.46	656.53	4.29	4.18	-177.00	-195.26	-2.07	236.28	227.77	8.51	27.756		
700.00	697.48	675.60	674.52	4.35	4.23	-177.44	-196.92	-0.46	241.42	232.79	8.63	27.983		
800.00	796.08	765.38	763.33	4.66	4.49	-179.60	-206.37	8.66	268.68	259.49	9.20	29.220		
900.00	894.68	858.66	855.27	4.98	4.79	178.27	-217.71	19.62	297.98	288.17	9.80	30.400		
1,000.00	993.28	953.68	948.91	5.34	5.13	176.48	-229.35	30.85	327.69	317.25	10.44	31.389		
1,100.00	1,091.88	1,048.70	1,042.54	5.71	5.49	174.98	-240.98	42.09	357.64	346.53	11.11	32.179		
1,200.00	1,190.48	1,143.73	1,136.18	6.10	5.86	173.71	-252.62	53.33	387.79	375.97	11.81	32.823		
1,300.00	1,289.07	1,238.75	1,229.81	6.49	6.24	172.63	-264.25	64.56	418.08	405.55	12.54	33.347		
1,400.00	1,387.67	1,333.77	1,323.45	6.90	6.63	171.69	-275.88	75.80	448.50	435.22	13.28	33.775		
1,500.00	1,486.27	1,428.79	1,417.08	7.31	7.03	170.87	-287.52	87.03	479.00	464.97	14.04	34.126		
1,600.00	1,584.87	1,523.81	1,510.72	7.73	7.44	170.15	-299.15	98.27	509.59	494.78	14.81	34.415		
1,700.00	1,683.47	1,618.84	1,604.36	8.16	7.86	169.51	-310.79	109.50	540.24	524.65	15.59	34.653		
1,800.00	1,782.07	1,713.86	1,697.99	8.59	8.28	168.94	-322.42	120.74	570.95	554.57	16.38	34.852		
1,900.00	1,880.67	1,808.88	1,791.63	9.02	8.70	168.42	-334.06	131.97	601.71	584.52	17.18	35.016		
2,000.00	1,979.27	1,903.90	1,885.26	9.46	9.13	167.96	-345.69	143.21	632.50	614.51	17.99	35.154		
2,100.00	2,077.87	2,001.08	1,978.90	9.90	9.58	167.54	-357.33	154.44	663.33	644.51	18.82	35.252		
2,200.00	2,176.47	2,106.06	2,072.53	10.35	10.06	167.15	-368.96	165.68	694.18	674.50	19.68	35.272		
2,300.00	2,275.07	2,188.97	2,166.17	10.79	10.44	166.80	-380.59	176.91	725.07	704.61	20.45	35.449		
2,400.00	2,373.67	2,283.99	2,259.80	11.24	10.88	166.48	-392.23	188.15	755.97	734.69	21.28	35.518		
2,500.00	2,472.27	2,379.01	2,353.44	11.69	11.32	166.18	-403.86	199.38	786.90	764.78	22.12	35.577		
2,600.00	2,570.87	2,474.03	2,447.07	12.14	11.77	165.91	-415.50	210.62	817.84	794.88	22.96	35.626		
2,700.00	2,669.47	2,569.05	2,540.71	12.59	12.21	165.66	-427.13	221.85	848.80	825.00	23.80	35.668		
2,800.00	2,768.07	2,664.08	2,634.34	13.04	12.66	165.42	-438.77	233.09	879.77	855.13	24.64	35.704		
2,900.00	2,866.67	2,759.10	2,727.98	13.50	13.11	165.20	-450.40	244.32	910.76	885.27	25.49	35.734		
3,000.00	2,965.27	2,854.12	2,821.61	13.95	13.56	164.99	-462.03	255.56	941.76	915.42	26.34	35.759		
3,100.00	3,063.87	2,949.14	2,915.25	14.41	14.01	164.80	-473.67	266.79	972.76	945.58	27.19	35.781		
3,200.00	3,162.47	3,044.16	3,008.88	14.87	14.46	164.62	-485.30	278.03	1,003.78	975.74	28.04	35.799		
3,300.00	3,261.07	3,139.18	3,102.52	15.32	14.91	164.45	-496.94	289.26	1,034.81	1,005.91	28.89	35.814		
3,400.00	3,359.67	3,234.21	3,196.15	15.78	15.37	164.29	-508.57	300.50	1,065.84	1,036.09	29.75	35.827		
3,500.00	3,458.27	3,329.23	3,289.79	16.24	15.82	164.14	-520.21	311.73	1,096.88	1,066.27	30.61	35.837		
3,600.00	3,556.87	3,424.25	3,383.42	16.70	16.27	163.99	-531.84	322.97	1,127.93	1,096.46	31.47	35.845		
3,700.00	3,655.47	3,519.27	3,477.06	17.16	16.73	163.86	-543.47	334.20	1,158.98	1,126.65	32.33	35.852		
3,800.00	3,754.06	3,614.29	3,570.70	17.62	17.19	163.73	-555.11	345.44	1,190.04	1,156.85	33.19	35.858		
3,900.00	3,852.66	3,709.31	3,664.33	18.08	17.64	163.61	-566.74	356.67	1,221.10	1,187.05	34.05	35.862		
4,000.00	3,951.26	3,804.34	3,757.97	18.54	18.10	163.49	-578.38	367.91	1,252.17	1,217.25	34.91	35.865		
4,100.00	4,049.86	3,899.36	3,851.60	19.01	18.56	163.38	-590.01	379.14	1,283.24	1,247.46	35.78	35.867		
4,200.00	4,148.46	3,994.38	3,945.24	19.47	19.01	163.28	-601.65	390.38	1,314.32	1,277.67	36.64	35.868		
4,300.00	4,247.06	4,089.40	4,038.87	19.93	19.47	163.18	-613.28	401.61	1,345.40	1,307.89	37.51	35.868		
4,400.00	4,345.66	4,184.42	4,132.51	20.39	19.93	163.08	-624.91	412.85	1,376.48	1,338.11	38.38	35.868		
4,500.00	4,444.26	4,279.45	4,226.14	20.86	20.39	162.99	-636.55	424.08	1,407.57	1,368.33	39.24	35.868		
4,600.00	4,542.86	4,374.47	4,319.78	21.32	20.85	162.90	-648.18	435.32	1,438.66	1,398.55	40.11	35.866		
4,700.00	4,641.46	4,469.49	4,413.41	21.78	21.31	162.82	-659.82	446.55	1,469.75	1,428.77	40.98	35.865		
4,800.00	4,740.06	4,564.51	4,507.05	22.25	21.77	162.74	-671.45	457.79	1,500.85	1,459.00	41.85	35.863		
4,900.00	4,838.66	4,659.53	4,600.68	22.71	22.23	162.66	-683.09	469.02	1,531.95	1,489.23	42.72	35.860		
5,000.00	4,937.26	4,754.55	4,694.32	23.18	22.69	162.59	-694.72	480.26	1,563.05	1,519.46	43.59	35.858		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	4,849.58	4,787.95	23.64	23.15	162.52	-706.36	491.49	1,594.15	1,549.69	44.46	35.855		
5,200.00	5,134.46	4,944.60	4,881.59	24.11	23.61	162.45	-717.99	502.73	1,625.26	1,579.92	45.33	35.852		
5,300.00	5,233.06	5,039.62	4,975.22	24.57	24.07	162.38	-729.62	513.97	1,656.36	1,610.16	46.20	35.848		
5,400.00	5,331.66	5,134.64	5,068.86	25.04	24.53	162.32	-741.26	525.20	1,687.47	1,640.39	47.08	35.845		
5,500.00	5,430.26	5,229.66	5,162.49	25.50	24.99	162.26	-752.89	536.44	1,718.58	1,670.63	47.95	35.841		
5,600.00	5,528.86	5,324.69	5,256.13	25.97	25.45	162.20	-764.53	547.67	1,749.70	1,700.87	48.82	35.837		
5,700.00	5,627.46	5,419.71	5,349.76	26.43	25.91	162.14	-776.16	558.91	1,780.81	1,731.11	49.70	35.833		
5,800.00	5,726.06	5,514.73	5,443.40	26.90	26.37	162.09	-787.80	570.14	1,811.93	1,761.35	50.57	35.829		
5,900.00	5,824.66	5,609.75	5,537.03	27.36	26.83	162.04	-799.43	581.38	1,843.04	1,791.60	51.45	35.825		
6,000.00	5,923.26	5,704.77	5,630.67	27.83	27.30	161.99	-811.06	592.61	1,874.16	1,821.84	52.32	35.821		
6,100.00	6,021.86	5,799.79	5,724.31	28.30	27.76	161.94	-822.70	603.85	1,905.28	1,852.09	53.20	35.817		
6,200.00	6,120.46	5,905.18	5,817.94	28.76	28.27	161.89	-834.33	615.08	1,936.40	1,882.28	54.12	35.781		
6,300.00	6,219.06	5,989.84	5,911.58	29.23	28.68	161.84	-845.97	626.32	1,967.53	1,912.58	54.95	35.808		
6,405.66	6,323.24	6,109.76	6,010.52	29.72	29.26	161.79	-858.26	638.19	2,000.41	1,944.45	55.96	35.746		
6,450.00	6,366.93	6,132.53	6,052.18	29.93	29.38	137.97	-863.44	643.19	2,013.69	1,957.43	56.26	35.792		
6,500.00	6,415.96	6,180.41	6,099.37	30.15	29.61	117.51	-869.30	648.85	2,027.36	1,970.66	56.70	35.755		
6,550.00	6,464.44	6,228.22	6,146.48	30.37	29.84	104.30	-875.15	654.50	2,039.60	1,982.45	57.14	35.694		
6,600.00	6,512.08	6,275.67	6,193.23	30.58	30.07	95.85	-880.96	660.11	2,050.36	1,992.78	57.58	35.611		
6,650.00	6,558.58	6,322.45	6,239.34	30.78	30.30	90.26	-886.69	665.64	2,059.65	2,001.64	58.01	35.506		
6,700.00	6,603.65	6,368.29	6,284.50	30.97	30.52	86.45	-892.30	671.06	2,067.47	2,009.04	58.44	35.380		
6,750.00	6,647.02	6,412.89	6,328.45	31.15	30.74	83.82	-897.76	676.34	2,073.88	2,015.02	58.86	35.235		
6,800.00	6,688.42	6,455.98	6,370.92	31.31	30.95	82.01	-903.04	681.43	2,078.92	2,019.64	59.28	35.070		
6,850.00	6,727.59	6,502.69	6,411.64	31.46	31.18	80.81	-908.10	686.32	2,082.69	2,022.97	59.73	34.871		
6,900.00	6,764.29	6,536.61	6,450.36	31.60	31.34	80.07	-912.91	690.96	2,085.28	2,025.15	60.13	34.681		
6,950.00	6,798.30	6,573.63	6,486.85	31.73	31.52	79.67	-917.45	695.34	2,086.80	2,026.24	60.56	34.457		
7,000.00	6,829.41	6,671.81	6,584.03	31.84	31.97	80.96	-929.66	700.71	2,086.97	2,025.41	61.56	33.903		
7,050.00	6,857.42	6,745.59	6,656.93	32.03	32.25	82.23	-939.04	694.84	2,085.63	2,023.30	62.33	33.460		
7,100.00	6,882.16	6,786.99	6,697.38	32.36	32.40	82.98	-944.33	687.83	2,083.66	2,020.76	62.90	33.129		
7,150.00	6,903.48	6,808.97	6,718.64	32.73	32.47	83.37	-947.13	683.04	2,081.47	2,018.10	63.37	32.844		
7,200.00	6,921.25	6,818.78	6,728.08	33.15	32.50	83.52	-948.38	680.66	2,079.27	2,015.46	63.82	32.581		
7,250.00	6,935.36	6,820.60	6,729.83	33.61	32.51	83.53	-948.61	680.21	2,077.14	2,012.89	64.26	32.326		
7,300.00	6,945.72	6,816.95	6,726.33	34.11	32.50	83.44	-948.15	681.12	2,075.10	2,010.40	64.70	32.071		
7,350.00	6,952.26	6,809.42	6,719.08	34.65	32.47	83.30	-947.19	682.94	2,073.15	2,007.98	65.17	31.813		
7,403.14	6,955.00	6,798.31	6,708.36	35.26	32.43	83.13	-945.77	685.46	2,071.15	2,005.47	65.68	31.535		
7,483.36	6,955.82	6,781.84	6,692.37	36.28	32.38	82.69	-943.67	688.85	2,069.66	2,003.11	66.55	31.100		
7,500.00	6,955.99	6,778.90	6,689.52	36.49	32.37	82.61	-943.30	689.41	2,069.72	2,002.99	66.73	31.017		
7,600.00	6,957.03	6,763.92	6,674.90	37.93	32.32	82.20	-941.38	692.07	2,072.85	2,004.86	67.99	30.489		
7,700.00	6,958.06	6,750.00	6,661.26	39.52	32.27	81.82	-939.60	694.22	2,080.68	2,011.33	69.35	30.001		
7,800.00	6,959.09	6,743.17	6,654.55	41.25	32.24	81.63	-938.73	695.17	2,093.20	2,022.34	70.86	29.541		
7,900.00	6,960.12	6,735.70	6,647.20	43.09	32.21	81.42	-937.78	696.12	2,110.33	2,037.94	72.39	29.151		
8,000.00	6,961.15	6,729.50	6,641.09	45.04	32.19	81.25	-936.99	696.85	2,131.99	2,058.04	73.95	28.829		
8,100.00	6,962.18	6,724.27	6,635.95	47.08	32.17	81.11	-936.32	697.41	2,158.04	2,082.53	75.51	28.580		
8,200.00	6,963.21	6,719.82	6,631.54	49.20	32.16	80.99	-935.75	697.86	2,188.34	2,111.30	77.04	28.405		
8,300.00	6,964.24	6,715.96	6,627.74	51.39	32.14	80.88	-935.26	698.22	2,222.71	2,144.18	78.53	28.305		
8,400.00	6,965.27	6,700.00	6,611.96	53.64	32.08	80.44	-933.23	699.47	2,261.05	2,181.23	79.82	28.327		
8,500.00	6,966.30	6,700.00	6,611.96	55.95	32.08	80.44	-933.23	699.47	2,302.97	2,221.76	81.21	28.357		
8,600.00	6,967.33	6,700.00	6,611.96	58.30	32.08	80.44	-933.23	699.47	2,348.41	2,265.88	82.53	28.455		
8,700.00	6,968.37	6,700.00	6,611.96	60.70	32.08	80.44	-933.23	699.47	2,397.16	2,313.39	83.77	28.617		
8,800.00	6,969.40	6,700.00	6,611.96	63.14	32.08	80.44	-933.23	699.47	2,449.02	2,364.10	84.92	28.838		
8,900.00	6,970.43	6,700.00	6,611.96	65.60	32.08	80.44	-933.23	699.47	2,503.81	2,417.81	86.00	29.115		
9,000.00	6,971.46	6,700.00	6,611.96	68.10	32.08	80.44	-933.23	699.47	2,561.33	2,474.33	86.99	29.443		
9,100.00	6,972.49	6,700.00	6,611.96	70.63	32.08	80.44	-933.23	699.47	2,621.40	2,533.49	87.91	29.818		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	6,700.00	6,611.96	73.18	32.08	80.44	-933.23	699.47	2,683.86	2,595.10	88.76	30.237		
9,300.00	6,974.55	6,700.00	6,611.96	75.75	32.08	80.44	-933.23	699.47	2,748.53	2,658.99	89.54	30.696		
9,400.00	6,975.58	6,700.00	6,611.96	78.34	32.08	80.44	-933.23	699.47	2,815.27	2,725.02	90.26	31.192		
9,500.00	6,976.61	6,700.00	6,611.96	80.94	32.08	80.44	-933.23	699.47	2,883.94	2,793.03	90.91	31.721		
9,600.00	6,977.64	6,700.00	6,611.96	83.56	32.08	80.44	-933.23	699.47	2,954.39	2,862.88	91.52	32.282		
9,700.00	6,978.68	6,700.00	6,611.96	86.20	32.08	80.44	-933.23	699.47	3,026.51	2,934.45	92.07	32.872		
9,800.00	6,979.71	6,700.00	6,611.96	88.85	32.08	80.44	-933.23	699.47	3,100.18	3,007.61	92.57	33.489		
9,900.00	6,980.74	6,700.00	6,611.96	91.51	32.08	80.44	-933.23	699.47	3,175.29	3,082.25	93.04	34.129		
10,000.00	6,981.77	6,700.00	6,611.96	94.19	32.08	80.44	-933.23	699.47	3,251.74	3,158.28	93.46	34.792		
10,100.00	6,982.80	6,700.00	6,611.96	96.87	32.08	80.44	-933.23	699.47	3,329.44	3,235.59	93.85	35.476		
10,200.00	6,983.83	6,700.00	6,611.96	99.56	32.08	80.44	-933.23	699.47	3,408.30	3,314.09	94.21	36.180		
10,300.00	6,984.86	6,700.00	6,611.96	102.27	32.08	80.44	-933.23	699.47	3,488.24	3,393.71	94.53	36.900		
10,400.00	6,985.89	6,700.00	6,611.96	104.98	32.08	80.44	-933.23	699.47	3,569.20	3,474.37	94.83	37.638		
10,500.00	6,986.92	6,700.00	6,611.96	107.69	32.08	80.44	-933.23	699.47	3,651.10	3,555.99	95.11	38.390		
10,600.00	6,987.95	6,700.00	6,611.96	110.41	32.08	80.44	-933.23	699.47	3,733.88	3,638.52	95.36	39.157		
10,700.00	6,988.99	6,700.00	6,611.96	113.14	32.08	80.44	-933.23	699.47	3,817.49	3,721.90	95.59	39.936		
10,800.00	6,990.02	6,700.00	6,611.96	115.88	32.08	80.44	-933.23	699.47	3,901.87	3,806.06	95.80	40.728		
10,900.00	6,991.05	6,700.00	6,611.96	118.62	32.08	80.44	-933.23	699.47	3,986.97	3,890.97	96.00	41.531		
11,000.00	6,992.08	6,700.00	6,611.96	121.37	32.08	80.44	-933.23	699.47	4,072.74	3,976.56	96.18	42.344		
11,100.00	6,993.11	6,700.00	6,611.96	124.12	32.08	80.44	-933.23	699.47	4,159.16	4,062.81	96.35	43.167		
11,200.00	6,994.14	6,700.00	6,611.96	126.87	32.08	80.44	-933.23	699.47	4,246.17	4,149.66	96.51	43.999		
11,300.00	6,995.17	6,700.00	6,611.96	129.63	32.08	80.44	-933.23	699.47	4,333.74	4,237.09	96.65	44.840		
11,400.00	6,996.20	6,700.00	6,611.96	132.39	32.08	80.44	-933.23	699.47	4,421.83	4,325.05	96.78	45.688		
11,500.00	6,997.23	6,700.00	6,611.96	135.16	32.08	80.44	-933.23	699.47	4,510.43	4,413.52	96.91	46.543		
11,600.00	6,998.26	6,700.00	6,611.96	137.93	32.08	80.44	-933.23	699.47	4,599.49	4,502.46	97.02	47.406		
11,700.00	6,999.30	6,700.00	6,611.96	140.70	32.08	80.44	-933.23	699.47	4,688.99	4,591.86	97.13	48.274		
11,800.00	7,000.33	6,700.00	6,611.96	143.48	32.08	80.44	-933.23	699.47	4,778.91	4,681.68	97.23	49.149		
11,900.00	7,001.36	6,678.59	6,590.74	146.26	31.99	79.85	-930.52	700.53	4,868.85	4,771.71	97.14	50.124		
12,000.00	7,002.39	6,678.29	6,590.45	149.04	31.99	79.84	-930.48	700.54	4,959.52	4,862.30	97.22	51.011		
12,100.00	7,003.42	6,678.01	6,590.17	151.82	31.99	79.83	-930.44	700.54	5,050.55	4,953.24	97.31	51.904		
12,200.00	7,004.45	6,677.74	6,589.90	154.61	31.99	79.83	-930.41	700.55	5,141.90	5,044.52	97.38	52.801		
12,300.00	7,005.48	6,677.47	6,589.64	157.40	31.99	79.82	-930.38	700.56	5,233.58	5,136.12	97.46	53.702		
12,400.00	7,006.51	6,677.22	6,589.39	160.19	31.99	79.81	-930.34	700.57	5,325.55	5,228.03	97.52	54.607		
12,500.00	7,007.54	6,676.98	6,589.15	162.98	31.99	79.80	-930.31	700.58	5,417.81	5,320.22	97.59	55.516		
12,600.00	7,008.57	6,676.74	6,588.91	165.78	31.99	79.80	-930.28	700.58	5,510.34	5,412.69	97.65	56.428		
12,700.00	7,009.61	6,676.51	6,588.69	168.58	31.99	79.79	-930.25	700.59	5,603.12	5,505.41	97.71	57.343		
12,800.00	7,010.64	6,676.29	6,588.47	171.38	31.98	79.79	-930.23	700.60	5,696.15	5,598.38	97.77	58.261		
12,900.00	7,011.67	6,676.08	6,588.26	174.18	31.98	79.78	-930.20	700.60	5,789.41	5,691.59	97.82	59.182		
13,000.00	7,012.70	6,675.88	6,588.06	176.98	31.98	79.77	-930.17	700.61	5,882.89	5,785.02	97.88	60.106		
13,100.00	7,013.73	6,675.68	6,587.86	179.78	31.98	79.77	-930.15	700.61	5,976.59	5,878.66	97.93	61.032		
13,200.00	7,014.76	6,675.48	6,587.67	182.59	31.98	79.76	-930.12	700.62	6,070.48	5,972.51	97.98	61.959		
13,300.00	7,015.79	6,675.30	6,587.48	185.39	31.98	79.76	-930.10	700.62	6,164.57	6,066.55	98.02	62.889		
13,400.00	7,016.82	6,675.12	6,587.30	188.20	31.98	79.75	-930.08	700.63	6,258.84	6,160.77	98.07	63.821		
13,500.00	7,017.85	6,674.94	6,587.13	191.01	31.98	79.75	-930.05	700.63	6,353.28	6,255.17	98.11	64.755		
13,600.00	7,018.88	6,674.77	6,586.96	193.82	31.98	79.74	-930.03	700.64	6,447.90	6,349.74	98.16	65.690		
13,700.00	7,019.91	6,674.60	6,586.80	196.63	31.98	79.74	-930.01	700.64	6,542.67	6,444.47	98.20	66.626		
13,800.00	7,020.95	6,674.44	6,586.64	199.44	31.98	79.73	-929.99	700.65	6,637.60	6,539.35	98.24	67.564		
13,900.00	7,021.98	6,674.29	6,586.48	202.26	31.98	79.73	-929.97	700.65	6,732.67	6,634.39	98.28	68.503		
14,000.00	7,023.01	6,674.13	6,586.33	205.07	31.98	79.73	-929.95	700.65	6,827.88	6,729.56	98.32	69.443		
14,100.00	7,024.04	6,673.99	6,586.18	207.89	31.98	79.72	-929.93	700.66	6,923.23	6,824.87	98.36	70.384		
14,200.00	7,025.07	6,673.84	6,586.04	210.70	31.97	79.72	-929.92	700.66	7,018.71	6,920.31	98.40	71.326		
14,300.00	7,026.10	6,673.70	6,585.90	213.52	31.97	79.71	-929.90	700.67	7,114.31	7,015.87	98.44	72.269		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	6,673.57	6,585.77	216.34	31.97	79.71	-929.88	700.67	7,210.03	7,111.55	98.48	73.212		
14,500.00	7,028.16	6,673.43	6,585.64	219.16	31.97	79.71	-929.86	700.67	7,305.87	7,207.35	98.52	74.156		
14,600.00	7,029.19	6,673.31	6,585.51	221.98	31.97	79.70	-929.85	700.67	7,401.82	7,303.26	98.56	75.101		
14,700.00	7,030.22	6,673.18	6,585.38	224.80	31.97	79.70	-929.83	700.68	7,497.87	7,399.27	98.60	76.046		
14,800.00	7,031.26	6,673.06	6,585.26	227.62	31.97	79.70	-929.82	700.68	7,594.02	7,495.39	98.64	76.991		
14,900.00	7,032.29	6,672.94	6,585.14	230.44	31.97	79.69	-929.80	700.68	7,690.27	7,591.60	98.67	77.936		
15,000.00	7,033.32	6,672.82	6,585.03	233.26	31.97	79.69	-929.79	700.69	7,786.62	7,687.91	98.71	78.882		
15,100.00	7,034.35	6,672.71	6,584.91	236.09	31.97	79.69	-929.77	700.69	7,883.06	7,784.31	98.75	79.828		
15,200.00	7,035.38	6,650.00	6,562.39	238.91	31.88	79.06	-926.91	700.81	7,980.00	7,881.40	98.60	80.932		
15,300.00	7,036.41	6,650.00	6,562.39	241.74	31.88	79.06	-926.91	700.81	8,076.61	7,977.97	98.64	81.879		
15,400.00	7,037.44	6,650.00	6,562.39	244.56	31.88	79.06	-926.91	700.81	8,173.30	8,074.61	98.68	82.825		
15,500.00	7,038.47	6,650.00	6,562.39	247.39	31.88	79.06	-926.91	700.81	8,270.06	8,171.34	98.72	83.771		
15,600.00	7,039.50	6,650.00	6,562.39	250.21	31.88	79.06	-926.91	700.81	8,366.90	8,268.14	98.76	84.717		
15,700.00	7,040.53	6,650.00	6,562.39	253.04	31.88	79.06	-926.91	700.81	8,463.82	8,365.02	98.80	85.663		
15,800.00	7,041.57	6,650.00	6,562.39	255.87	31.88	79.06	-926.91	700.81	8,560.81	8,461.96	98.84	86.609		
15,900.00	7,042.60	6,650.00	6,562.39	258.70	31.88	79.06	-926.91	700.81	8,657.86	8,558.98	98.89	87.554		
16,000.00	7,043.63	6,650.00	6,562.39	261.53	31.88	79.06	-926.91	700.81	8,754.98	8,656.06	98.93	88.499		
16,100.00	7,044.66	6,650.00	6,562.39	264.35	31.88	79.06	-926.91	700.81	8,852.17	8,753.20	98.97	89.443		
16,200.00	7,045.69	6,650.00	6,562.39	267.18	31.88	79.06	-926.91	700.81	8,949.42	8,850.40	99.01	90.387		
16,300.00	7,046.72	6,650.00	6,562.39	270.01	31.88	79.06	-926.91	700.81	9,046.72	8,947.67	99.05	91.330		
16,400.00	7,047.75	6,650.00	6,562.39	272.84	31.88	79.06	-926.91	700.81	9,144.09	9,044.99	99.10	92.273		
16,500.00	7,048.78	6,650.00	6,562.39	275.67	31.88	79.06	-926.91	700.81	9,241.51	9,142.37	99.14	93.215		
16,600.00	7,049.81	6,650.00	6,562.39	278.51	31.88	79.06	-926.91	700.81	9,338.99	9,239.80	99.19	94.157		
16,700.00	7,050.84	6,650.00	6,562.39	281.34	31.88	79.06	-926.91	700.81	9,436.52	9,337.29	99.23	95.098		
16,800.00	7,051.88	6,650.00	6,562.39	284.17	31.88	79.06	-926.91	700.81	9,534.10	9,434.82	99.27	96.038		
16,900.00	7,052.91	6,650.00	6,562.39	287.00	31.88	79.06	-926.91	700.81	9,631.73	9,532.41	99.32	96.977		
17,000.00	7,053.94	6,650.00	6,562.39	289.83	31.88	79.06	-926.91	700.81	9,729.41	9,630.04	99.37	97.915		
17,100.00	7,054.97	6,650.00	6,562.39	292.67	31.88	79.06	-926.91	700.81	9,827.13	9,727.72	99.41	98.853		
17,200.00	7,056.00	6,650.00	6,562.39	295.50	31.88	79.06	-926.91	700.81	9,924.90	9,825.44	99.46	99.790		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	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	-174.39	-164.30	-16.15	165.09					
100.00	100.00	100.00	100.00	3.28	3.28	-174.39	-164.30	-16.15	165.09	158.52	6.57	25.130		
200.00	200.00	200.00	200.00	3.34	3.34	-174.39	-164.30	-16.15	165.09	158.42	6.67	24.736 CC, ES		
300.00	299.98	299.98	299.98	3.45	3.44	-171.57	-164.30	-16.15	166.82	159.93	6.89	24.210		
400.00	399.84	396.49	396.47	3.61	3.59	-172.24	-165.35	-14.90	172.96	165.76	7.20	24.010 SF		
500.00	499.45	492.16	492.02	3.82	3.77	-173.80	-168.45	-11.22	184.57	176.96	7.61	24.268		
600.00	598.70	586.46	585.98	4.07	3.99	-175.95	-173.52	-5.20	201.80	193.71	8.09	24.958		
680.00	677.76	660.55	659.60	4.29	4.19	-177.88	-178.89	1.19	219.74	211.22	8.52	25.802		
700.00	697.48	678.87	677.77	4.35	4.24	-178.38	-180.41	2.99	224.74	216.11	8.63	26.037		
800.00	796.08	769.58	767.48	4.66	4.51	-179.13	-189.03	13.23	251.25	242.05	9.20	27.300		
900.00	894.68	863.91	860.47	4.98	4.82	176.74	-199.24	25.35	279.60	269.78	9.82	28.485		
1,000.00	993.28	959.19	954.38	5.34	5.15	174.76	-209.58	37.63	308.36	297.90	10.46	29.480		
1,100.00	1,091.88	1,054.46	1,048.29	5.71	5.51	173.11	-219.92	49.91	337.40	326.26	11.14	30.289		
1,200.00	1,190.48	1,149.73	1,142.20	6.10	5.88	171.72	-230.26	62.19	366.66	354.82	11.84	30.956		
1,300.00	1,289.07	1,245.01	1,236.12	6.49	6.26	170.54	-240.60	74.47	396.09	383.52	12.57	31.506		
1,400.00	1,387.67	1,340.28	1,330.03	6.90	6.66	169.52	-250.94	86.75	425.66	412.34	13.32	31.962		
1,500.00	1,486.27	1,435.55	1,423.94	7.31	7.06	168.63	-261.28	99.03	455.33	441.25	14.08	32.341		
1,600.00	1,584.87	1,530.83	1,517.85	7.73	7.47	167.85	-271.62	111.31	485.09	470.23	14.85	32.658		
1,700.00	1,683.47	1,626.10	1,611.76	8.16	7.89	167.17	-281.96	123.58	514.92	499.28	15.64	32.923		
1,800.00	1,782.07	1,721.37	1,705.67	8.59	8.31	166.55	-292.30	135.86	544.81	528.37	16.44	33.148		
1,900.00	1,880.67	1,816.65	1,799.59	9.02	8.74	166.00	-302.64	148.14	574.75	557.51	17.24	33.338		
2,000.00	1,979.27	1,911.92	1,893.50	9.46	9.17	165.51	-312.98	160.42	604.74	586.69	18.05	33.500		
2,100.00	2,077.87	2,007.20	1,987.41	9.90	9.60	165.06	-323.32	172.70	634.76	615.89	18.87	33.638		
2,200.00	2,176.47	2,102.47	2,081.32	10.35	10.04	164.65	-333.66	184.98	664.82	645.12	19.69	33.757		
2,300.00	2,275.07	2,197.74	2,175.23	10.79	10.47	164.27	-344.00	197.26	694.90	674.38	20.52	33.860		
2,400.00	2,373.67	2,306.98	2,289.14	11.24	10.98	163.93	-354.34	209.54	725.01	703.59	21.42	33.851		
2,500.00	2,472.27	2,388.29	2,363.06	11.69	11.36	163.62	-364.68	221.82	755.14	732.95	22.19	34.025		
2,600.00	2,570.87	2,483.56	2,456.97	12.14	11.80	163.33	-375.02	234.10	785.29	762.26	23.03	34.093		
2,700.00	2,669.47	2,578.84	2,550.88	12.59	12.25	163.06	-385.36	246.37	815.46	791.58	23.88	34.151		
2,800.00	2,768.07	2,674.11	2,644.79	13.04	12.70	162.81	-395.70	258.65	845.64	820.92	24.72	34.202		
2,900.00	2,866.67	2,769.38	2,738.70	13.50	13.15	162.57	-406.04	270.93	875.84	850.26	25.57	34.248		
3,000.00	2,965.27	2,864.66	2,832.61	13.95	13.60	162.36	-416.38	283.21	906.05	879.62	26.43	34.287		
3,100.00	3,063.87	2,959.93	2,926.52	14.41	14.05	162.15	-426.72	295.49	936.26	908.99	27.28	34.322		
3,200.00	3,162.47	3,055.21	3,020.44	14.87	14.50	161.96	-437.06	307.77	966.49	938.36	28.13	34.353		
3,300.00	3,261.07	3,150.48	3,114.35	15.32	14.95	161.78	-447.40	320.05	996.73	967.74	28.99	34.380		
3,400.00	3,359.67	3,245.75	3,208.26	15.78	15.41	161.61	-457.74	332.33	1,026.98	997.13	29.85	34.405		
3,500.00	3,458.27	3,341.03	3,302.17	16.24	15.86	161.46	-468.08	344.61	1,057.23	1,026.52	30.71	34.426		
3,600.00	3,556.87	3,436.30	3,396.08	16.70	16.31	161.31	-478.42	356.89	1,087.49	1,055.92	31.57	34.445		
3,700.00	3,655.47	3,531.57	3,489.99	17.16	16.77	161.16	-488.76	369.16	1,117.76	1,085.33	32.43	34.462		
3,800.00	3,754.06	3,626.85	3,583.91	17.62	17.23	161.03	-499.10	381.44	1,148.04	1,114.74	33.30	34.477		
3,900.00	3,852.66	3,722.12	3,677.82	18.08	17.68	160.90	-509.44	393.72	1,178.32	1,144.15	34.16	34.490		
4,000.00	3,951.26	3,817.39	3,771.73	18.54	18.14	160.78	-519.78	406.00	1,208.60	1,173.57	35.03	34.502		
4,100.00	4,049.86	3,912.67	3,865.64	19.01	18.60	160.66	-530.12	418.28	1,238.89	1,202.99	35.90	34.513		
4,200.00	4,148.46	4,007.94	3,959.55	19.47	19.06	160.55	-540.46	430.56	1,269.18	1,232.42	36.76	34.522		
4,300.00	4,247.06	4,103.22	4,053.46	19.93	19.51	160.45	-550.80	442.84	1,299.48	1,261.85	37.63	34.530		
4,400.00	4,345.66	4,201.51	4,147.37	20.39	19.99	160.35	-561.14	455.12	1,329.78	1,291.26	38.52	34.525		
4,500.00	4,444.26	4,306.24	4,241.29	20.86	20.49	160.25	-571.48	467.40	1,360.09	1,320.66	39.43	34.494		
4,600.00	4,542.86	4,389.04	4,335.20	21.32	20.89	160.16	-581.82	479.67	1,390.39	1,350.15	40.24	34.550		
4,700.00	4,641.46	4,484.31	4,429.11	21.78	21.35	160.08	-592.16	491.95	1,420.70	1,379.59	41.11	34.555		
4,800.00	4,740.06	4,579.58	4,523.02	22.25	21.81	159.99	-602.50	504.23	1,451.02	1,409.03	41.99	34.559		
4,900.00	4,838.66	4,674.86	4,616.93	22.71	22.27	159.91	-612.84	516.51	1,481.33	1,438.48	42.86	34.563		
5,000.00	4,937.26	4,770.13	4,710.84	23.18	22.73	159.83	-623.18	528.79	1,511.65	1,467.92	43.73	34.567		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	4,865.40	4,804.76	23.64	23.19	159.76	-633.52	541.07	1,541.98	1,497.37	44.61	34.569		
5,200.00	5,134.46	4,960.68	4,898.67	24.11	23.65	159.69	-643.86	553.35	1,572.30	1,526.82	45.48	34.572		
5,300.00	5,233.06	5,055.95	4,992.58	24.57	24.11	159.62	-654.20	565.63	1,602.62	1,556.27	46.35	34.574		
5,400.00	5,331.66	5,151.23	5,086.49	25.04	24.57	159.55	-664.54	577.91	1,632.95	1,585.72	47.23	34.575		
5,500.00	5,430.26	5,246.50	5,180.40	25.50	25.03	159.49	-674.88	590.19	1,663.28	1,615.18	48.10	34.577		
5,600.00	5,528.86	5,341.77	5,274.31	25.97	25.49	159.43	-685.22	602.46	1,693.61	1,644.63	48.98	34.578		
5,700.00	5,627.46	5,437.05	5,368.23	26.43	25.96	159.37	-695.56	614.74	1,723.95	1,674.09	49.86	34.579		
5,800.00	5,726.06	5,532.32	5,462.14	26.90	26.42	159.31	-705.90	627.02	1,754.28	1,703.55	50.73	34.579		
5,900.00	5,824.66	5,627.59	5,556.05	27.36	26.88	159.26	-716.24	639.30	1,784.62	1,733.01	51.61	34.580		
6,000.00	5,923.26	5,722.87	5,649.96	27.83	27.34	159.20	-726.58	651.58	1,814.96	1,762.47	52.49	34.580		
6,100.00	6,021.86	5,818.14	5,743.87	28.30	27.80	159.15	-736.92	663.86	1,845.30	1,791.93	53.36	34.580		
6,200.00	6,120.46	5,913.41	5,837.78	28.76	28.27	159.10	-747.26	676.14	1,875.64	1,821.39	54.24	34.579		
6,300.00	6,219.06	6,008.69	5,931.69	29.23	28.73	159.06	-757.60	688.42	1,905.98	1,850.86	55.12	34.579		
6,405.66	6,323.24	6,109.36	6,030.93	29.72	29.22	159.01	-768.52	701.39	1,938.04	1,881.99	56.05	34.578		
6,450.00	6,366.93	6,151.77	6,072.73	29.93	29.42	135.25	-773.13	706.86	1,950.90	1,894.46	56.44	34.567		
6,500.00	6,415.96	7,401.99	6,868.94	30.15	36.64	139.85	-886.11	5.92	1,949.58	1,885.20	64.38	30.284		
6,550.00	6,464.44	7,407.85	6,869.08	30.37	36.72	127.43	-885.82	15.75	1,946.77	1,881.75	65.01	29.945		
6,600.00	6,512.08	7,378.51	6,869.27	30.58	36.34	119.32	-885.41	29.39	1,945.14	1,880.01	65.14	29.863		
6,648.56	6,557.26	7,361.68	6,869.51	30.77	36.13	113.81	-884.91	46.21	1,944.64	1,879.27	65.37	29.748		
6,650.00	6,558.58	7,361.13	6,869.52	30.78	36.13	113.67	-884.89	46.76	1,944.64	1,879.27	65.38	29.745		
6,700.00	6,603.65	7,340.13	6,869.82	30.97	35.87	109.42	-884.27	67.75	1,945.17	1,879.64	65.52	29.686		
6,750.00	6,647.02	7,288.49	6,869.36	31.15	35.27	105.32	-882.59	119.34	1,946.52	1,881.27	65.25	29.832		
6,800.00	6,688.42	7,220.88	6,862.63	31.31	34.56	101.42	-879.71	186.53	1,948.11	1,883.32	64.80	30.065		
6,850.00	6,727.59	7,166.12	6,852.02	31.46	34.04	98.29	-876.81	240.16	1,949.95	1,885.43	64.52	30.222		
6,900.00	6,764.29	7,119.16	6,839.29	31.60	33.64	95.67	-873.94	285.25	1,952.05	1,887.70	64.35	30.337		
6,950.00	6,798.30	7,077.30	6,825.18	31.73	33.31	93.42	-871.09	324.55	1,954.36	1,890.13	64.23	30.426		
7,000.00	6,829.41	7,038.94	6,810.03	31.84	33.05	91.44	-868.26	359.67	1,956.85	1,892.68	64.16	30.498		
7,050.00	6,857.42	7,003.10	6,793.99	32.03	32.82	89.68	-865.42	391.59	1,959.44	1,895.31	64.13	30.552		
7,100.00	6,882.16	6,969.14	6,777.16	32.36	32.62	88.11	-862.57	420.95	1,962.07	1,897.92	64.15	30.586		
7,150.00	6,903.48	6,936.61	6,759.60	32.73	32.45	86.68	-859.71	448.18	1,964.67	1,900.47	64.20	30.602		
7,200.00	6,921.25	6,905.22	6,741.36	33.15	32.30	85.39	-856.83	473.56	1,967.17	1,902.87	64.30	30.596		
7,250.00	6,935.36	6,874.75	6,722.49	33.61	32.16	84.24	-853.93	497.30	1,969.49	1,905.05	64.44	30.563		
7,300.00	6,945.72	6,845.02	6,703.00	34.11	32.04	83.20	-851.00	519.56	1,971.57	1,906.94	64.63	30.507		
7,350.00	6,952.26	6,815.91	6,682.94	34.65	31.92	82.29	-848.06	540.44	1,973.34	1,908.48	64.87	30.422		
7,403.14	6,955.00	6,785.56	6,661.03	35.26	31.81	81.45	-844.90	561.20	1,974.82	1,909.66	65.16	30.306		
7,500.00	6,955.99	6,735.71	6,622.98	36.49	31.63	80.33	-839.56	592.94	1,978.66	1,912.80	65.86	30.044		
7,600.00	6,957.03	6,693.25	6,588.70	37.93	31.49	79.32	-834.87	617.54	1,986.18	1,919.42	66.77	29.747		
7,700.00	6,958.06	6,658.01	6,559.06	39.52	31.37	78.45	-830.90	636.16	1,997.63	1,929.80	67.83	29.450		
7,800.00	6,959.09	6,628.47	6,533.45	41.25	31.27	77.70	-827.52	650.49	2,013.18	1,944.17	69.01	29.173		
7,900.00	6,960.12	6,600.00	6,508.16	43.09	31.18	76.97	-824.23	663.14	2,032.92	1,962.70	70.22	28.950		
8,000.00	6,961.15	6,582.04	6,491.93	45.04	31.12	76.50	-822.15	670.53	2,056.86	1,985.30	71.56	28.742		
8,100.00	6,962.18	6,563.56	6,475.01	47.08	31.06	76.01	-819.99	677.65	2,084.95	2,012.07	72.88	28.607		
8,200.00	6,963.21	6,550.00	6,462.47	49.20	31.02	75.64	-818.40	682.56	2,117.11	2,042.88	74.22	28.523		
8,300.00	6,964.24	6,533.36	6,446.94	51.39	30.97	75.20	-816.45	688.22	2,153.18	2,077.70	75.48	28.527		
8,400.00	6,965.27	6,520.88	6,435.20	53.64	30.93	74.86	-814.99	692.19	2,193.04	2,116.31	76.72	28.583		
8,500.00	6,966.30	6,500.00	6,415.39	55.95	30.86	74.29	-812.53	698.31	2,236.56	2,158.76	77.80	28.748		
8,600.00	6,967.33	6,500.00	6,415.39	58.30	30.86	74.29	-812.53	698.31	2,283.38	2,204.33	79.05	28.884		
8,700.00	6,968.37	6,500.00	6,415.39	60.70	30.86	74.29	-812.53	698.31	2,333.56	2,253.33	80.23	29.087		
8,800.00	6,969.40	6,482.84	6,398.97	63.14	30.80	73.82	-810.51	702.85	2,386.68	2,305.55	81.12	29.420		
8,900.00	6,970.43	6,475.51	6,391.91	65.60	30.78	73.62	-809.65	704.66	2,442.71	2,360.65	82.06	29.768		
9,000.00	6,971.46	6,468.82	6,385.46	68.10	30.75	73.44	-808.86	706.23	2,501.42	2,418.49	82.93	30.164		
9,100.00	6,972.49	6,450.00	6,367.22	70.63	30.69	72.92	-806.65	710.30	2,562.74	2,479.16	83.59	30.660		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	6,450.00	6,367.22	73.18	30.69	72.92	-806.65	710.30	2,626.21	2,541.82	84.40	31.118		
9,300.00	6,974.55	6,450.00	6,367.22	75.75	30.69	72.92	-806.65	710.30	2,691.90	2,606.76	85.14	31.618		
9,400.00	6,975.58	6,450.00	6,367.22	78.34	30.69	72.92	-806.65	710.30	2,759.65	2,673.83	85.82	32.156		
9,500.00	6,976.61	6,450.00	6,367.22	80.94	30.69	72.92	-806.65	710.30	2,829.32	2,742.87	86.44	32.730		
9,600.00	6,977.64	6,450.00	6,367.22	83.56	30.69	72.92	-806.65	710.30	2,900.75	2,813.74	87.01	33.336		
9,700.00	6,978.68	6,450.00	6,367.22	86.20	30.69	72.92	-806.65	710.30	2,973.84	2,886.30	87.54	33.972		
9,800.00	6,979.71	6,431.06	6,348.75	88.85	30.63	72.39	-804.43	713.83	3,048.17	2,960.35	87.83	34.707		
9,900.00	6,980.74	6,427.69	6,345.45	91.51	30.61	72.30	-804.04	714.40	3,124.10	3,035.86	88.23	35.407		
10,000.00	6,981.77	6,424.53	6,342.36	94.19	30.60	72.21	-803.67	714.92	3,201.33	3,112.72	88.61	36.130		
10,100.00	6,982.80	6,421.56	6,339.45	96.87	30.59	72.13	-803.32	715.40	3,279.77	3,190.82	88.95	36.872		
10,200.00	6,983.83	6,400.00	6,318.25	99.56	30.52	71.54	-800.80	718.43	3,359.63	3,270.55	89.08	37.716		
10,300.00	6,984.86	6,400.00	6,318.25	102.27	30.52	71.54	-800.80	718.43	3,440.19	3,350.80	89.39	38.484		
10,400.00	6,985.89	6,400.00	6,318.25	104.98	30.52	71.54	-800.80	718.43	3,521.75	3,432.06	89.68	39.268		
10,500.00	6,986.92	6,400.00	6,318.25	107.69	30.52	71.54	-800.80	718.43	3,604.23	3,514.28	89.95	40.068		
10,600.00	6,987.95	6,400.00	6,318.25	110.41	30.52	71.54	-800.80	718.43	3,687.59	3,597.39	90.20	40.883		
10,700.00	6,988.99	6,400.00	6,318.25	113.14	30.52	71.54	-800.80	718.43	3,771.75	3,681.32	90.43	41.711		
10,800.00	6,990.02	6,400.00	6,318.25	115.88	30.52	71.54	-800.80	718.43	3,856.67	3,766.03	90.64	42.551		
10,900.00	6,991.05	6,400.00	6,318.25	118.62	30.52	71.54	-800.80	718.43	3,942.30	3,851.47	90.83	43.403		
11,000.00	6,992.08	6,400.00	6,318.25	121.37	30.52	71.54	-800.80	718.43	4,028.59	3,937.58	91.01	44.266		
11,100.00	6,993.11	6,400.00	6,318.25	124.12	30.52	71.54	-800.80	718.43	4,115.50	4,024.32	91.17	45.139		
11,200.00	6,994.14	6,400.00	6,318.25	126.87	30.52	71.54	-800.80	718.43	4,202.99	4,111.66	91.33	46.020		
11,300.00	6,995.17	6,400.00	6,318.25	129.63	30.52	71.54	-800.80	718.43	4,291.03	4,199.55	91.47	46.911		
11,400.00	6,996.20	6,400.00	6,318.25	132.39	30.52	71.54	-800.80	718.43	4,379.58	4,287.97	91.61	47.809		
11,500.00	6,997.23	6,400.00	6,318.25	135.16	30.52	71.54	-800.80	718.43	4,468.61	4,376.88	91.73	48.715		
11,600.00	6,998.26	6,400.00	6,318.25	137.93	30.52	71.54	-800.80	718.43	4,558.10	4,466.26	91.85	49.628		
11,700.00	6,999.30	6,400.00	6,318.25	140.70	30.52	71.54	-800.80	718.43	4,648.02	4,556.07	91.95	50.547		
11,800.00	7,000.33	6,400.00	6,318.25	143.48	30.52	71.54	-800.80	718.43	4,738.34	4,646.29	92.06	51.472		
11,900.00	7,001.36	6,400.00	6,318.25	146.26	30.52	71.54	-800.80	718.43	4,829.05	4,736.89	92.15	52.403		
12,000.00	7,002.39	6,400.00	6,318.25	149.04	30.52	71.54	-800.80	718.43	4,920.11	4,827.87	92.24	53.338		
12,100.00	7,003.42	6,400.00	6,318.25	151.82	30.52	71.54	-800.80	718.43	5,011.52	4,919.19	92.33	54.279		
12,200.00	7,004.45	6,400.00	6,318.25	154.61	30.52	71.54	-800.80	718.43	5,103.24	5,010.83	92.41	55.224		
12,300.00	7,005.48	6,400.00	6,318.25	157.40	30.52	71.54	-800.80	718.43	5,195.28	5,102.79	92.49	56.173		
12,400.00	7,006.51	6,400.00	6,318.25	160.19	30.52	71.54	-800.80	718.43	5,287.60	5,195.04	92.56	57.126		
12,500.00	7,007.54	6,400.00	6,318.25	162.98	30.52	71.54	-800.80	718.43	5,380.19	5,287.56	92.63	58.083		
12,600.00	7,008.57	6,400.00	6,318.25	165.78	30.52	71.54	-800.80	718.43	5,473.05	5,380.35	92.70	59.042		
12,700.00	7,009.61	6,400.00	6,318.25	168.58	30.52	71.54	-800.80	718.43	5,566.16	5,473.40	92.76	60.005		
12,800.00	7,010.64	6,400.00	6,318.25	171.38	30.52	71.54	-800.80	718.43	5,659.50	5,566.67	92.82	60.971		
12,900.00	7,011.67	6,377.81	6,296.34	174.18	30.44	70.92	-798.23	720.80	5,752.65	5,659.94	92.71	62.051		
13,000.00	7,012.70	6,376.98	6,295.52	176.98	30.43	70.90	-798.13	720.88	5,846.40	5,753.64	92.76	63.027		
13,100.00	7,013.73	6,376.18	6,294.72	179.78	30.43	70.88	-798.04	720.95	5,940.35	5,847.53	92.81	64.005		
13,200.00	7,014.76	6,375.40	6,293.95	182.59	30.43	70.86	-797.95	721.01	6,034.49	5,941.63	92.86	64.985		
13,300.00	7,015.79	6,374.64	6,293.20	185.39	30.42	70.83	-797.86	721.08	6,128.81	6,035.91	92.91	65.967		
13,400.00	7,016.82	6,373.91	6,292.47	188.20	30.42	70.81	-797.77	721.14	6,223.32	6,130.36	92.95	66.951		
13,500.00	7,017.85	6,373.19	6,291.77	191.01	30.42	70.79	-797.69	721.20	6,317.99	6,224.99	93.00	67.936		
13,600.00	7,018.88	6,372.50	6,291.09	193.82	30.42	70.78	-797.61	721.25	6,412.82	6,319.78	93.04	68.923		
13,700.00	7,019.91	6,350.00	6,268.78	196.63	30.33	70.15	-795.02	722.68	6,508.20	6,415.28	92.92	70.042		
13,800.00	7,020.95	6,350.00	6,268.78	199.44	30.33	70.15	-795.02	722.68	6,603.31	6,510.34	92.97	71.028		
13,900.00	7,021.98	6,350.00	6,268.78	202.26	30.33	70.15	-795.02	722.68	6,698.56	6,605.55	93.02	72.016		
14,000.00	7,023.01	6,350.00	6,268.78	205.07	30.33	70.15	-795.02	722.68	6,793.95	6,700.89	93.06	73.004		
14,100.00	7,024.04	6,350.00	6,268.78	207.89	30.33	70.15	-795.02	722.68	6,889.47	6,796.36	93.11	73.993		
14,200.00	7,025.07	6,350.00	6,268.78	210.70	30.33	70.15	-795.02	722.68	6,985.12	6,891.96	93.16	74.982		
14,300.00	7,026.10	6,350.00	6,268.78	213.52	30.33	70.15	-795.02	722.68	7,080.88	6,987.68	93.20	75.973		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	6,350.00	6,268.78	216.34	30.33	70.15	-795.02	722.68	7,176.76	7,083.52	93.25	76.964		
14,500.00	7,028.16	6,350.00	6,268.78	219.16	30.33	70.15	-795.02	722.68	7,272.76	7,179.46	93.29	77.955		
14,600.00	7,029.19	6,350.00	6,268.78	221.98	30.33	70.15	-795.02	722.68	7,368.85	7,275.51	93.34	78.947		
14,700.00	7,030.22	6,350.00	6,268.78	224.80	30.33	70.15	-795.02	722.68	7,465.06	7,371.67	93.38	79.939		
14,800.00	7,031.26	6,350.00	6,268.78	227.62	30.33	70.15	-795.02	722.68	7,561.35	7,467.93	93.43	80.931		
14,900.00	7,032.29	6,350.00	6,268.78	230.44	30.33	70.15	-795.02	722.68	7,657.75	7,564.27	93.47	81.923		
15,000.00	7,033.32	6,350.00	6,268.78	233.26	30.33	70.15	-795.02	722.68	7,754.23	7,660.72	93.52	82.916		
15,100.00	7,034.35	6,350.00	6,268.78	236.09	30.33	70.15	-795.02	722.68	7,850.81	7,757.24	93.56	83.908		
15,200.00	7,035.38	6,350.00	6,268.78	238.91	30.33	70.15	-795.02	722.68	7,947.47	7,853.86	93.61	84.900		
15,300.00	7,036.41	6,350.00	6,268.78	241.74	30.33	70.15	-795.02	722.68	8,044.21	7,950.55	93.65	85.892		
15,400.00	7,037.44	6,350.00	6,268.78	244.56	30.33	70.15	-795.02	722.68	8,141.03	8,047.33	93.70	86.884		
15,500.00	7,038.47	6,350.00	6,268.78	247.39	30.33	70.15	-795.02	722.68	8,237.92	8,144.18	93.75	87.875		
15,600.00	7,039.50	6,350.00	6,268.78	250.21	30.33	70.15	-795.02	722.68	8,334.89	8,241.10	93.79	88.866		
15,700.00	7,040.53	6,350.00	6,268.78	253.04	30.33	70.15	-795.02	722.68	8,431.93	8,338.09	93.84	89.857		
15,800.00	7,041.57	6,350.00	6,268.78	255.87	30.33	70.15	-795.02	722.68	8,529.04	8,435.15	93.88	90.847		
15,900.00	7,042.60	6,350.00	6,268.78	258.70	30.33	70.15	-795.02	722.68	8,626.21	8,532.28	93.93	91.836		
16,000.00	7,043.63	6,350.00	6,268.78	261.53	30.33	70.15	-795.02	722.68	8,723.45	8,629.47	93.98	92.825		
16,100.00	7,044.66	6,350.00	6,268.78	264.35	30.33	70.15	-795.02	722.68	8,820.75	8,726.72	94.02	93.814		
16,200.00	7,045.69	6,350.00	6,268.78	267.18	30.33	70.15	-795.02	722.68	8,918.11	8,824.03	94.07	94.802		
16,300.00	7,046.72	6,350.00	6,268.78	270.01	30.33	70.15	-795.02	722.68	9,015.52	8,921.40	94.12	95.788		
16,400.00	7,047.75	6,350.00	6,268.78	272.84	30.33	70.15	-795.02	722.68	9,113.00	9,018.83	94.17	96.775		
16,500.00	7,048.78	6,350.00	6,268.78	275.67	30.33	70.15	-795.02	722.68	9,210.52	9,116.31	94.22	97.760		
16,600.00	7,049.81	6,350.00	6,268.78	278.51	30.33	70.15	-795.02	722.68	9,308.10	9,213.84	94.26	98.744		
16,700.00	7,050.84	6,350.00	6,268.78	281.34	30.33	70.15	-795.02	722.68	9,405.73	9,311.42	94.31	99.728		
16,800.00	7,051.88	6,350.00	6,268.78	284.17	30.33	70.15	-795.02	722.68	9,503.41	9,409.05	94.36	100.711		
16,900.00	7,052.91	6,350.00	6,268.78	287.00	30.33	70.15	-795.02	722.68	9,601.14	9,506.73	94.41	101.692		
17,000.00	7,053.94	6,350.00	6,268.78	289.83	30.33	70.15	-795.02	722.68	9,698.91	9,604.45	94.46	102.673		
17,100.00	7,054.97	6,350.00	6,268.78	292.67	30.33	70.15	-795.02	722.68	9,796.73	9,702.22	94.52	103.652		
17,200.00	7,056.00	6,350.00	6,268.78	295.50	30.33	70.15	-795.02	722.68	9,894.59	9,800.03	94.57	104.631		
17,300.00	7,057.03	6,350.00	6,268.78	298.33	30.33	70.15	-795.02	722.68	9,992.50	9,897.88	94.62	105.608		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	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	-174.35	-194.18	-19.21	195.12					
100.00	100.00	100.00	100.00	3.28	3.28	-174.35	-194.18	-19.21	195.12	188.55	6.57	29.702		
200.00	200.00	200.00	200.00	3.34	3.34	-174.35	-194.18	-19.21	195.12	188.45	6.67	29.236 CC, ES		
300.00	299.98	294.87	294.86	3.45	3.43	-171.80	-195.49	-18.34	198.14	191.25	6.89	28.773		
400.00	399.84	389.14	389.00	3.61	3.57	-172.78	-199.39	-15.77	207.22	200.01	7.21	28.754 SF		
500.00	499.45	482.22	481.76	3.82	3.76	-174.24	-205.78	-11.57	222.42	214.80	7.62	29.187		
600.00	598.70	573.54	572.48	4.07	3.97	-175.95	-214.49	-5.83	243.78	235.68	8.11	30.066		
680.00	677.76	644.99	643.20	4.29	4.16	-177.40	-222.98	-0.24	265.31	256.77	8.54	31.066		
700.00	697.48	662.62	660.61	4.35	4.21	-177.76	-225.30	1.29	271.24	262.59	8.66	31.336		
800.00	796.08	749.71	746.34	4.66	4.48	-179.53	-238.09	9.71	302.53	293.31	9.22	32.819		
900.00	894.68	841.32	836.14	4.98	4.79	178.76	-253.22	19.68	335.91	326.10	9.81	34.246		
1,000.00	993.28	935.09	928.04	5.34	5.13	177.31	-268.79	29.94	369.61	359.18	10.44	35.411		
1,100.00	1,091.88	1,028.86	1,019.94	5.71	5.50	176.11	-284.36	40.19	403.50	392.40	11.10	36.351		
1,200.00	1,190.48	1,122.63	1,111.84	6.10	5.87	175.09	-299.94	50.45	437.51	425.72	11.79	37.110		
1,300.00	1,289.07	1,216.40	1,203.74	6.49	6.27	174.22	-315.51	60.71	471.63	459.13	12.50	37.724		
1,400.00	1,387.67	1,310.18	1,295.64	6.90	6.67	173.46	-331.08	70.96	505.84	492.60	13.23	38.221		
1,500.00	1,486.27	1,403.95	1,387.54	7.31	7.08	172.80	-346.66	81.22	540.11	526.13	13.98	38.626		
1,600.00	1,584.87	1,497.72	1,479.43	7.73	7.50	172.22	-362.23	91.48	574.44	559.69	14.75	38.956		
1,700.00	1,683.47	1,608.51	1,571.33	8.16	8.01	171.70	-377.80	101.73	608.82	593.22	15.59	39.045		
1,800.00	1,782.07	1,685.27	1,663.23	8.59	8.36	171.24	-393.37	111.99	643.23	626.93	16.31	39.447		
1,900.00	1,880.67	1,779.04	1,755.13	9.02	8.80	170.83	-408.95	122.25	677.68	660.58	17.10	39.630		
2,000.00	1,979.27	1,872.81	1,847.03	9.46	9.24	170.45	-424.52	132.50	712.16	694.25	17.90	39.781		
2,100.00	2,077.87	1,966.58	1,938.93	9.90	9.68	170.11	-440.09	142.76	746.66	727.94	18.71	39.905		
2,200.00	2,176.47	2,060.35	2,030.83	10.35	10.13	169.80	-455.67	153.02	781.18	761.65	19.53	40.009		
2,300.00	2,275.07	2,154.13	2,122.73	10.79	10.58	169.52	-471.24	163.27	815.72	795.37	20.35	40.094		
2,400.00	2,373.67	2,247.90	2,214.63	11.24	11.03	169.26	-486.81	173.53	850.27	829.10	21.17	40.165		
2,500.00	2,472.27	2,341.67	2,306.53	11.69	11.48	169.02	-502.38	183.79	884.84	862.85	22.00	40.223		
2,600.00	2,570.87	2,435.44	2,398.43	12.14	11.94	168.80	-517.96	194.04	919.43	896.60	22.83	40.272		
2,700.00	2,669.47	2,529.21	2,490.33	12.59	12.39	168.59	-533.53	204.30	954.02	930.36	23.67	40.312		
2,800.00	2,768.07	2,622.99	2,582.23	13.04	12.85	168.40	-549.10	214.56	988.63	964.12	24.50	40.345		
2,900.00	2,866.67	2,716.76	2,674.13	13.50	13.31	168.22	-564.68	224.81	1,023.24	997.89	25.35	40.371		
3,000.00	2,965.27	2,810.53	2,766.03	13.95	13.77	168.05	-580.25	235.07	1,057.86	1,031.67	26.19	40.393		
3,100.00	3,063.87	2,904.30	2,857.93	14.41	14.23	167.90	-595.82	245.33	1,092.49	1,065.46	27.04	40.410		
3,200.00	3,162.47	3,001.92	2,949.83	14.87	14.71	167.75	-611.39	255.58	1,127.13	1,099.23	27.90	40.398		
3,300.00	3,261.07	3,108.15	3,041.73	15.32	15.24	167.61	-626.97	265.84	1,161.77	1,132.96	28.81	40.329		
3,400.00	3,359.67	3,185.62	3,133.62	15.78	15.62	167.48	-642.54	276.10	1,196.42	1,166.83	29.58	40.441		
3,500.00	3,458.27	3,279.39	3,225.52	16.24	16.09	167.36	-658.11	286.35	1,231.07	1,200.63	30.44	40.447		
3,600.00	3,556.87	3,373.16	3,317.42	16.70	16.55	167.24	-673.69	296.61	1,265.73	1,234.44	31.29	40.450		
3,700.00	3,655.47	3,466.94	3,409.32	17.16	17.02	167.13	-689.26	306.87	1,300.39	1,268.24	32.15	40.452		
3,800.00	3,754.06	3,560.71	3,501.22	17.62	17.48	167.03	-704.83	317.12	1,335.05	1,302.05	33.00	40.452		
3,900.00	3,852.66	3,654.48	3,593.12	18.08	17.95	166.93	-720.40	327.38	1,369.72	1,335.86	33.86	40.451		
4,000.00	3,951.26	3,748.25	3,685.02	18.54	18.42	166.84	-735.98	337.64	1,404.40	1,369.68	34.72	40.449		
4,100.00	4,049.86	3,842.03	3,776.92	19.01	18.89	166.75	-751.55	347.89	1,439.07	1,403.49	35.58	40.446		
4,200.00	4,148.46	3,935.80	3,868.82	19.47	19.35	166.66	-767.12	358.15	1,473.75	1,437.31	36.44	40.442		
4,300.00	4,247.06	4,029.57	3,960.72	19.93	19.82	166.58	-782.70	368.41	1,508.43	1,471.13	37.30	40.438		
4,400.00	4,345.66	4,123.34	4,052.62	20.39	20.29	166.50	-798.27	378.66	1,543.12	1,504.95	38.17	40.432		
4,500.00	4,444.26	4,217.11	4,144.52	20.86	20.76	166.43	-813.84	388.92	1,577.81	1,538.78	39.03	40.427		
4,600.00	4,542.86	4,310.89	4,236.42	21.32	21.23	166.36	-829.41	399.18	1,612.49	1,572.60	39.89	40.421		
4,700.00	4,641.46	4,404.66	4,328.32	21.78	21.70	166.29	-844.99	409.43	1,647.19	1,606.43	40.76	40.415		
4,800.00	4,740.06	4,501.57	4,420.22	22.25	22.18	166.22	-860.56	419.69	1,681.88	1,640.24	41.64	40.394		
4,900.00	4,838.66	4,607.80	4,512.12	22.71	22.72	166.16	-876.13	429.95	1,716.57	1,674.01	42.56	40.332		
5,000.00	4,937.26	4,685.98	4,604.02	23.18	23.11	166.10	-891.70	440.20	1,751.27	1,707.92	43.35	40.394		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,035.86	4,779.75	4,695.92	23.64	23.58	166.04	-907.28	450.46	1,785.97	1,741.75	44.22	40.387		
5,200.00	5,134.46	4,873.52	4,787.82	24.11	24.05	165.99	-922.85	460.72	1,820.67	1,775.58	45.09	40.379		
5,300.00	5,233.06	4,967.29	4,879.71	24.57	24.52	165.93	-938.42	470.97	1,855.37	1,809.41	45.96	40.372		
5,400.00	5,331.66	5,061.06	4,971.61	25.04	24.99	165.88	-954.00	481.23	1,890.07	1,843.25	46.83	40.364		
5,500.00	5,430.26	5,154.84	5,063.51	25.50	25.46	165.83	-969.57	491.49	1,924.78	1,877.08	47.69	40.357		
5,600.00	5,528.86	5,248.61	5,155.41	25.97	25.94	165.79	-985.14	501.74	1,959.48	1,910.92	48.56	40.349		
5,700.00	5,627.46	5,342.38	5,247.31	26.43	26.41	165.74	-1,000.71	512.00	1,994.19	1,944.75	49.43	40.341		
5,800.00	5,726.06	5,436.15	5,339.21	26.90	26.88	165.69	-1,016.29	522.26	2,028.90	1,978.59	50.30	40.333		
5,900.00	5,824.66	5,529.92	5,431.11	27.36	27.35	165.65	-1,031.86	532.51	2,063.60	2,012.43	51.17	40.325		
6,000.00	5,923.26	5,623.70	5,523.01	27.83	27.82	165.61	-1,047.43	542.77	2,098.31	2,046.27	52.04	40.317		
6,100.00	6,021.86	5,717.47	5,614.91	28.30	28.30	165.57	-1,063.01	553.03	2,133.02	2,080.11	52.92	40.310		
6,200.00	6,120.46	5,811.24	5,706.81	28.76	28.77	165.53	-1,078.58	563.28	2,167.74	2,113.95	53.79	40.302		
6,300.00	6,219.06	5,905.01	5,798.71	29.23	29.24	165.49	-1,094.15	573.54	2,202.45	2,147.79	54.66	40.294		
6,405.66	6,323.24	6,004.10	5,895.81	29.72	29.74	165.45	-1,110.61	584.38	2,239.13	2,183.55	55.58	40.286		
6,450.00	6,366.93	6,045.81	5,936.70	29.93	29.95	141.44	-1,117.53	588.94	2,254.09	2,198.12	55.97	40.274		
6,500.00	6,415.96	6,093.03	5,982.97	30.15	30.19	120.73	-1,125.38	594.10	2,269.88	2,213.47	56.41	40.241		
6,550.00	6,464.44	6,140.14	6,029.14	30.37	30.43	107.27	-1,133.20	599.26	2,284.44	2,227.60	56.84	40.189		
6,600.00	6,512.08	6,186.85	6,074.92	30.58	30.66	98.54	-1,140.96	604.37	2,297.74	2,240.46	57.28	40.117		
6,650.00	6,558.58	6,232.89	6,120.04	30.78	30.89	92.66	-1,148.60	609.40	2,309.73	2,252.02	57.70	40.027		
6,700.00	6,603.65	6,277.96	6,164.21	30.97	31.12	88.55	-1,156.09	614.33	2,320.42	2,262.29	58.13	39.919		
6,750.00	6,647.02	6,321.79	6,207.16	31.15	31.34	85.60	-1,163.37	619.13	2,329.82	2,271.28	58.55	39.794		
6,800.00	6,688.42	6,364.10	6,248.63	31.31	31.56	83.47	-1,170.39	623.75	2,337.97	2,279.01	58.96	39.651		
6,850.00	6,727.59	6,404.64	6,288.36	31.46	31.76	81.94	-1,177.13	628.19	2,344.93	2,285.55	59.38	39.490		
6,900.00	6,764.29	6,443.16	6,326.11	31.60	31.95	80.85	-1,183.52	632.40	2,350.74	2,290.94	59.80	39.310		
6,950.00	6,798.30	6,479.42	6,361.64	31.73	32.14	80.11	-1,189.54	636.37	2,355.50	2,295.28	60.23	39.109		
7,000.00	6,829.41	6,513.19	6,394.74	31.84	32.31	79.63	-1,195.15	640.06	2,359.29	2,298.62	60.67	38.887		
7,050.00	6,857.42	6,570.31	6,450.87	32.03	32.58	79.90	-1,204.72	644.39	2,362.08	2,300.71	61.37	38.491		
7,100.00	6,882.16	6,616.32	6,496.20	32.36	32.79	80.24	-1,212.55	644.19	2,363.85	2,301.85	62.00	38.126		
7,150.00	6,903.48	6,646.31	6,525.68	32.73	32.92	80.44	-1,217.70	642.28	2,364.98	2,302.43	62.55	37.812		
7,200.00	6,921.25	6,664.76	6,543.75	33.15	32.99	80.51	-1,220.87	640.40	2,365.66	2,302.62	63.04	37.524		
7,250.00	6,935.36	6,674.81	6,553.58	33.61	33.03	80.49	-1,222.60	639.15	2,366.03	2,302.50	63.53	37.243		
7,300.00	6,945.72	6,678.67	6,557.34	34.11	33.04	80.41	-1,223.27	638.63	2,366.13	2,302.11	64.02	36.961		
7,350.00	6,952.26	6,677.88	6,556.57	34.65	33.04	80.30	-1,223.13	638.74	2,365.98	2,301.46	64.52	36.672		
7,403.14	6,955.00	6,673.15	6,551.96	35.26	33.02	80.18	-1,222.32	639.37	2,365.55	2,300.48	65.07	36.356		
7,429.05	6,955.26	6,670.15	6,549.03	35.59	33.01	80.11	-1,221.80	639.75	2,365.41	2,300.04	65.36	36.189		
7,500.00	6,955.99	6,663.01	6,542.04	36.49	32.98	79.94	-1,220.57	640.60	2,366.46	2,300.28	66.18	35.759		
7,600.00	6,957.03	6,654.98	6,534.18	37.93	32.95	79.74	-1,219.19	641.46	2,371.51	2,304.03	67.49	35.140		
7,700.00	6,958.06	6,650.00	6,529.30	39.52	32.93	79.62	-1,218.33	641.95	2,380.73	2,311.79	68.94	34.533		
7,800.00	6,959.09	6,650.00	6,529.30	41.25	32.93	79.62	-1,218.33	641.95	2,394.09	2,323.57	70.53	33.946		
7,900.00	6,960.12	6,639.34	6,518.83	43.09	32.89	79.37	-1,216.50	642.85	2,411.48	2,339.43	72.06	33.466		
8,000.00	6,961.15	6,635.80	6,515.36	45.04	32.87	79.28	-1,215.89	643.11	2,432.87	2,359.18	73.69	33.014		
8,100.00	6,962.18	6,632.80	6,512.41	47.08	32.86	79.21	-1,215.37	643.32	2,458.13	2,382.79	75.34	32.628		
8,200.00	6,963.21	6,630.21	6,509.86	49.20	32.85	79.15	-1,214.93	643.48	2,487.15	2,410.18	76.97	32.312		
8,300.00	6,964.24	6,627.96	6,507.65	51.39	32.84	79.09	-1,214.54	643.62	2,519.81	2,441.22	78.58	32.065		
8,400.00	6,965.27	6,625.98	6,505.70	53.64	32.83	79.04	-1,214.20	643.73	2,555.95	2,475.80	80.15	31.888		
8,500.00	6,966.30	6,624.23	6,503.98	55.95	32.82	79.00	-1,213.91	643.83	2,595.45	2,513.77	81.67	31.778		
8,600.00	6,967.33	6,622.67	6,502.45	58.30	32.82	78.96	-1,213.64	643.91	2,638.14	2,555.01	83.14	31.733		
8,700.00	6,968.37	6,621.28	6,501.07	60.70	32.81	78.93	-1,213.40	643.97	2,683.88	2,599.35	84.53	31.750		
8,800.00	6,969.40	6,620.02	6,499.83	63.14	32.81	78.90	-1,213.18	644.03	2,732.51	2,646.65	85.86	31.825		
8,900.00	6,970.43	6,618.87	6,498.71	65.60	32.80	78.87	-1,212.99	644.09	2,783.89	2,696.77	87.12	31.955		
9,000.00	6,971.46	6,617.83	6,497.69	68.10	32.80	78.85	-1,212.81	644.13	2,837.86	2,749.55	88.31	32.136		
9,100.00	6,972.49	6,616.88	6,496.75	70.63	32.79	78.82	-1,212.65	644.17	2,894.28	2,804.85	89.43	32.365		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	6,600.00	6,480.12	73.18	32.72	78.42	-1,209.76	644.64	2,953.17	2,862.87	90.30	32.704		
9,300.00	6,974.55	6,600.00	6,480.12	75.75	32.72	78.42	-1,209.76	644.64	3,014.05	2,922.76	91.29	33.015		
9,400.00	6,975.58	6,600.00	6,480.12	78.34	32.72	78.42	-1,209.76	644.64	3,076.99	2,984.76	92.22	33.364		
9,500.00	6,976.61	6,600.00	6,480.12	80.94	32.72	78.42	-1,209.76	644.64	3,141.84	3,048.75	93.09	33.750		
9,600.00	6,977.64	6,600.00	6,480.12	83.56	32.72	78.42	-1,209.76	644.64	3,208.50	3,114.60	93.90	34.169		
9,700.00	6,978.68	6,600.00	6,480.12	86.20	32.72	78.42	-1,209.76	644.64	3,276.86	3,182.20	94.66	34.618		
9,800.00	6,979.71	6,600.00	6,480.12	88.85	32.72	78.42	-1,209.76	644.64	3,346.81	3,251.45	95.36	35.096		
9,900.00	6,980.74	6,600.00	6,480.12	91.51	32.72	78.42	-1,209.76	644.64	3,418.25	3,322.24	96.02	35.601		
10,000.00	6,981.77	6,600.00	6,480.12	94.19	32.72	78.42	-1,209.76	644.64	3,491.10	3,394.47	96.63	36.130		
10,100.00	6,982.80	6,600.00	6,480.12	96.87	32.72	78.42	-1,209.76	644.64	3,565.26	3,468.07	97.19	36.682		
10,200.00	6,983.83	6,600.00	6,480.12	99.56	32.72	78.42	-1,209.76	644.64	3,640.66	3,542.94	97.72	37.255		
10,300.00	6,984.86	6,600.00	6,480.12	102.27	32.72	78.42	-1,209.76	644.64	3,717.22	3,619.01	98.22	37.848		
10,400.00	6,985.89	6,600.00	6,480.12	104.98	32.72	78.42	-1,209.76	644.64	3,794.87	3,696.20	98.67	38.459		
10,500.00	6,986.92	6,600.00	6,480.12	107.69	32.72	78.42	-1,209.76	644.64	3,873.55	3,774.45	99.10	39.087		
10,600.00	6,987.95	6,600.00	6,480.12	110.41	32.72	78.42	-1,209.76	644.64	3,953.19	3,853.69	99.50	39.730		
10,700.00	6,988.99	6,600.00	6,480.12	113.14	32.72	78.42	-1,209.76	644.64	4,033.74	3,933.86	99.87	40.389		
10,800.00	6,990.02	6,600.00	6,480.12	115.88	32.72	78.42	-1,209.76	644.64	4,115.14	4,014.92	100.22	41.061		
10,900.00	6,991.05	6,600.00	6,480.12	118.62	32.72	78.42	-1,209.76	644.64	4,197.34	4,096.80	100.54	41.746		
11,000.00	6,992.08	6,600.00	6,480.12	121.37	32.72	78.42	-1,209.76	644.64	4,280.30	4,179.46	100.85	42.443		
11,100.00	6,993.11	6,600.00	6,480.12	124.12	32.72	78.42	-1,209.76	644.64	4,363.98	4,262.85	101.13	43.152		
11,200.00	6,994.14	6,600.00	6,480.12	126.87	32.72	78.42	-1,209.76	644.64	4,448.33	4,346.93	101.40	43.870		
11,300.00	6,995.17	6,600.00	6,480.12	129.63	32.72	78.42	-1,209.76	644.64	4,533.32	4,431.67	101.65	44.599		
11,400.00	6,996.20	6,600.00	6,480.12	132.39	32.72	78.42	-1,209.76	644.64	4,618.91	4,517.02	101.88	45.337		
11,500.00	6,997.23	6,600.00	6,480.12	135.16	32.72	78.42	-1,209.76	644.64	4,705.06	4,602.96	102.10	46.083		
11,600.00	6,998.26	6,600.00	6,480.12	137.93	32.72	78.42	-1,209.76	644.64	4,791.76	4,689.45	102.31	46.837		
11,700.00	6,999.30	6,600.00	6,480.12	140.70	32.72	78.42	-1,209.76	644.64	4,878.96	4,776.46	102.50	47.599		
11,800.00	7,000.33	6,600.00	6,480.12	143.48	32.72	78.42	-1,209.76	644.64	4,966.65	4,863.96	102.68	48.368		
11,900.00	7,001.36	6,600.00	6,480.12	146.26	32.72	78.42	-1,209.76	644.64	5,054.79	4,951.93	102.86	49.144		
12,000.00	7,002.39	6,600.00	6,480.12	149.04	32.72	78.42	-1,209.76	644.64	5,143.37	5,040.35	103.02	49.926		
12,100.00	7,003.42	6,600.00	6,480.12	151.82	32.72	78.42	-1,209.76	644.64	5,232.35	5,129.18	103.17	50.714		
12,200.00	7,004.45	6,600.00	6,480.12	154.61	32.72	78.42	-1,209.76	644.64	5,321.73	5,218.41	103.32	51.507		
12,300.00	7,005.48	6,600.00	6,480.12	157.40	32.72	78.42	-1,209.76	644.64	5,411.49	5,308.03	103.46	52.305		
12,400.00	7,006.51	6,600.00	6,480.12	160.19	32.72	78.42	-1,209.76	644.64	5,501.59	5,398.00	103.59	53.109		
12,500.00	7,007.54	6,600.00	6,480.12	162.98	32.72	78.42	-1,209.76	644.64	5,592.03	5,488.32	103.72	53.917		
12,600.00	7,008.57	6,600.00	6,480.12	165.78	32.72	78.42	-1,209.76	644.64	5,682.79	5,578.96	103.84	54.729		
12,700.00	7,009.61	6,600.00	6,480.12	168.58	32.72	78.42	-1,209.76	644.64	5,773.86	5,669.91	103.95	55.545		
12,800.00	7,010.64	6,600.00	6,480.12	171.38	32.72	78.42	-1,209.76	644.64	5,865.22	5,761.16	104.06	56.365		
12,900.00	7,011.67	6,600.00	6,480.12	174.18	32.72	78.42	-1,209.76	644.64	5,956.85	5,852.69	104.16	57.189		
13,000.00	7,012.70	6,600.00	6,480.12	176.98	32.72	78.42	-1,209.76	644.64	6,048.75	5,944.49	104.26	58.016		
13,100.00	7,013.73	6,600.00	6,480.12	179.78	32.72	78.42	-1,209.76	644.64	6,140.91	6,036.55	104.36	58.846		
13,200.00	7,014.76	6,600.00	6,480.12	182.59	32.72	78.42	-1,209.76	644.64	6,233.30	6,128.86	104.45	59.679		
13,300.00	7,015.79	6,600.00	6,480.12	185.39	32.72	78.42	-1,209.76	644.64	6,325.93	6,221.40	104.54	60.515		
13,400.00	7,016.82	6,600.00	6,480.12	188.20	32.72	78.42	-1,209.76	644.64	6,418.78	6,314.16	104.62	61.353		
13,500.00	7,017.85	6,600.00	6,480.12	191.01	32.72	78.42	-1,209.76	644.64	6,511.84	6,407.14	104.70	62.194		
13,600.00	7,018.88	6,600.00	6,480.12	193.82	32.72	78.42	-1,209.76	644.64	6,605.10	6,500.32	104.78	63.037		
13,700.00	7,019.91	6,600.00	6,480.12	196.63	32.72	78.42	-1,209.76	644.64	6,698.56	6,593.70	104.86	63.883		
13,800.00	7,020.95	6,600.00	6,480.12	199.44	32.72	78.42	-1,209.76	644.64	6,792.20	6,687.27	104.93	64.730		
13,900.00	7,021.98	6,600.00	6,480.12	202.26	32.72	78.42	-1,209.76	644.64	6,886.02	6,781.02	105.00	65.579		
14,000.00	7,023.01	6,600.00	6,480.12	205.07	32.72	78.42	-1,209.76	644.64	6,980.02	6,874.95	105.07	66.430		
14,100.00	7,024.04	6,600.00	6,480.12	207.89	32.72	78.42	-1,209.76	644.64	7,074.18	6,969.04	105.14	67.283		
14,200.00	7,025.07	6,600.00	6,480.12	210.70	32.72	78.42	-1,209.76	644.64	7,168.49	7,063.29	105.21	68.137		
14,300.00	7,026.10	6,600.00	6,480.12	213.52	32.72	78.42	-1,209.76	644.64	7,262.96	7,157.69	105.27	68.993		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	6,600.00	6,480.12	216.34	32.72	78.42	-1,209.76	644.64	7,357.58	7,252.24	105.33	69.849		
14,500.00	7,028.16	6,600.00	6,480.12	219.16	32.72	78.42	-1,209.76	644.64	7,452.33	7,346.94	105.40	70.707		
14,600.00	7,029.19	6,600.00	6,480.12	221.98	32.72	78.42	-1,209.76	644.64	7,547.22	7,441.77	105.46	71.566		
14,700.00	7,030.22	6,600.00	6,480.12	224.80	32.72	78.42	-1,209.76	644.64	7,642.24	7,536.73	105.52	72.427		
14,800.00	7,031.26	6,600.00	6,480.12	227.62	32.72	78.42	-1,209.76	644.64	7,737.39	7,631.82	105.58	73.288		
14,900.00	7,032.29	6,600.00	6,480.12	230.44	32.72	78.42	-1,209.76	644.64	7,832.66	7,727.03	105.63	74.150		
15,000.00	7,033.32	6,600.00	6,480.12	233.26	32.72	78.42	-1,209.76	644.64	7,928.04	7,822.35	105.69	75.012		
15,100.00	7,034.35	6,600.00	6,480.12	236.09	32.72	78.42	-1,209.76	644.64	8,023.54	7,917.79	105.75	75.876		
15,200.00	7,035.38	6,600.00	6,480.12	238.91	32.72	78.42	-1,209.76	644.64	8,119.15	8,013.34	105.80	76.740		
15,300.00	7,036.41	6,600.00	6,480.12	241.74	32.72	78.42	-1,209.76	644.64	8,214.85	8,109.00	105.86	77.604		
15,400.00	7,037.44	6,600.00	6,480.12	244.56	32.72	78.42	-1,209.76	644.64	8,310.67	8,204.76	105.91	78.469		
15,500.00	7,038.47	6,600.00	6,480.12	247.39	32.72	78.42	-1,209.76	644.64	8,406.57	8,300.61	105.96	79.334		
15,600.00	7,039.50	6,600.00	6,480.12	250.21	32.72	78.42	-1,209.76	644.64	8,502.58	8,396.56	106.02	80.200		
15,700.00	7,040.53	6,600.00	6,480.12	253.04	32.72	78.42	-1,209.76	644.64	8,598.67	8,492.60	106.07	81.066		
15,800.00	7,041.57	6,600.00	6,480.12	255.87	32.72	78.42	-1,209.76	644.64	8,694.85	8,588.73	106.12	81.933		
15,900.00	7,042.60	6,600.00	6,480.12	258.70	32.72	78.42	-1,209.76	644.64	8,791.12	8,684.94	106.17	82.799		
16,000.00	7,043.63	6,600.00	6,480.12	261.53	32.72	78.42	-1,209.76	644.64	8,887.47	8,781.24	106.23	83.666		
16,100.00	7,044.66	6,600.00	6,480.12	264.35	32.72	78.42	-1,209.76	644.64	8,983.90	8,877.62	106.28	84.532		
16,200.00	7,045.69	6,600.00	6,480.12	267.18	32.72	78.42	-1,209.76	644.64	9,080.40	8,974.07	106.33	85.399		
16,300.00	7,046.72	6,600.00	6,480.12	270.01	32.72	78.42	-1,209.76	644.64	9,176.99	9,070.60	106.38	86.266		
16,400.00	7,047.75	6,600.00	6,480.12	272.84	32.72	78.42	-1,209.76	644.64	9,273.64	9,167.21	106.43	87.132		
16,500.00	7,048.78	6,600.00	6,480.12	275.67	32.72	78.42	-1,209.76	644.64	9,370.36	9,263.88	106.48	87.999		
16,600.00	7,049.81	6,600.00	6,480.12	278.51	32.72	78.42	-1,209.76	644.64	9,467.15	9,360.62	106.53	88.865		
16,700.00	7,050.84	6,600.00	6,480.12	281.34	32.72	78.42	-1,209.76	644.64	9,564.01	9,457.43	106.58	89.731		
16,800.00	7,051.88	6,600.00	6,480.12	284.17	32.72	78.42	-1,209.76	644.64	9,660.94	9,554.30	106.64	90.597		
16,900.00	7,052.91	6,600.00	6,480.12	287.00	32.72	78.42	-1,209.76	644.64	9,757.92	9,651.23	106.69	91.463		
17,000.00	7,053.94	6,600.00	6,480.12	289.83	32.72	78.42	-1,209.76	644.64	9,854.96	9,748.23	106.74	92.328		
17,100.00	7,054.97	6,600.00	6,480.12	292.67	32.72	78.42	-1,209.76	644.64	9,952.07	9,845.28	106.79	93.193		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.00	10.00	3.28	3.28	-101.64	-912.53	-4,429.36	4,522.38					
100.00	100.00	110.00	110.00	3.28	3.89	-101.64	-912.53	-4,429.36	4,522.38	4,515.21	7.18	630.170		
200.00	200.00	210.00	210.00	3.34	6.48	-101.64	-912.53	-4,429.36	4,522.38	4,512.57	9.81	460.787 CC		
300.00	299.98	309.98	309.98	3.45	9.65	-98.76	-912.53	-4,429.36	4,522.65	4,509.55	13.10	345.369		
400.00	399.84	409.84	409.84	3.61	12.98	-98.81	-912.53	-4,429.36	4,523.45	4,506.86	16.59	272.727		
500.00	499.45	509.45	509.45	3.82	16.37	-98.89	-912.53	-4,429.36	4,524.79	4,504.62	20.18	224.244		
600.00	598.70	608.70	608.70	4.07	19.78	-99.00	-912.53	-4,429.36	4,526.70	4,502.87	23.83	189.965		
680.00	677.76	687.76	687.76	4.29	22.50	-99.12	-912.53	-4,429.36	4,528.65	4,501.88	26.78	169.122		
700.00	697.48	707.48	707.48	4.35	23.19	-99.16	-912.53	-4,429.36	4,529.19	4,501.67	27.52	164.593		
800.00	796.08	806.08	806.08	4.66	26.60	-99.36	-912.53	-4,429.36	4,531.91	4,500.67	31.24	145.061		
900.00	894.68	904.68	904.68	4.98	30.02	-99.57	-912.53	-4,429.36	4,534.69	4,499.69	35.00	129.573		
1,000.00	993.28	1,003.28	1,003.28	5.34	33.44	-99.77	-912.53	-4,429.36	4,537.53	4,498.75	38.78	117.015		
1,100.00	1,091.88	1,101.88	1,101.88	5.71	36.87	-99.98	-912.53	-4,429.36	4,540.43	4,497.85	42.58	106.639		
1,200.00	1,190.48	1,200.48	1,200.48	6.10	40.30	-100.18	-912.53	-4,429.36	4,543.39	4,496.99	46.39	97.931		
1,300.00	1,289.07	1,300.93	1,299.07	6.49	43.79	-100.38	-912.53	-4,429.36	4,546.41	4,496.12	50.29	90.409		
1,400.00	1,387.67	1,402.33	1,397.67	6.90	47.32	-100.59	-912.53	-4,429.36	4,549.48	4,495.26	54.22	83.902		
1,500.00	1,486.27	1,503.73	1,496.27	7.31	50.86	-100.79	-912.53	-4,429.36	4,552.62	4,494.45	58.17	78.265		
1,600.00	1,584.87	1,605.13	1,594.87	7.73	54.39	-101.00	-912.53	-4,429.36	4,555.81	4,493.69	62.12	73.336		
1,700.00	1,683.47	1,706.53	1,693.47	8.16	57.92	-101.20	-912.53	-4,429.36	4,559.07	4,492.99	66.08	68.991		
1,800.00	1,782.07	1,807.93	1,792.07	8.59	61.46	-101.40	-912.53	-4,429.36	4,562.38	4,492.33	70.05	65.134		
1,900.00	1,880.67	1,909.33	1,890.67	9.02	64.99	-101.60	-912.53	-4,429.36	4,565.75	4,491.73	74.02	61.687		
2,000.00	1,979.27	1,989.27	1,989.27	9.46	67.78	-101.81	-912.53	-4,429.36	4,569.18	4,491.94	77.24	59.156		
2,100.00	2,077.87	2,087.87	2,087.87	9.90	71.22	-102.01	-912.53	-4,429.36	4,572.67	4,491.55	81.12	56.370		
2,200.00	2,176.47	2,186.47	2,186.47	10.35	74.66	-102.21	-912.53	-4,429.36	4,576.21	4,491.21	85.00	53.838		
2,300.00	2,275.07	2,285.07	2,285.07	10.79	78.10	-102.41	-912.53	-4,429.36	4,579.82	4,490.93	88.88	51.526		
2,400.00	2,373.67	2,383.67	2,383.67	11.24	81.53	-102.61	-912.53	-4,429.36	4,583.48	4,490.71	92.77	49.407		
2,500.00	2,472.27	2,482.27	2,482.27	11.69	84.97	-102.81	-912.53	-4,429.36	4,587.20	4,490.54	96.66	47.459		
2,600.00	2,570.87	2,580.87	2,580.87	12.14	88.41	-103.01	-912.53	-4,429.36	4,590.97	4,490.43	100.55	45.660		
2,700.00	2,669.47	2,679.47	2,679.47	12.59	91.85	-103.21	-912.53	-4,429.36	4,594.81	4,490.37	104.44	43.996		
2,800.00	2,768.07	2,778.07	2,778.07	13.04	95.29	-103.41	-912.53	-4,429.36	4,598.70	4,490.37	108.33	42.451 ES		
2,900.00	2,866.67	2,876.67	2,876.67	13.50	98.73	-103.61	-912.53	-4,429.36	4,602.65	4,490.42	112.22	41.013		
3,000.00	2,965.27	2,975.27	2,975.27	13.95	102.17	-103.81	-912.53	-4,429.36	4,606.65	4,490.53	116.12	39.672		
3,100.00	3,063.87	3,073.87	3,073.87	14.41	105.61	-104.01	-912.53	-4,429.36	4,610.71	4,490.70	120.01	38.418		
3,200.00	3,162.47	3,172.47	3,172.47	14.87	109.05	-104.21	-912.53	-4,429.36	4,614.83	4,490.92	123.91	37.243		
3,300.00	3,261.07	3,271.07	3,271.07	15.32	112.50	-104.40	-912.53	-4,429.36	4,619.01	4,491.20	127.81	36.140		
3,400.00	3,359.67	3,369.67	3,369.67	15.78	115.94	-104.60	-912.53	-4,429.36	4,623.24	4,491.53	131.71	35.103		
3,500.00	3,458.27	3,468.27	3,468.27	16.24	119.38	-104.80	-912.53	-4,429.36	4,627.53	4,491.92	135.61	34.125		
3,600.00	3,556.87	3,566.87	3,566.87	16.70	122.82	-105.00	-912.53	-4,429.36	4,631.87	4,492.37	139.50	33.202		
3,700.00	3,655.47	3,665.47	3,665.47	17.16	126.26	-105.19	-912.53	-4,429.36	4,636.27	4,492.87	143.40	32.330		
3,800.00	3,754.06	3,764.06	3,764.06	17.62	129.70	-105.39	-912.53	-4,429.36	4,640.73	4,493.42	147.31	31.504		
3,900.00	3,852.66	3,862.66	3,862.66	18.08	133.14	-105.58	-912.53	-4,429.36	4,645.24	4,494.04	151.21	30.721		
4,000.00	3,951.26	3,961.26	3,961.26	18.54	136.58	-105.78	-912.53	-4,429.36	4,649.81	4,494.70	155.11	29.978		
4,100.00	4,049.86	4,059.86	4,059.86	19.01	140.02	-105.97	-912.53	-4,429.36	4,654.43	4,495.42	159.01	29.271		
4,200.00	4,148.46	4,158.46	4,158.46	19.47	143.46	-106.17	-912.53	-4,429.36	4,659.11	4,496.20	162.91	28.599		
4,300.00	4,247.06	4,257.06	4,257.06	19.93	146.91	-106.36	-912.53	-4,429.36	4,663.84	4,497.03	166.81	27.958		
4,400.00	4,345.66	4,355.66	4,355.66	20.39	150.35	-106.56	-912.53	-4,429.36	4,668.63	4,497.91	170.72	27.347		
4,500.00	4,444.26	4,454.26	4,454.26	20.86	153.79	-106.75	-912.53	-4,429.36	4,673.47	4,498.85	174.62	26.764		
4,600.00	4,542.86	4,552.86	4,552.86	21.32	157.23	-106.94	-912.53	-4,429.36	4,678.37	4,499.84	178.52	26.206		
4,700.00	4,641.46	4,651.46	4,651.46	21.78	160.67	-107.14	-912.53	-4,429.36	4,683.32	4,500.89	182.43	25.672		
4,800.00	4,740.06	4,750.06	4,750.06	22.25	164.11	-107.33	-912.53	-4,429.36	4,688.32	4,501.99	186.33	25.161		
4,900.00	4,838.66	4,848.66	4,848.66	22.71	167.55	-107.52	-912.53	-4,429.36	4,693.38	4,503.14	190.24	24.671		
5,000.00	4,937.26	4,947.26	4,947.26	23.18	171.00	-107.71	-912.53	-4,429.36	4,698.49	4,504.35	194.14	24.202		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,035.86	5,045.86	5,045.86	23.64	174.44	-107.90	-912.53	-4,429.36	4,703.66	4,505.61	198.04	23.751		
5,200.00	5,134.46	5,144.46	5,144.46	24.11	177.88	-108.09	-912.53	-4,429.36	4,708.88	4,506.93	201.95	23.317		
5,300.00	5,233.06	5,243.06	5,243.06	24.57	181.32	-108.28	-912.53	-4,429.36	4,714.15	4,508.29	205.85	22.901		
5,400.00	5,331.66	5,341.66	5,341.66	25.04	184.76	-108.47	-912.53	-4,429.36	4,719.47	4,509.72	209.76	22.500		
5,500.00	5,430.26	5,440.26	5,440.26	25.50	188.20	-108.66	-912.53	-4,429.36	4,724.85	4,511.19	213.66	22.114		
5,600.00	5,528.86	5,538.86	5,538.86	25.97	191.64	-108.85	-912.53	-4,429.36	4,730.28	4,512.71	217.57	21.742		
5,700.00	5,627.46	5,637.46	5,637.46	26.43	195.09	-109.04	-912.53	-4,429.36	4,735.77	4,514.29	221.47	21.383		
5,800.00	5,726.06	5,736.06	5,736.06	26.90	198.53	-109.23	-912.53	-4,429.36	4,741.30	4,515.92	225.38	21.037		
5,900.00	5,824.66	5,834.66	5,834.66	27.36	201.97	-109.42	-912.53	-4,429.36	4,746.89	4,517.61	229.28	20.703		
6,000.00	5,923.26	5,933.26	5,933.26	27.83	205.41	-109.60	-912.53	-4,429.36	4,752.53	4,519.34	233.19	20.381		
6,100.00	6,021.86	6,031.86	6,031.86	28.30	208.85	-109.79	-912.53	-4,429.36	4,758.22	4,521.13	237.09	20.069		
6,200.00	6,120.46	6,130.46	6,130.46	28.76	212.29	-109.98	-912.53	-4,429.36	4,763.96	4,522.96	241.00	19.767		
6,300.00	6,219.06	6,229.06	6,229.06	29.23	215.74	-110.16	-912.53	-4,429.36	4,769.76	4,524.85	244.91	19.476		
6,405.66	6,323.24	6,333.24	6,333.24	29.72	219.37	-110.36	-912.53	-4,429.36	4,775.94	4,526.90	249.03	19.178		
6,450.00	6,366.93	6,376.93	6,376.93	29.93	220.90	-133.25	-912.53	-4,429.36	4,779.97	4,529.20	250.76	19.062		
6,500.00	6,415.96	6,425.96	6,425.96	30.15	222.61	-153.00	-912.53	-4,429.36	4,787.90	4,535.21	252.70	18.947		
6,550.00	6,464.44	6,474.44	6,474.44	30.37	224.30	-165.87	-912.53	-4,429.36	4,799.39	4,544.78	254.61	18.850		
6,600.00	6,512.08	6,522.08	6,522.08	30.58	225.96	-174.33	-912.53	-4,429.36	4,814.34	4,557.87	256.48	18.771		
6,650.00	6,558.58	6,568.58	6,568.58	30.78	227.59	-179.70	-912.53	-4,429.36	4,832.68	4,574.37	258.30	18.709		
6,700.00	6,603.65	6,613.65	6,613.65	30.97	229.16	-175.15	-912.53	-4,429.36	4,854.27	4,594.20	260.07	18.665		
6,750.00	6,647.02	6,657.02	6,657.02	31.15	230.67	-171.40	-912.53	-4,429.36	4,878.99	4,617.23	261.76	18.639		
6,800.00	6,688.42	6,701.58	6,698.42	31.31	232.23	-168.08	-912.53	-4,429.36	4,906.70	4,643.21	263.49	18.622 SF		
6,850.00	6,727.59	6,737.59	6,737.59	31.46	233.49	-164.95	-912.53	-4,429.36	4,937.22	4,672.32	264.90	18.638		
6,900.00	6,764.29	6,774.29	6,774.29	31.60	234.77	-161.82	-912.53	-4,429.36	4,970.37	4,704.04	266.33	18.663		
6,950.00	6,798.30	6,808.30	6,808.30	31.73	235.96	-158.52	-912.53	-4,429.36	5,005.95	4,738.31	267.64	18.704		
7,000.00	6,829.41	6,839.41	6,839.41	31.84	237.04	-154.89	-912.53	-4,429.36	5,043.75	4,774.91	268.85	18.761		
7,050.00	6,857.42	6,867.42	6,867.42	32.03	238.02	-150.77	-912.53	-4,429.36	5,083.55	4,813.62	269.93	18.833		
7,100.00	6,882.16	6,907.84	6,892.16	32.36	239.43	-145.93	-912.53	-4,429.36	5,125.11	4,853.68	271.43	18.882		
7,150.00	6,903.48	6,913.48	6,913.48	32.73	239.63	-140.16	-912.53	-4,429.36	5,168.18	4,896.47	271.70	19.021		
7,200.00	6,921.25	6,931.25	6,931.25	33.15	240.25	-133.18	-912.53	-4,429.36	5,212.50	4,940.11	272.39	19.136		
7,250.00	6,935.36	6,945.36	6,945.36	33.61	240.74	-124.79	-912.53	-4,429.36	5,257.82	4,984.88	272.94	19.264		
7,300.00	6,945.72	6,955.72	6,955.72	34.11	241.10	-114.90	-912.53	-4,429.36	5,303.85	5,030.50	273.35	19.403		
7,350.00	6,952.26	6,962.26	6,962.26	34.65	241.33	-103.82	-912.53	-4,429.36	5,350.33	5,076.70	273.62	19.554		
7,403.14	6,955.00	6,965.00	6,965.00	35.26	241.43	-91.52	-912.53	-4,429.36	5,399.89	5,126.13	273.75	19.725		
7,500.00	6,955.99	6,965.99	6,965.99	36.49	241.46	-91.55	-912.53	-4,429.36	5,490.30	5,216.43	273.87	20.047		
7,600.00	6,957.03	6,967.03	6,967.03	37.93	241.50	-91.58	-912.53	-4,429.36	5,583.87	5,309.86	274.00	20.379		
7,700.00	6,958.06	6,968.06	6,968.06	39.52	241.53	-91.61	-912.53	-4,429.36	5,677.66	5,403.49	274.16	20.709		
7,800.00	6,959.09	6,969.09	6,969.09	41.25	241.57	-91.64	-912.53	-4,429.36	5,771.65	5,497.31	274.34	21.038		
7,900.00	6,960.12	6,970.12	6,970.12	43.09	241.60	-91.67	-912.53	-4,429.36	5,865.85	5,591.31	274.53	21.367		
8,000.00	6,961.15	6,971.15	6,971.15	45.04	241.64	-91.70	-912.53	-4,429.36	5,960.23	5,685.49	274.74	21.694		
8,100.00	6,962.18	6,972.18	6,972.18	47.08	241.68	-91.73	-912.53	-4,429.36	6,054.79	5,779.84	274.96	22.021		
8,200.00	6,963.21	6,973.21	6,973.21	49.20	241.71	-91.76	-912.53	-4,429.36	6,149.53	5,874.34	275.19	22.347		
8,300.00	6,964.24	6,974.24	6,974.24	51.39	241.75	-91.79	-912.53	-4,429.36	6,244.43	5,969.00	275.43	22.672		
8,400.00	6,965.27	6,975.27	6,975.27	53.64	241.78	-91.82	-912.53	-4,429.36	6,339.48	6,063.81	275.68	22.996		
8,500.00	6,966.30	6,976.30	6,976.30	55.95	241.82	-91.85	-912.53	-4,429.36	6,434.69	6,158.76	275.93	23.320		
8,600.00	6,967.33	6,977.33	6,977.33	58.30	241.86	-91.88	-912.53	-4,429.36	6,530.04	6,253.85	276.19	23.643		
8,700.00	6,968.37	6,978.37	6,978.37	60.70	241.89	-91.91	-912.53	-4,429.36	6,625.52	6,349.07	276.46	23.966		
8,800.00	6,969.40	6,979.40	6,979.40	63.14	241.93	-91.94	-912.53	-4,429.36	6,721.14	6,444.41	276.73	24.288		
8,900.00	6,970.43	6,980.43	6,980.43	65.60	241.96	-91.97	-912.53	-4,429.36	6,816.88	6,539.88	277.00	24.609		
9,000.00	6,971.46	6,981.46	6,981.46	68.10	242.00	-92.01	-912.53	-4,429.36	6,912.75	6,635.47	277.28	24.931		
9,100.00	6,972.49	6,982.49	6,982.49	70.63	242.04	-92.04	-912.53	-4,429.36	7,008.73	6,731.17	277.56	25.251		
9,200.00	6,973.52	6,983.52	6,983.52	73.18	242.07	-92.07	-912.53	-4,429.36	7,104.82	6,826.98	277.84	25.572		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,300.00	6,974.55	6,984.55	6,984.55	75.75	242.11	92.10	-912.53	-4,429.36	7,201.01	6,922.89	278.12	25.892		
9,400.00	6,975.58	6,985.58	6,985.58	78.34	242.14	92.13	-912.53	-4,429.36	7,297.31	7,018.90	278.40	26.211		
9,500.00	6,976.61	6,986.61	6,986.61	80.94	242.18	92.16	-912.53	-4,429.36	7,393.71	7,115.02	278.69	26.530		
9,600.00	6,977.64	6,987.64	6,987.64	83.56	242.22	92.19	-912.53	-4,429.36	7,490.20	7,211.22	278.97	26.849		
9,700.00	6,978.68	6,988.68	6,988.68	86.20	242.25	92.22	-912.53	-4,429.36	7,586.78	7,307.52	279.25	27.168		
9,800.00	6,979.71	6,989.71	6,989.71	88.85	242.29	92.25	-912.53	-4,429.36	7,683.45	7,403.91	279.54	27.486		
9,900.00	6,980.74	7,009.26	6,990.74	91.51	242.97	92.28	-912.53	-4,429.36	7,780.20	7,499.73	280.47	27.740		
10,000.00	6,981.77	7,008.23	6,991.77	94.19	242.93	92.31	-912.53	-4,429.36	7,877.03	7,596.35	280.68	28.064		
10,100.00	6,982.80	7,007.20	6,992.80	96.87	242.90	92.34	-912.53	-4,429.36	7,973.94	7,693.06	280.89	28.389		
10,200.00	6,983.83	7,006.17	6,993.83	99.56	242.86	92.37	-912.53	-4,429.36	8,070.93	7,789.84	281.09	28.713		
10,300.00	6,984.86	7,005.14	6,994.86	102.27	242.83	92.40	-912.53	-4,429.36	8,167.99	7,886.69	281.30	29.037		
10,400.00	6,985.89	7,004.11	6,995.89	104.98	242.79	92.43	-912.53	-4,429.36	8,265.12	7,983.61	281.50	29.361		
10,500.00	6,986.92	7,003.08	6,996.92	107.69	242.75	92.46	-912.53	-4,429.36	8,362.31	8,080.61	281.71	29.684		
10,600.00	6,987.95	7,002.05	6,997.95	110.41	242.72	92.49	-912.53	-4,429.36	8,459.58	8,177.67	281.91	30.008		
10,700.00	6,988.99	7,001.01	6,998.99	113.14	242.68	92.52	-912.53	-4,429.36	8,556.90	8,274.79	282.11	30.332		
10,800.00	6,990.02	7,000.02	7,000.02	115.88	242.65	92.55	-912.53	-4,429.36	8,654.29	8,371.98	282.31	30.655		
10,900.00	6,991.05	7,001.05	7,001.05	118.62	242.68	92.58	-912.53	-4,429.36	8,751.73	8,469.16	282.58	30.971		
11,000.00	6,992.08	7,002.08	7,002.08	121.37	242.72	92.61	-912.53	-4,429.36	8,849.23	8,566.39	282.84	31.287		
11,100.00	6,993.11	7,003.11	7,003.11	124.12	242.76	92.64	-912.53	-4,429.36	8,946.79	8,663.68	283.11	31.602		
11,200.00	6,994.14	7,004.14	7,004.14	126.87	242.79	92.67	-912.53	-4,429.36	9,044.40	8,761.03	283.37	31.917		
11,300.00	6,995.17	7,005.17	7,005.17	129.63	242.83	92.70	-912.53	-4,429.36	9,142.06	8,858.43	283.63	32.232		
11,400.00	6,996.20	7,006.20	7,006.20	132.39	242.86	92.73	-912.53	-4,429.36	9,239.77	8,955.88	283.89	32.547		
11,500.00	6,997.23	7,007.23	7,007.23	135.16	242.90	92.76	-912.53	-4,429.36	9,337.53	9,053.38	284.15	32.861		
11,600.00	6,998.26	7,008.26	7,008.26	137.93	242.94	92.79	-912.53	-4,429.36	9,435.34	9,150.93	284.41	33.176		
11,700.00	6,999.30	7,009.30	7,009.30	140.70	242.97	92.82	-912.53	-4,429.36	9,533.19	9,248.53	284.66	33.490		
11,800.00	7,000.33	7,010.33	7,010.33	143.48	243.01	92.85	-912.53	-4,429.36	9,631.09	9,346.17	284.91	33.804		
11,900.00	7,001.36	7,011.36	7,011.36	146.26	243.04	92.88	-912.53	-4,429.36	9,729.03	9,443.86	285.16	34.117		
12,000.00	7,002.39	7,012.39	7,012.39	149.04	243.08	92.91	-912.53	-4,429.36	9,827.01	9,541.59	285.41	34.431		
12,100.00	7,003.42	7,013.42	7,013.42	151.82	243.12	92.94	-912.53	-4,429.36	9,925.03	9,639.37	285.66	34.744		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	-86.45	264.13	-4,259.34	4,267.66					
100.00	100.00	66.00	66.00	3.28	1.15	-86.45	264.13	-4,259.34	4,267.52	4,263.09	4.44	961.845		
200.00	200.00	166.00	166.00	3.34	4.05	-86.45	264.13	-4,259.34	4,267.52	4,260.14	7.39	577.739		
300.00	299.98	265.98	265.98	3.45	7.54	-83.58	264.13	-4,259.34	4,267.33	4,256.34	10.98	388.485		
400.00	399.84	365.84	365.84	3.61	11.03	-83.66	264.13	-4,259.34	4,266.75	4,252.12	14.63	291.670		
500.00	499.45	465.45	465.45	3.82	14.50	-83.79	264.13	-4,259.34	4,265.79	4,247.48	18.31	232.981		
600.00	598.70	564.70	564.70	4.07	17.97	-83.98	264.13	-4,259.34	4,264.48	4,242.46	22.02	193.677		
680.00	677.76	643.76	643.76	4.29	20.73	-84.17	264.13	-4,259.34	4,263.20	4,238.20	25.00	170.528		
700.00	697.48	663.48	663.48	4.35	21.42	-84.21	264.13	-4,259.34	4,262.86	4,237.11	25.75	165.567		
800.00	796.08	762.08	762.08	4.66	24.86	-84.43	264.13	-4,259.34	4,261.19	4,231.69	29.50	144.442		
900.00	894.68	860.68	860.68	4.98	28.30	-84.65	264.13	-4,259.34	4,259.58	4,226.30	33.28	127.994		
1,000.00	993.28	959.28	959.28	5.34	31.74	-84.87	264.13	-4,259.34	4,258.04	4,220.96	37.08	114.839		
1,100.00	1,091.88	1,057.88	1,057.88	5.71	35.19	-85.09	264.13	-4,259.34	4,256.56	4,215.67	40.89	104.089		
1,200.00	1,190.48	1,156.48	1,156.48	6.10	38.63	-85.32	264.13	-4,259.34	4,255.15	4,210.42	44.72	95.147		
1,300.00	1,289.07	1,255.07	1,255.07	6.49	42.07	-85.54	264.13	-4,259.34	4,253.80	4,205.24	48.56	87.597		
1,400.00	1,387.67	1,353.67	1,353.67	6.90	45.51	-85.76	264.13	-4,259.34	4,252.51	4,200.10	52.41	81.140		
1,500.00	1,486.27	1,452.27	1,452.27	7.31	48.95	-85.98	264.13	-4,259.34	4,251.29	4,195.03	56.27	75.558		
1,600.00	1,584.87	1,550.87	1,550.87	7.73	52.40	-86.20	264.13	-4,259.34	4,250.14	4,190.01	60.13	70.685		
1,700.00	1,683.47	1,649.47	1,649.47	8.16	55.84	-86.42	264.13	-4,259.34	4,249.05	4,185.06	64.00	66.396		
1,800.00	1,782.07	1,748.07	1,748.07	8.59	59.28	-86.64	264.13	-4,259.34	4,248.03	4,180.16	67.87	62.593		
1,900.00	1,880.67	1,846.67	1,846.67	9.02	62.72	-86.86	264.13	-4,259.34	4,247.07	4,175.33	71.74	59.197		
2,000.00	1,979.27	1,945.27	1,945.27	9.46	66.16	-87.08	264.13	-4,259.34	4,246.18	4,170.55	75.62	56.149		
2,100.00	2,077.87	2,043.87	2,043.87	9.90	69.61	-87.31	264.13	-4,259.34	4,245.35	4,165.84	79.51	53.396		
2,200.00	2,176.47	2,142.47	2,142.47	10.35	73.05	-87.53	264.13	-4,259.34	4,244.59	4,161.20	83.39	50.900		
2,300.00	2,275.07	2,241.07	2,241.07	10.79	76.49	-87.75	264.13	-4,259.34	4,243.89	4,156.61	87.28	48.625		
2,400.00	2,373.67	2,339.67	2,339.67	11.24	79.93	-87.97	264.13	-4,259.34	4,243.26	4,152.09	91.17	46.543		
2,500.00	2,472.27	2,438.27	2,438.27	11.69	83.37	-88.19	264.13	-4,259.34	4,242.69	4,147.63	95.06	44.632		
2,600.00	2,570.87	2,536.87	2,536.87	12.14	86.82	-88.42	264.13	-4,259.34	4,242.19	4,143.24	98.95	42.871		
2,700.00	2,669.47	2,635.47	2,635.47	12.59	90.26	-88.64	264.13	-4,259.34	4,241.76	4,138.91	102.85	41.244		
2,800.00	2,768.07	2,734.07	2,734.07	13.04	93.70	-88.86	264.13	-4,259.34	4,241.39	4,134.65	106.74	39.735		
2,900.00	2,866.67	2,832.67	2,832.67	13.50	97.14	-89.08	264.13	-4,259.34	4,241.08	4,130.45	110.64	38.333		
3,000.00	2,965.27	2,931.27	2,931.27	13.95	100.59	-89.30	264.13	-4,259.34	4,240.85	4,126.31	114.54	37.027		
3,100.00	3,063.87	3,029.87	3,029.87	14.41	104.03	-89.53	264.13	-4,259.34	4,240.67	4,122.24	118.43	35.806		
3,200.00	3,162.47	3,128.47	3,128.47	14.87	107.47	-89.75	264.13	-4,259.34	4,240.57	4,118.23	122.33	34.664		
3,300.00	3,261.07	3,227.07	3,227.07	15.32	110.91	-89.97	264.13	-4,259.34	4,240.52	4,114.29	126.23	33.593		
3,313.35	3,274.23	3,240.23	3,240.23	15.38	111.37	-90.00	264.13	-4,259.34	4,240.52	4,113.77	126.75	33.455 CC		
3,400.00	3,359.67	3,325.67	3,325.67	15.78	114.35	-90.19	264.13	-4,259.34	4,240.55	4,110.42	130.13	32.586		
3,500.00	3,458.27	3,424.27	3,424.27	16.24	117.80	-90.41	264.13	-4,259.34	4,240.64	4,106.60	134.03	31.638		
3,600.00	3,556.87	3,522.87	3,522.87	16.70	121.24	-90.64	264.13	-4,259.34	4,240.79	4,102.86	137.94	30.745		
3,700.00	3,655.47	3,621.47	3,621.47	17.16	124.68	-90.86	264.13	-4,259.34	4,241.01	4,099.18	141.84	29.900		
3,800.00	3,754.06	3,720.06	3,720.06	17.62	128.12	-91.08	264.13	-4,259.34	4,241.30	4,095.56	145.74	29.101		
3,900.00	3,852.66	3,818.66	3,818.66	18.08	131.56	-91.30	264.13	-4,259.34	4,241.65	4,092.01	149.65	28.345		
4,000.00	3,951.26	3,917.26	3,917.26	18.54	135.01	-91.53	264.13	-4,259.34	4,242.07	4,088.52	153.55	27.627		
4,100.00	4,049.86	4,015.86	4,015.86	19.01	138.45	-91.75	264.13	-4,259.34	4,242.55	4,085.10	157.45	26.945		
4,200.00	4,148.46	4,114.46	4,114.46	19.47	141.89	-91.97	264.13	-4,259.34	4,243.10	4,081.74	161.36	26.296		
4,300.00	4,247.06	4,213.06	4,213.06	19.93	145.33	-92.19	264.13	-4,259.34	4,243.72	4,078.45	165.26	25.679		
4,400.00	4,345.66	4,311.66	4,311.66	20.39	148.77	-92.41	264.13	-4,259.34	4,244.39	4,075.23	169.17	25.090		
4,500.00	4,444.26	4,410.26	4,410.26	20.86	152.22	-92.63	264.13	-4,259.34	4,245.14	4,072.07	173.07	24.528		
4,600.00	4,542.86	4,508.86	4,508.86	21.32	155.66	-92.86	264.13	-4,259.34	4,245.95	4,068.97	176.98	23.991		
4,700.00	4,641.46	4,607.46	4,607.46	21.78	159.10	-93.08	264.13	-4,259.34	4,246.83	4,065.94	180.88	23.478		
4,800.00	4,740.06	4,706.06	4,706.06	22.25	162.54	-93.30	264.13	-4,259.34	4,247.77	4,062.98	184.79	22.987		
4,900.00	4,838.66	4,804.66	4,804.66	22.71	165.99	-93.52	264.13	-4,259.34	4,248.77	4,060.07	188.70	22.516		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,903.26	4,903.26	23.18	169.43	-93.74	264.13	-4,259.34	4,249.84	4,057.24	192.60	22.065		
5,100.00	5,035.86	5,001.86	5,001.86	23.64	172.87	-93.96	264.13	-4,259.34	4,250.98	4,054.47	196.51	21.632		
5,200.00	5,134.46	5,100.46	5,100.46	24.11	176.31	-94.18	264.13	-4,259.34	4,252.18	4,051.76	200.42	21.217		
5,300.00	5,233.06	5,200.94	5,199.06	24.57	179.82	-94.41	264.13	-4,259.34	4,253.45	4,049.06	204.39	20.810		
5,400.00	5,331.66	5,302.34	5,297.66	25.04	183.36	-94.63	264.13	-4,259.34	4,254.78	4,046.38	208.39	20.417		
5,500.00	5,430.26	5,403.74	5,396.26	25.50	186.90	-94.85	264.13	-4,259.34	4,256.18	4,043.78	212.40	20.039		
5,600.00	5,528.86	5,505.14	5,494.86	25.97	190.44	-95.07	264.13	-4,259.34	4,257.64	4,041.23	216.41	19.674		
5,700.00	5,627.46	5,606.54	5,593.46	26.43	193.98	-95.29	264.13	-4,259.34	4,259.16	4,038.75	220.41	19.324		
5,800.00	5,726.06	5,707.94	5,692.06	26.90	197.52	-95.51	264.13	-4,259.34	4,260.75	4,036.34	224.42	18.986		
5,900.00	5,824.66	5,809.34	5,790.66	27.36	201.06	-95.73	264.13	-4,259.34	4,262.41	4,033.99	228.42	18.660		
6,000.00	5,923.26	5,889.26	5,889.26	27.83	203.85	-95.95	264.13	-4,259.34	4,264.13	4,032.45	231.68	18.405		
6,100.00	6,021.86	5,987.86	5,987.86	28.30	207.29	-96.17	264.13	-4,259.34	4,265.91	4,030.33	235.58	18.108		
6,200.00	6,120.46	6,086.46	6,086.46	28.76	210.73	-96.39	264.13	-4,259.34	4,267.76	4,028.27	239.49	17.820		
6,300.00	6,219.06	6,185.06	6,185.06	29.23	214.18	-96.61	264.13	-4,259.34	4,269.68	4,026.27	243.40	17.542		
6,405.66	6,323.24	6,289.24	6,289.24	29.72	217.81	-96.84	264.13	-4,259.34	4,271.77	4,024.24	247.53	17.258 ES		
6,450.00	6,366.93	6,332.93	6,332.93	29.93	219.34	-119.64	264.13	-4,259.34	4,274.19	4,024.93	249.26	17.147		
6,500.00	6,415.96	6,381.96	6,381.96	30.15	221.05	-139.24	264.13	-4,259.34	4,280.57	4,029.37	251.20	17.041		
6,550.00	6,464.44	6,430.44	6,430.44	30.37	222.74	-151.87	264.13	-4,259.34	4,290.79	4,037.68	253.11	16.952		
6,600.00	6,512.08	6,478.08	6,478.08	30.58	224.40	-160.04	264.13	-4,259.34	4,304.76	4,049.78	254.98	16.883		
6,650.00	6,558.58	6,524.58	6,524.58	30.78	226.03	-165.63	264.13	-4,259.34	4,322.42	4,065.61	256.80	16.832		
6,700.00	6,603.65	6,569.65	6,569.65	30.97	227.60	-169.71	264.13	-4,259.34	4,343.63	4,085.07	258.57	16.799		
6,750.00	6,647.02	6,613.02	6,613.02	31.15	229.12	-172.89	264.13	-4,259.34	4,368.28	4,108.02	260.26	16.784		
6,800.00	6,688.42	6,654.42	6,654.42	31.31	230.56	-175.52	264.13	-4,259.34	4,396.20	4,134.33	261.87	16.788		
6,850.00	6,727.59	6,706.41	6,693.59	31.46	232.38	-177.83	264.13	-4,259.34	4,427.22	4,163.38	263.84	16.780 SF		
6,900.00	6,764.29	6,730.29	6,730.29	31.60	233.21	-179.99	264.13	-4,259.34	4,461.15	4,196.34	264.81	16.847		
6,950.00	6,798.30	6,764.30	6,764.30	31.73	234.40	-177.88	264.13	-4,259.34	4,497.78	4,231.66	266.12	16.901		
7,000.00	6,829.41	6,804.59	6,795.41	31.84	235.80	-175.63	264.13	-4,259.34	4,536.89	4,269.25	267.63	16.952		
7,050.00	6,857.42	6,823.42	6,823.42	32.03	236.46	-173.10	264.13	-4,259.34	4,578.23	4,309.85	268.38	17.059		
7,100.00	6,882.16	6,848.16	6,848.16	32.36	237.32	-170.08	264.13	-4,259.34	4,621.55	4,352.23	269.32	17.160		
7,150.00	6,903.48	6,869.48	6,869.48	32.73	238.07	-166.22	264.13	-4,259.34	4,666.58	4,396.46	270.13	17.276		
7,200.00	6,921.25	6,887.25	6,887.25	33.15	238.69	-160.97	264.13	-4,259.34	4,713.06	4,442.27	270.79	17.405		
7,250.00	6,935.36	6,901.36	6,901.36	33.61	239.18	-153.28	264.13	-4,259.34	4,760.69	4,489.37	271.32	17.547		
7,300.00	6,945.72	6,911.72	6,911.72	34.11	239.54	-141.24	264.13	-4,259.34	4,809.19	4,537.49	271.70	17.700		
7,350.00	6,952.26	6,918.26	6,918.26	34.65	239.77	-122.00	264.13	-4,259.34	4,858.25	4,586.31	271.94	17.865		
7,403.14	6,955.00	6,921.00	6,921.00	35.26	239.87	-93.67	264.13	-4,259.34	4,910.68	4,638.65	272.04	18.052		
7,500.00	6,955.99	6,921.99	6,921.99	36.49	239.90	-93.75	264.13	-4,259.34	5,006.34	4,734.27	272.07	18.401		
7,600.00	6,957.03	6,923.03	6,923.03	37.93	239.94	-93.82	264.13	-4,259.34	5,105.14	4,833.03	272.11	18.761		
7,700.00	6,958.06	6,924.06	6,924.06	39.52	239.97	-93.90	264.13	-4,259.34	5,203.99	4,931.84	272.15	19.122		
7,800.00	6,959.09	6,925.09	6,925.09	41.25	240.01	-93.97	264.13	-4,259.34	5,302.88	5,030.68	272.20	19.481		
7,900.00	6,960.12	6,926.12	6,926.12	43.09	240.05	-94.05	264.13	-4,259.34	5,401.81	5,129.55	272.26	19.841		
8,000.00	6,961.15	6,927.15	6,927.15	45.04	240.08	-94.12	264.13	-4,259.34	5,500.78	5,228.46	272.32	20.200		
8,100.00	6,962.18	6,928.18	6,928.18	47.08	240.12	-94.20	264.13	-4,259.34	5,599.79	5,327.40	272.38	20.559		
8,200.00	6,963.21	6,929.21	6,929.21	49.20	240.15	-94.28	264.13	-4,259.34	5,698.83	5,426.38	272.45	20.917		
8,300.00	6,964.24	6,930.24	6,930.24	51.39	240.19	-94.35	264.13	-4,259.34	5,797.90	5,525.38	272.52	21.275		
8,400.00	6,965.27	6,931.27	6,931.27	53.64	240.23	-94.43	264.13	-4,259.34	5,897.00	5,624.41	272.59	21.633		
8,500.00	6,966.30	6,932.30	6,932.30	55.95	240.26	-94.50	264.13	-4,259.34	5,996.14	5,723.47	272.67	21.991		
8,600.00	6,967.33	6,933.33	6,933.33	58.30	240.30	-94.58	264.13	-4,259.34	6,095.30	5,822.55	272.74	22.348		
8,700.00	6,968.37	6,934.37	6,934.37	60.70	240.33	-94.65	264.13	-4,259.34	6,194.49	5,921.66	272.83	22.705		
8,800.00	6,969.40	6,935.40	6,935.40	63.14	240.37	-94.73	264.13	-4,259.34	6,293.70	6,020.79	272.91	23.062		
8,900.00	6,970.43	6,936.43	6,936.43	65.60	240.41	-94.80	264.13	-4,259.34	6,392.94	6,119.95	272.99	23.418		
9,000.00	6,971.46	6,937.46	6,937.46	68.10	240.44	-94.88	264.13	-4,259.34	6,492.20	6,219.12	273.08	23.774		
9,100.00	6,972.49	6,938.49	6,938.49	70.63	240.48	-94.95	264.13	-4,259.34	6,591.49	6,318.32	273.17	24.130		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,200.00	6,973.52	6,939.52	6,939.52	73.18	240.51	95.03	264.13	-4,259.34	6,690.79	6,417.53	273.26	24.485		
9,300.00	6,974.55	6,940.55	6,940.55	75.75	240.55	95.10	264.13	-4,259.34	6,790.12	6,516.76	273.35	24.840		
9,400.00	6,975.58	6,941.58	6,941.58	78.34	240.59	95.18	264.13	-4,259.34	6,889.46	6,616.01	273.45	25.195		
9,500.00	6,976.61	6,942.61	6,942.61	80.94	240.62	95.25	264.13	-4,259.34	6,988.82	6,715.28	273.54	25.549		
9,600.00	6,977.64	6,943.64	6,943.64	83.56	240.66	95.33	264.13	-4,259.34	7,088.21	6,814.57	273.64	25.904		
9,700.00	6,978.68	6,944.68	6,944.68	86.20	240.69	95.41	264.13	-4,259.34	7,187.60	6,913.87	273.74	26.257		
9,800.00	6,979.71	6,945.71	6,945.71	88.85	240.73	95.48	264.13	-4,259.34	7,287.02	7,013.18	273.84	26.611		
9,900.00	6,980.74	6,946.74	6,946.74	91.51	240.77	95.56	264.13	-4,259.34	7,386.45	7,112.51	273.94	26.964		
10,000.00	6,981.77	6,947.77	6,947.77	94.19	240.80	95.63	264.13	-4,259.34	7,485.89	7,211.85	274.04	27.317		
10,100.00	6,982.80	6,948.80	6,948.80	96.87	240.84	95.71	264.13	-4,259.34	7,585.35	7,311.21	274.14	27.670		
10,200.00	6,983.83	6,949.83	6,949.83	99.56	240.87	95.78	264.13	-4,259.34	7,684.83	7,410.58	274.24	28.022		
10,300.00	6,984.86	6,950.86	6,950.86	102.27	240.91	95.86	264.13	-4,259.34	7,784.31	7,509.96	274.35	28.374		
10,400.00	6,985.89	6,951.89	6,951.89	104.98	240.95	95.93	264.13	-4,259.34	7,883.81	7,609.36	274.45	28.725		
10,500.00	6,986.92	6,952.92	6,952.92	107.69	240.98	96.01	264.13	-4,259.34	7,983.32	7,708.76	274.56	29.077		
10,600.00	6,987.95	6,953.95	6,953.95	110.41	241.02	96.08	264.13	-4,259.34	8,082.85	7,808.18	274.67	29.428		
10,700.00	6,988.99	6,954.99	6,954.99	113.14	241.05	96.16	264.13	-4,259.34	8,182.38	7,907.61	274.78	29.778		
10,800.00	6,990.02	6,956.02	6,956.02	115.88	241.09	96.23	264.13	-4,259.34	8,281.93	8,007.05	274.88	30.129		
10,900.00	6,991.05	6,957.05	6,957.05	118.62	241.13	96.31	264.13	-4,259.34	8,381.49	8,106.49	274.99	30.479		
11,000.00	6,992.08	6,958.08	6,958.08	121.37	241.16	96.38	264.13	-4,259.34	8,481.05	8,205.95	275.10	30.828		
11,100.00	6,993.11	6,959.11	6,959.11	124.12	241.20	96.46	264.13	-4,259.34	8,580.63	8,305.42	275.22	31.178		
11,200.00	6,994.14	6,960.14	6,960.14	126.87	241.23	96.53	264.13	-4,259.34	8,680.22	8,404.89	275.33	31.527		
11,300.00	6,995.17	6,961.17	6,961.17	129.63	241.27	96.61	264.13	-4,259.34	8,779.81	8,504.37	275.44	31.876		
11,400.00	6,996.20	6,962.20	6,962.20	132.39	241.31	96.68	264.13	-4,259.34	8,879.42	8,603.87	275.55	32.224		
11,500.00	6,997.23	6,963.23	6,963.23	135.16	241.34	96.76	264.13	-4,259.34	8,979.03	8,703.37	275.67	32.572		
11,600.00	6,998.26	6,964.26	6,964.26	137.93	241.38	96.83	264.13	-4,259.34	9,078.66	8,802.87	275.78	32.920		
11,700.00	6,999.30	6,965.30	6,965.30	140.70	241.41	96.90	264.13	-4,259.34	9,178.29	8,902.39	275.90	33.267		
11,800.00	7,000.33	6,966.33	6,966.33	143.48	241.45	96.98	264.13	-4,259.34	9,277.92	9,001.91	276.01	33.614		
11,900.00	7,001.36	6,967.36	6,967.36	146.26	241.49	97.05	264.13	-4,259.34	9,377.57	9,101.44	276.13	33.961		
12,000.00	7,002.39	6,968.39	6,968.39	149.04	241.52	97.13	264.13	-4,259.34	9,477.22	9,200.97	276.25	34.307		
12,100.00	7,003.42	6,969.42	6,969.42	151.82	241.56	97.20	264.13	-4,259.34	9,576.88	9,300.52	276.37	34.653		
12,200.00	7,004.45	6,970.45	6,970.45	154.61	241.59	97.28	264.13	-4,259.34	9,676.55	9,400.07	276.49	34.998		
12,300.00	7,005.48	6,971.48	6,971.48	157.40	241.63	97.35	264.13	-4,259.34	9,776.22	9,499.62	276.60	35.344		
12,400.00	7,006.51	6,972.51	6,972.51	160.19	241.67	97.43	264.13	-4,259.34	9,875.90	9,599.18	276.72	35.689		
12,500.00	7,007.54	6,973.54	6,973.54	162.98	241.70	97.50	264.13	-4,259.34	9,975.59	9,698.75	276.85	36.033		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	73.06	745.85	2,448.50	2,559.58					
100.00	100.00	92.63	92.63	3.28	3.29	73.06	745.88	2,448.55	2,559.64	2,553.07	6.57	389.552		
200.00	200.00	195.12	195.12	3.34	3.34	73.06	746.01	2,448.61	2,559.73	2,553.05	6.68	383.458		
300.00	299.98	306.23	306.23	3.45	3.46	76.00	746.26	2,448.33	2,559.13	2,552.23	6.90	370.723		
400.00	399.84	412.89	412.88	3.61	3.63	76.15	746.53	2,447.66	2,557.35	2,550.12	7.23	353.615		
500.00	499.45	519.03	519.03	3.82	3.85	76.40	746.71	2,446.68	2,554.43	2,546.78	7.65	333.809		
600.00	598.70	613.60	613.59	4.07	4.07	76.72	746.63	2,445.89	2,550.74	2,542.62	8.12	314.035		
680.00	677.76	691.24	691.22	4.29	4.28	77.04	746.63	2,445.32	2,547.36	2,538.81	8.55	297.943		
700.00	697.48	711.16	711.14	4.35	4.33	77.11	746.67	2,445.16	2,546.46	2,537.80	8.66	293.916		
800.00	796.08	812.82	812.80	4.66	4.63	77.47	746.90	2,444.29	2,541.98	2,532.71	9.27	274.160		
900.00	894.68	912.91	912.89	4.98	4.94	77.83	747.12	2,443.36	2,537.51	2,527.59	9.92	255.791		
1,000.00	993.28	1,014.29	1,014.26	5.34	5.28	78.19	747.31	2,442.35	2,533.07	2,522.46	10.61	238.755		
1,100.00	1,091.88	1,123.25	1,123.21	5.71	5.65	78.58	747.54	2,440.94	2,528.46	2,517.10	11.36	222.664		
1,200.00	1,190.48	1,227.91	1,227.86	6.10	6.02	78.96	747.61	2,439.24	2,523.59	2,511.48	12.11	208.348		
1,300.00	1,289.07	1,325.17	1,325.10	6.49	6.37	79.31	747.74	2,437.58	2,518.76	2,505.90	12.86	195.811		
1,400.00	1,387.67	1,422.64	1,422.56	6.90	6.74	79.66	748.09	2,435.95	2,514.12	2,500.49	13.63	184.436		
1,500.00	1,486.27	1,524.58	1,524.49	7.31	7.12	80.03	748.28	2,434.18	2,509.47	2,495.04	14.43	173.906		
1,600.00	1,584.87	1,620.63	1,620.52	7.73	7.49	80.38	748.48	2,432.54	2,504.95	2,489.73	15.22	164.600		
1,700.00	1,683.47	1,721.74	1,721.62	8.16	7.88	80.75	748.67	2,430.82	2,500.54	2,484.51	16.04	155.933		
1,800.00	1,782.07	1,823.68	1,823.53	8.59	8.28	81.12	748.76	2,428.92	2,496.05	2,479.18	16.87	147.998		
1,900.00	1,880.67	1,913.71	1,913.56	9.02	8.64	81.45	748.99	2,427.33	2,491.79	2,474.14	17.66	141.127		
2,000.00	1,979.27	1,998.37	1,998.21	9.46	8.98	81.75	749.53	2,426.19	2,488.11	2,469.68	18.43	134.988		
2,100.00	2,077.87	2,093.70	2,093.52	9.90	9.36	82.09	750.45	2,425.18	2,484.87	2,465.61	19.25	129.056		
2,200.00	2,176.47	2,195.00	2,194.81	10.35	9.77	82.44	752.04	2,424.01	2,481.75	2,461.64	20.11	123.439		
2,300.00	2,275.07	2,289.35	2,289.13	10.79	10.15	82.74	754.23	2,422.82	2,478.73	2,457.80	20.93	118.411		
2,400.00	2,373.67	2,388.94	2,388.67	11.24	10.55	83.06	756.85	2,421.60	2,475.90	2,454.11	21.79	113.643		
2,500.00	2,472.27	2,473.27	2,472.95	11.69	10.90	83.32	759.52	2,420.70	2,473.37	2,450.79	22.58	109.526		
2,600.00	2,570.87	2,563.06	2,562.67	12.14	11.27	83.59	762.97	2,420.15	2,471.48	2,448.08	23.40	105.605		
2,700.00	2,669.47	2,660.72	2,660.26	12.59	11.67	83.87	766.79	2,419.76	2,469.87	2,445.61	24.26	101.814		
2,800.00	2,768.07	2,755.51	2,754.96	13.04	12.07	84.15	770.76	2,419.36	2,468.35	2,443.24	25.10	98.321		
2,900.00	2,866.67	2,836.95	2,836.32	13.50	12.41	84.38	774.30	2,419.32	2,467.29	2,441.40	25.90	95.274		
2,949.97	2,915.94	2,873.05	2,872.39	13.72	12.56	84.48	775.92	2,419.57	2,467.15	2,440.88	26.27	93.904		
3,000.00	2,965.27	2,913.09	2,912.39	13.95	12.72	84.60	777.76	2,420.05	2,467.28	2,440.62	26.67	92.525		
3,100.00	3,063.87	3,013.79	3,012.97	14.41	13.15	84.89	782.31	2,421.35	2,467.67	2,440.12	27.54	89.599		
3,200.00	3,162.47	3,102.97	3,102.04	14.87	13.52	85.14	786.40	2,422.67	2,468.32	2,439.95	28.37	87.011		
3,300.00	3,261.07	3,196.68	3,195.65	15.32	13.91	85.41	790.75	2,424.36	2,469.35	2,440.13	29.22	84.522		
3,400.00	3,359.67	3,282.72	3,281.58	15.78	14.27	85.67	794.35	2,426.28	2,470.81	2,440.78	30.03	82.283		
3,500.00	3,458.27	3,385.98	3,384.75	16.24	14.71	85.99	798.02	2,428.93	2,472.60	2,441.68	30.92	79.973		
3,600.00	3,556.87	3,481.57	3,480.25	16.70	15.11	86.29	801.33	2,431.28	2,474.34	2,442.56	31.77	77.873		
3,700.00	3,655.47	3,577.55	3,576.14	17.16	15.51	86.59	804.55	2,433.82	2,476.33	2,443.69	32.63	75.885		
3,800.00	3,754.06	3,694.34	3,692.86	17.62	16.00	86.98	807.27	2,436.77	2,478.19	2,444.60	33.58	73.790		
3,900.00	3,852.66	3,802.17	3,800.66	18.08	16.44	87.37	808.83	2,438.91	2,479.49	2,445.00	34.50	71.878		
4,000.00	3,951.26	3,910.54	3,909.00	18.54	16.90	87.76	810.20	2,440.68	2,480.54	2,445.13	35.41	70.051		
4,100.00	4,049.86	4,020.89	4,019.34	19.01	17.36	88.16	811.33	2,442.04	2,481.28	2,444.94	36.33	68.290		
4,200.00	4,148.46	4,129.47	4,127.91	19.47	17.81	88.55	812.58	2,442.80	2,481.59	2,444.34	37.25	66.617		
4,300.00	4,247.06	4,227.45	4,225.88	19.93	18.22	88.90	813.89	2,443.42	2,481.94	2,443.82	38.12	65.102		
4,400.00	4,345.66	4,335.28	4,333.69	20.39	18.67	89.28	815.67	2,443.87	2,482.21	2,443.17	39.04	63.582		
4,500.00	4,444.26	4,464.93	4,463.32	20.86	19.22	89.72	817.99	2,443.55	2,481.97	2,441.92	40.05	61.978		
4,600.00	4,542.86	4,613.15	4,611.51	21.32	19.85	90.25	819.50	2,440.58	2,479.98	2,438.86	41.12	60.314		
4,700.00	4,641.46	4,716.41	4,714.71	21.78	20.28	90.64	820.13	2,437.50	2,477.12	2,435.10	42.01	58.959		
4,800.00	4,740.06	4,821.05	4,819.29	22.25	20.72	91.03	820.59	2,434.04	2,474.03	2,431.12	42.92	57.648		
4,900.00	4,838.66	4,918.00	4,916.19	22.71	21.14	91.39	821.05	2,430.83	2,471.04	2,427.25	43.79	56.428		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	5,022.65	5,020.77	23.18	21.58	91.78	821.54	2,427.19	2,468.00	2,423.30	44.69	55.220		
5,100.00	5,035.86	5,118.72	5,116.79	23.64	21.99	92.13	822.20	2,423.82	2,465.04	2,419.47	45.57	54.098		
5,200.00	5,134.46	5,216.39	5,214.39	24.11	22.40	92.50	822.62	2,420.44	2,462.22	2,415.78	46.44	53.014		
5,300.00	5,233.06	5,305.95	5,303.91	24.57	22.78	92.85	822.71	2,417.54	2,459.72	2,412.43	47.29	52.010		
5,400.00	5,331.66	5,386.04	5,383.97	25.04	23.12	93.16	822.79	2,415.40	2,457.90	2,409.80	48.10	51.096		
5,500.00	5,430.26	5,495.91	5,493.81	25.50	23.58	93.59	822.68	2,412.74	2,456.45	2,407.42	49.03	50.100		
5,600.00	5,528.86	5,588.16	5,586.03	25.97	23.98	93.95	822.48	2,410.30	2,454.88	2,404.99	49.89	49.207		
5,700.00	5,627.46	5,665.22	5,663.07	26.43	24.30	94.25	822.58	2,408.68	2,453.97	2,403.29	50.69	48.415		
5,736.15	5,663.11	5,692.31	5,690.16	26.60	24.42	94.35	822.63	2,408.29	2,453.90	2,402.93	50.97	48.144		
5,800.00	5,726.06	5,754.19	5,752.04	26.90	24.68	94.59	822.79	2,407.56	2,453.97	2,402.44	51.53	47.623		
5,900.00	5,824.66	5,859.30	5,857.13	27.36	25.13	94.99	823.22	2,406.18	2,454.04	2,401.60	52.44	46.797		
5,990.80	5,914.18	5,950.35	5,948.17	27.79	25.51	95.33	823.94	2,404.77	2,453.97	2,400.72	53.25	46.085		
6,000.00	5,923.26	5,959.05	5,956.87	27.83	25.55	95.36	824.05	2,404.64	2,453.97	2,400.64	53.33	46.016		
6,100.00	6,021.86	6,048.01	6,045.81	28.30	25.93	95.67	825.44	2,403.47	2,454.19	2,400.02	54.17	45.304		
6,200.00	6,120.46	6,147.80	6,145.56	28.76	26.35	96.00	827.81	2,402.61	2,454.92	2,399.86	55.06	44.586		
6,300.00	6,219.06	6,251.63	6,249.35	29.23	26.79	96.34	830.83	2,401.27	2,455.26	2,399.29	55.97	43.870		
6,405.66	6,323.24	6,357.82	6,355.48	29.72	27.24	96.67	834.09	2,400.08	2,455.88	2,398.97	56.91	43.154		
6,450.00	6,366.93	6,408.07	6,405.70	29.93	27.46	97.18	835.48	2,399.36	2,454.50	2,397.17	57.33	42.815		
6,500.00	6,415.96	6,467.90	6,465.49	30.15	27.71	97.50	837.12	2,398.30	2,449.11	2,391.30	57.81	42.367		
6,550.00	6,464.44	6,519.18	6,516.74	30.37	27.93	97.80	838.60	2,397.21	2,439.70	2,381.46	58.24	41.888		
6,600.00	6,512.08	6,560.46	6,558.00	30.58	28.11	98.11	839.81	2,396.40	2,426.59	2,367.96	58.63	41.388		
6,650.00	6,558.58	6,601.07	6,598.59	30.78	28.28	98.42	841.04	2,395.71	2,409.89	2,350.88	59.00	40.843		
6,700.00	6,603.65	6,655.19	6,652.67	30.97	28.51	98.74	842.75	2,394.75	2,389.55	2,330.13	59.42	40.213		
6,750.00	6,647.02	6,707.02	6,704.46	31.15	28.73	99.06	844.52	2,393.65	2,365.58	2,305.77	59.82	39.546		
6,800.00	6,688.42	6,752.28	6,749.67	31.31	28.92	99.38	846.26	2,392.58	2,338.19	2,278.01	60.18	38.856		
6,850.00	6,727.59	6,795.41	6,792.75	31.46	29.11	99.70	848.11	2,391.50	2,307.58	2,247.07	60.51	38.135		
6,900.00	6,764.29	6,828.81	6,826.10	31.60	29.25	99.99	849.69	2,390.66	2,274.00	2,213.20	60.80	37.404		
6,950.00	6,798.30	6,858.97	6,856.22	31.73	29.38	100.28	851.23	2,389.96	2,237.72	2,176.67	61.06	36.650		
7,000.00	6,829.41	6,886.59	6,883.78	31.84	29.50	100.56	852.73	2,389.36	2,198.97	2,137.68	61.29	35.876		
7,050.00	6,857.42	6,915.43	6,912.57	32.03	29.62	100.84	854.38	2,388.77	2,157.96	2,096.44	61.52	35.077		
7,100.00	6,882.16	6,944.67	6,941.76	32.36	29.75	101.11	856.06	2,388.11	2,114.86	2,053.13	61.74	34.256		
7,150.00	6,903.48	6,969.42	6,966.46	32.73	29.85	101.38	857.48	2,387.50	2,069.96	2,008.03	61.92	33.428		
7,200.00	6,921.25	6,989.58	6,986.57	33.15	29.94	101.64	858.64	2,386.96	2,023.54	1,961.46	62.08	32.597		
7,250.00	6,935.36	7,005.07	7,002.04	33.61	30.00	101.89	859.52	2,386.52	1,975.92	1,913.71	62.21	31.764		
7,300.00	6,945.72	7,015.87	7,012.82	34.11	30.05	102.14	860.14	2,386.20	1,927.40	1,865.09	62.31	30.933		
7,350.00	6,952.26	7,016.42	7,013.36	34.65	30.05	102.39	860.17	2,386.21	1,878.33	1,815.96	62.37	30.116		
7,403.14	6,955.00	7,017.60	7,014.55	35.26	30.06	102.64	860.24	2,386.17	1,825.84	1,763.41	62.43	29.247		
7,500.00	6,955.99	7,016.20	7,013.14	36.49	30.05	102.89	860.16	2,386.21	1,730.15	1,667.63	62.52	27.672		
7,600.00	6,957.03	7,018.97	7,015.90	37.93	30.06	103.14	860.32	2,386.11	1,631.48	1,568.82	62.66	26.038		
7,700.00	6,958.06	7,016.79	7,013.73	39.52	30.05	103.39	860.19	2,386.18	1,533.01	1,470.20	62.81	24.408		
7,800.00	6,959.09	7,014.65	7,011.60	41.25	30.04	103.64	860.07	2,386.24	1,434.75	1,371.75	63.00	22.775		
7,900.00	6,960.12	7,012.55	7,009.51	43.09	30.03	103.89	859.95	2,386.30	1,336.74	1,273.50	63.24	21.138		
8,000.00	6,961.15	7,010.50	7,007.45	45.04	30.03	104.14	859.83	2,386.36	1,239.05	1,175.50	63.55	19.497		
8,100.00	6,962.18	7,008.48	7,005.44	47.08	30.02	104.39	859.72	2,386.42	1,141.76	1,077.81	63.95	17.853		
8,200.00	6,963.21	7,006.50	7,003.46	49.20	30.01	104.64	859.61	2,386.48	1,044.98	980.49	64.49	16.205		
8,300.00	6,964.24	7,004.56	7,001.53	51.39	30.00	104.89	859.49	2,386.53	948.85	883.66	65.19	14.554		
8,400.00	6,965.27	7,002.65	6,999.62	53.64	29.99	105.14	859.39	2,386.59	853.62	787.46	66.16	12.903		
8,500.00	6,966.30	7,000.78	6,997.75	55.95	29.98	105.39	859.28	2,386.64	759.60	692.12	67.48	11.256		
8,600.00	6,967.33	6,998.94	6,995.91	58.30	29.98	105.64	859.17	2,386.70	667.33	597.97	69.36	9.622		
8,700.00	6,968.37	6,997.13	6,994.11	60.70	29.97	105.89	859.07	2,386.75	577.62	505.58	72.04	8.018		
8,800.00	6,969.40	6,995.35	6,992.34	63.14	29.96	106.14	858.97	2,386.80	491.90	415.97	75.93	6.478		
8,900.00	6,970.43	6,993.61	6,990.60	65.60	29.95	106.39	858.87	2,386.85	412.64	331.11	81.54	5.061		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,971.46	6,991.89	6,988.89	68.10	29.95	94.03	858.77	2,386.89	344.35	255.20	89.15	3.862		
9,100.00	6,972.49	6,990.21	6,987.20	70.63	29.94	93.68	858.67	2,386.94	294.75	197.01	97.74	3.016		
9,200.00	6,973.52	6,988.55	6,985.55	73.18	29.93	93.34	858.58	2,386.99	274.17	170.92	103.25	2.655		
9,208.55	6,973.61	6,988.41	6,985.41	73.40	29.93	93.31	858.57	2,386.99	274.04	170.63	103.41	2.650 CC, ES, SF		
9,300.00	6,974.55	6,986.92	6,983.93	75.75	29.93	92.99	858.48	2,387.03	288.89	187.18	101.70	2.840		
9,400.00	6,975.58	6,985.32	6,982.33	78.34	29.92	92.66	858.39	2,387.07	334.27	239.00	95.28	3.508		
9,500.00	6,976.61	6,983.75	6,980.76	80.94	29.91	92.33	858.30	2,387.12	400.02	311.68	88.33	4.528		
9,600.00	6,977.64	6,982.20	6,979.21	83.56	29.91	92.01	858.21	2,387.16	477.79	395.08	82.71	5.777		
9,700.00	6,978.68	6,980.67	6,977.69	86.20	29.90	91.69	858.13	2,387.20	562.63	484.10	78.53	7.164		
9,800.00	6,979.71	6,979.17	6,976.19	88.85	29.89	91.38	858.04	2,387.24	651.78	576.30	75.48	8.635		
9,900.00	6,980.74	6,977.70	6,974.72	91.51	29.89	91.07	857.96	2,387.28	743.69	670.46	73.23	10.156		
10,000.00	6,981.77	6,976.25	6,973.27	94.19	29.88	90.76	857.87	2,387.32	837.45	765.91	71.54	11.706		
10,100.00	6,982.80	6,974.82	6,971.85	96.87	29.87	90.47	857.79	2,387.35	932.51	862.26	70.25	13.273		
10,200.00	6,983.83	6,973.41	6,970.44	99.56	29.87	90.17	857.71	2,387.39	1,028.50	959.25	69.26	14.851		
10,300.00	6,984.86	6,972.03	6,969.06	102.27	29.86	89.89	857.63	2,387.43	1,125.19	1,056.73	68.47	16.434		
10,400.00	6,985.89	6,970.66	6,967.70	104.98	29.86	89.60	857.55	2,387.46	1,222.41	1,154.58	67.84	18.019		
10,500.00	6,986.92	6,969.32	6,966.36	107.69	29.85	89.32	857.48	2,387.50	1,320.05	1,252.72	67.33	19.606		
10,600.00	6,987.95	6,968.00	6,965.04	110.41	29.84	89.05	857.40	2,387.53	1,418.01	1,351.10	66.91	21.191		
10,700.00	6,988.99	6,966.70	6,963.74	113.14	29.84	88.78	857.32	2,387.57	1,516.24	1,449.67	66.57	22.776		
10,800.00	6,990.02	6,965.42	6,962.46	115.88	29.83	88.51	857.25	2,387.60	1,614.68	1,548.40	66.29	24.359		
10,900.00	6,991.05	6,964.15	6,961.20	118.62	29.83	88.25	857.18	2,387.63	1,713.31	1,647.26	66.05	25.940		
11,000.00	6,992.08	6,962.91	6,959.96	121.37	29.82	87.99	857.11	2,387.66	1,812.08	1,746.23	65.85	27.518		
11,100.00	6,993.11	6,961.68	6,958.73	124.12	29.82	87.74	857.04	2,387.69	1,910.98	1,845.29	65.68	29.093		
11,200.00	6,994.14	6,960.47	6,957.53	126.87	29.81	87.49	856.97	2,387.72	2,009.99	1,944.44	65.54	30.666		
11,300.00	6,995.17	6,959.28	6,956.34	129.63	29.81	87.24	856.90	2,387.75	2,109.09	2,043.66	65.43	32.236		
11,400.00	6,996.20	6,958.11	6,955.17	132.39	29.80	87.00	856.83	2,387.78	2,208.27	2,142.94	65.33	33.803		
11,500.00	6,997.23	6,956.95	6,954.01	135.16	29.80	86.76	856.77	2,387.81	2,307.52	2,242.27	65.25	35.367		
11,600.00	6,998.26	6,955.81	6,952.87	137.93	29.79	86.52	856.70	2,387.84	2,406.83	2,341.65	65.18	36.928		
11,700.00	6,999.30	6,954.68	6,951.75	140.70	29.79	86.29	856.64	2,387.87	2,506.20	2,441.08	65.12	38.485		
11,800.00	7,000.33	6,953.57	6,950.64	143.48	29.78	86.06	856.57	2,387.89	2,605.61	2,540.54	65.08	40.039		
11,900.00	7,001.36	6,952.48	6,949.55	146.26	29.78	85.84	856.51	2,387.92	2,705.07	2,640.03	65.04	41.590		
12,000.00	7,002.39	6,951.40	6,948.47	149.04	29.77	85.61	856.45	2,387.95	2,804.56	2,739.55	65.01	43.138		
12,100.00	7,003.42	6,950.33	6,947.41	151.82	29.77	85.40	856.39	2,387.97	2,904.09	2,839.10	65.00	44.682		
12,200.00	7,004.45	6,949.28	6,946.36	154.61	29.76	85.18	856.33	2,388.00	3,003.65	2,938.67	64.98	46.222		
12,300.00	7,005.48	6,948.25	6,945.33	157.40	29.76	84.97	856.27	2,388.02	3,103.24	3,038.26	64.98	47.759		
12,400.00	7,006.51	6,947.23	6,944.31	160.19	29.76	84.76	856.21	2,388.05	3,202.85	3,137.88	64.98	49.293		
12,500.00	7,007.54	6,946.22	6,943.30	162.98	29.75	84.55	856.15	2,388.07	3,302.49	3,237.51	64.98	50.822		
12,600.00	7,008.57	6,945.22	6,942.31	165.78	29.75	84.35	856.09	2,388.10	3,402.15	3,337.16	64.99	52.348		
12,700.00	7,009.61	6,944.24	6,941.33	168.58	29.74	84.15	856.04	2,388.12	3,501.82	3,436.82	65.00	53.871		
12,800.00	7,010.64	6,943.27	6,940.36	171.38	29.74	83.95	855.98	2,388.14	3,601.52	3,536.50	65.02	55.389		
12,900.00	7,011.67	6,942.31	6,939.40	174.18	29.74	83.76	855.92	2,388.17	3,701.23	3,636.19	65.04	56.904		
13,000.00	7,012.70	6,941.37	6,938.46	176.98	29.73	83.57	855.87	2,388.19	3,800.95	3,735.89	65.07	58.415		
13,100.00	7,013.73	6,940.44	6,937.53	179.78	29.73	83.38	855.82	2,388.21	3,900.69	3,835.60	65.10	59.922		
13,200.00	7,014.76	6,939.51	6,936.61	182.59	29.72	83.19	855.76	2,388.23	4,000.44	3,935.32	65.13	61.425		
13,300.00	7,015.79	6,938.61	6,935.70	185.39	29.72	83.01	855.71	2,388.25	4,100.21	4,035.05	65.16	62.924		
13,400.00	7,016.82	6,937.71	6,934.81	188.20	29.72	82.82	855.66	2,388.27	4,199.98	4,134.78	65.20	64.419		
13,500.00	7,017.85	6,936.82	6,933.92	191.01	29.71	82.65	855.61	2,388.29	4,299.77	4,234.53	65.24	65.909		
13,600.00	7,018.88	6,935.95	6,933.05	193.82	29.71	82.47	855.56	2,388.31	4,399.56	4,334.28	65.28	67.396		
13,700.00	7,019.91	6,935.08	6,932.19	196.63	29.70	82.29	855.51	2,388.33	4,499.36	4,434.04	65.32	68.878		
13,800.00	7,020.95	6,934.23	6,931.33	199.44	29.70	82.12	855.46	2,388.35	4,599.17	4,533.81	65.37	70.357		
13,900.00	7,021.98	6,933.38	6,930.49	202.26	29.70	81.95	855.41	2,388.37	4,698.99	4,633.58	65.42	71.831		
14,000.00	7,023.01	6,932.55	6,929.66	205.07	29.69	81.79	855.36	2,388.39	4,798.82	4,733.35	65.47	73.300		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,024.04	6,931.73	6,928.84	207.89	29.69	81.62	855.32	2,388.41	4,898.65	4,833.13	65.52	74.766		
14,200.00	7,025.07	6,930.91	6,928.02	210.70	29.69	81.46	855.27	2,388.43	4,998.49	4,932.92	65.57	76.227		
14,300.00	7,026.10	6,930.11	6,927.22	213.52	29.68	81.30	855.22	2,388.45	5,098.34	5,032.71	65.63	77.683		
14,400.00	7,027.13	6,929.31	6,926.43	216.34	29.68	81.14	855.18	2,388.46	5,198.19	5,132.50	65.69	79.135		
14,500.00	7,028.16	6,928.53	6,925.64	219.16	29.68	80.98	855.13	2,388.48	5,298.05	5,232.30	65.75	80.583		
14,600.00	7,029.19	6,927.75	6,924.87	221.98	29.67	80.83	855.09	2,388.50	5,397.91	5,332.10	65.81	82.026		
14,700.00	7,030.22	6,926.98	6,924.10	224.80	29.67	80.67	855.04	2,388.52	5,497.78	5,431.91	65.87	83.464		
14,800.00	7,031.26	6,926.22	6,923.35	227.62	29.67	80.52	855.00	2,388.53	5,597.65	5,531.72	65.93	84.898		
14,900.00	7,032.29	6,925.47	6,922.60	230.44	29.66	80.37	854.96	2,388.55	5,697.53	5,631.53	66.00	86.327		
15,000.00	7,033.32	6,924.73	6,921.86	233.26	29.66	80.23	854.91	2,388.57	5,797.41	5,731.34	66.07	87.752		
15,100.00	7,034.35	6,924.00	6,921.13	236.09	29.66	80.08	854.87	2,388.58	5,897.29	5,831.16	66.13	89.172		
15,200.00	7,035.38	6,923.28	6,920.40	238.91	29.65	79.94	854.83	2,388.60	5,997.18	5,930.97	66.20	90.587		
15,300.00	7,036.41	6,922.56	6,919.69	241.74	29.65	79.80	854.79	2,388.61	6,097.07	6,030.79	66.27	91.998		
15,400.00	7,037.44	6,921.85	6,918.98	244.56	29.65	79.66	854.75	2,388.63	6,196.96	6,130.62	66.35	93.403		
15,500.00	7,038.47	6,921.15	6,918.28	247.39	29.64	79.52	854.71	2,388.65	6,296.86	6,230.44	66.42	94.804		
15,600.00	7,039.50	6,920.46	6,917.59	250.21	29.64	79.38	854.67	2,388.66	6,396.76	6,330.27	66.49	96.200		
15,700.00	7,040.53	6,919.77	6,916.91	253.04	29.64	79.25	854.63	2,388.68	6,496.67	6,430.10	66.57	97.591		
15,800.00	7,041.57	6,919.09	6,916.23	255.87	29.64	79.11	854.59	2,388.69	6,596.57	6,529.93	66.65	98.978		
15,900.00	7,042.60	6,918.42	6,915.56	258.70	29.63	78.98	854.55	2,388.70	6,696.48	6,629.76	66.73	100.359		
16,000.00	7,043.63	6,917.76	6,914.90	261.53	29.63	78.85	854.51	2,388.72	6,796.40	6,729.59	66.80	101.736		
16,100.00	7,044.66	6,917.10	6,914.24	264.35	29.63	78.72	854.48	2,388.73	6,896.31	6,829.43	66.88	103.107		
16,200.00	7,045.69	6,916.45	6,913.59	267.18	29.62	78.59	854.44	2,388.75	6,996.23	6,929.26	66.97	104.474		
16,300.00	7,046.72	6,915.81	6,912.95	270.01	29.62	78.47	854.40	2,388.76	7,096.15	7,029.10	67.05	105.836		
16,400.00	7,047.75	6,915.18	6,912.32	272.84	29.62	78.35	854.36	2,388.77	7,196.07	7,128.93	67.13	107.192		
16,500.00	7,048.78	6,914.55	6,911.69	275.67	29.62	78.22	854.33	2,388.79	7,295.99	7,228.77	67.22	108.544		
16,600.00	7,049.81	6,913.92	6,911.07	278.51	29.61	78.10	854.29	2,388.80	7,395.92	7,328.61	67.30	109.891		
16,700.00	7,050.84	6,913.29	6,910.44	281.34	29.61	77.98	854.25	2,388.81	7,495.84	7,428.53	67.38	111.238		
16,800.00	7,051.87	6,912.66	6,909.81	284.17	29.60	77.86	854.21	2,388.82	7,595.76	7,528.45	67.46	112.585		
16,900.00	7,052.90	6,912.03	6,909.18	287.00	29.60	77.74	854.17	2,388.83	7,695.68	7,628.37	67.54	113.932		
17,000.00	7,053.93	6,911.40	6,908.55	289.83	29.59	77.62	854.13	2,388.84	7,795.60	7,728.29	67.62	115.279		
17,100.00	7,054.96	6,910.77	6,907.92	292.67	29.58	77.50	854.09	2,388.85	7,895.52	7,828.21	67.70	116.626		
17,200.00	7,056.00	6,910.14	6,907.29	295.50	29.57	77.38	854.05	2,388.86	7,995.44	7,928.13	67.78	117.973		
17,300.00	7,057.03	6,909.51	6,906.66	298.33	29.56	77.26	854.01	2,388.87	8,095.36	8,028.05	67.86	119.320		
17,400.00	7,058.06	6,908.88	6,906.03	301.17	29.55	77.14	853.97	2,388.88	8,195.28	8,125.17	67.94	120.667		
17,500.00	7,059.09	6,908.25	6,905.40	304.00	29.54	77.02	853.93	2,388.89	8,295.20	8,225.09	68.02	122.014		
17,600.00	7,060.12	6,907.62	6,904.77	306.84	29.53	76.90	853.89	2,388.90	8,395.12	8,325.01	68.10	123.361		
17,685.09	7,061.00	6,907.00	6,904.15	309.25	29.52	76.78	853.85	2,388.91	8,480.29	8,410.18	68.18	124.708		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.32	-833.35	8,943.60	8,982.38					
100.00	100.00	72.00	72.00	3.28	3.51	95.32	-833.35	8,943.60	8,982.34	8,975.54	6.80	1,321.467		
200.00	200.00	172.00	172.00	3.34	5.38	95.32	-833.35	8,943.60	8,982.34	8,973.63	8.71	1,030.949		
300.00	299.98	271.98	271.98	3.45	8.41	98.23	-833.35	8,943.60	8,982.59	8,970.73	11.86	757.413		
400.00	399.84	371.84	371.84	3.61	11.70	98.25	-833.35	8,943.60	8,983.34	8,968.03	15.31	586.873		
500.00	499.45	471.45	471.45	3.82	15.07	98.28	-833.35	8,943.60	8,984.60	8,965.72	18.88	475.871		
600.00	598.70	570.70	570.70	4.07	18.47	98.32	-833.35	8,943.60	8,986.37	8,963.85	22.52	399.011		
680.00	677.76	649.76	649.76	4.29	21.19	98.36	-833.35	8,943.60	8,988.16	8,962.70	25.46	352.963		
700.00	697.48	669.48	669.48	4.35	21.87	98.38	-833.35	8,943.60	8,988.66	8,962.45	26.20	343.026		
800.00	796.08	768.08	768.08	4.66	25.28	98.48	-833.35	8,943.60	8,991.14	8,961.21	29.92	300.465		
900.00	894.68	866.68	866.68	4.98	28.70	98.59	-833.35	8,943.60	8,993.64	8,959.97	33.68	267.058		
1,000.00	993.28	965.28	965.28	5.34	32.12	98.69	-833.35	8,943.60	8,996.18	8,958.73	37.46	240.186		
1,100.00	1,091.88	1,063.88	1,063.88	5.71	35.55	98.79	-833.35	8,943.60	8,998.75	8,957.50	41.25	218.133		
1,200.00	1,190.48	1,162.48	1,162.48	6.10	38.97	98.90	-833.35	8,943.60	9,001.36	8,956.29	45.07	199.728		
1,300.00	1,289.07	1,261.07	1,261.07	6.49	42.41	99.00	-833.35	8,943.60	9,003.99	8,955.09	48.90	184.147		
1,400.00	1,387.67	1,359.67	1,359.67	6.90	45.84	99.10	-833.35	8,943.60	9,006.65	8,953.91	52.73	170.794		
1,500.00	1,486.27	1,458.27	1,458.27	7.31	49.27	99.21	-833.35	8,943.60	9,009.34	8,952.76	56.58	159.228		
1,600.00	1,584.87	1,556.87	1,556.87	7.73	52.71	99.31	-833.35	8,943.60	9,012.06	8,951.62	60.44	149.118		
1,700.00	1,683.47	1,655.47	1,655.47	8.16	56.14	99.41	-833.35	8,943.60	9,014.81	8,950.51	64.30	140.207		
1,800.00	1,782.07	1,754.07	1,754.07	8.59	59.58	99.52	-833.35	8,943.60	9,017.59	8,949.43	68.16	132.295		
1,900.00	1,880.67	1,852.67	1,852.67	9.02	63.02	99.62	-833.35	8,943.60	9,020.40	8,948.37	72.03	125.226		
2,000.00	1,979.27	1,951.27	1,951.27	9.46	66.45	99.72	-833.35	8,943.60	9,023.24	8,947.33	75.91	118.872		
2,100.00	2,077.87	2,049.87	2,049.87	9.90	69.89	99.83	-833.35	8,943.60	9,026.11	8,946.32	79.79	113.130		
2,200.00	2,176.47	2,148.47	2,148.47	10.35	73.33	99.93	-833.35	8,943.60	9,029.01	8,945.34	83.67	107.918		
2,300.00	2,275.07	2,247.07	2,247.07	10.79	76.77	100.03	-833.35	8,943.60	9,031.94	8,944.39	87.55	103.165		
2,400.00	2,373.67	2,345.67	2,345.67	11.24	80.21	100.14	-833.35	8,943.60	9,034.90	8,943.47	91.43	98.813		
2,500.00	2,472.27	2,444.27	2,444.27	11.69	83.65	100.24	-833.35	8,943.60	9,037.89	8,942.57	95.32	94.815		
2,600.00	2,570.87	2,542.87	2,542.87	12.14	87.09	100.34	-833.35	8,943.60	9,040.91	8,941.70	99.21	91.129		
2,700.00	2,669.47	2,641.47	2,641.47	12.59	90.53	100.44	-833.35	8,943.60	9,043.96	8,940.86	103.10	87.719		
2,800.00	2,768.07	2,740.07	2,740.07	13.04	93.97	100.55	-833.35	8,943.60	9,047.04	8,940.05	106.99	84.557		
2,900.00	2,866.67	2,838.67	2,838.67	13.50	97.41	100.65	-833.35	8,943.60	9,050.15	8,939.26	110.89	81.616		
3,000.00	2,965.27	2,937.27	2,937.27	13.95	100.85	100.75	-833.35	8,943.60	9,053.29	8,938.51	114.78	78.875		
3,100.00	3,063.87	3,035.87	3,035.87	14.41	104.29	100.85	-833.35	8,943.60	9,056.45	8,937.78	118.68	76.312		
3,200.00	3,162.47	3,134.47	3,134.47	14.87	107.73	100.95	-833.35	8,943.60	9,059.65	8,937.08	122.57	73.913		
3,300.00	3,261.07	3,233.07	3,233.07	15.32	111.17	101.06	-833.35	8,943.60	9,062.88	8,936.41	126.47	71.661		
3,400.00	3,359.67	3,331.67	3,331.67	15.78	114.61	101.16	-833.35	8,943.60	9,066.14	8,935.77	130.37	69.543		
3,500.00	3,458.27	3,430.27	3,430.27	16.24	118.05	101.26	-833.35	8,943.60	9,069.42	8,935.16	134.27	67.548		
3,600.00	3,556.87	3,528.87	3,528.87	16.70	121.49	101.36	-833.35	8,943.60	9,072.74	8,934.57	138.17	65.666		
3,700.00	3,655.47	3,627.47	3,627.47	17.16	124.93	101.46	-833.35	8,943.60	9,076.08	8,934.02	142.06	63.887		
3,800.00	3,754.06	3,726.06	3,726.06	17.62	128.37	101.57	-833.35	8,943.60	9,079.46	8,933.49	145.97	62.203		
3,900.00	3,852.66	3,824.66	3,824.66	18.08	131.81	101.67	-833.35	8,943.60	9,082.86	8,933.00	149.87	60.607		
4,000.00	3,951.26	3,923.26	3,923.26	18.54	135.26	101.77	-833.35	8,943.60	9,086.29	8,932.53	153.77	59.091		
4,100.00	4,049.86	4,021.86	4,021.86	19.01	138.70	101.87	-833.35	8,943.60	9,089.76	8,932.09	157.67	57.651		
4,200.00	4,148.46	4,120.46	4,120.46	19.47	142.14	101.97	-833.35	8,943.60	9,093.25	8,931.68	161.57	56.280		
4,300.00	4,247.06	4,219.06	4,219.06	19.93	145.58	102.07	-833.35	8,943.60	9,096.77	8,931.30	165.47	54.974		
4,400.00	4,345.66	4,317.66	4,317.66	20.39	149.02	102.18	-833.35	8,943.60	9,100.32	8,930.94	169.38	53.729		
4,500.00	4,444.26	4,416.26	4,416.26	20.86	152.46	102.28	-833.35	8,943.60	9,103.90	8,930.62	173.28	52.539		
4,600.00	4,542.86	4,514.86	4,514.86	21.32	155.90	102.38	-833.35	8,943.60	9,107.51	8,930.33	177.18	51.402		
4,700.00	4,641.46	4,613.46	4,613.46	21.78	159.34	102.48	-833.35	8,943.60	9,111.15	8,930.06	181.09	50.314		
4,800.00	4,740.06	4,712.06	4,712.06	22.25	162.79	102.58	-833.35	8,943.60	9,114.81	8,929.82	184.99	49.272		
4,900.00	4,838.66	4,810.66	4,810.66	22.71	166.23	102.68	-833.35	8,943.60	9,118.51	8,929.61	188.89	48.273		
5,000.00	4,937.26	4,909.26	4,909.26	23.18	169.67	102.78	-833.35	8,943.60	9,122.23	8,929.43	192.80	47.315		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,035.86	5,007.86	5,007.86	23.64	173.11	102.88	-833.35	8,943.60	9,125.99	8,929.28	196.70	46.395		
5,200.00	5,134.46	5,106.46	5,106.46	24.11	176.55	102.98	-833.35	8,943.60	9,129.77	8,929.16	200.61	45.511		
5,300.00	5,233.06	5,205.06	5,205.06	24.57	179.99	103.08	-833.35	8,943.60	9,133.58	8,929.07	204.51	44.660		
5,400.00	5,331.66	5,303.66	5,303.66	25.04	183.43	103.18	-833.35	8,943.60	9,137.42	8,929.00	208.42	43.842		
5,500.00	5,430.26	5,402.26	5,402.26	25.50	186.88	103.28	-833.35	8,943.60	9,141.29	8,928.97	212.32	43.054		
5,600.00	5,528.86	5,500.86	5,500.86	25.97	190.32	103.38	-833.35	8,943.60	9,145.19	8,928.96	216.23	42.294		
5,700.00	5,627.46	5,600.54	5,599.46	26.43	193.80	103.48	-833.35	8,943.60	9,149.11	8,928.94	220.17	41.555		
5,800.00	5,726.06	5,701.94	5,698.06	26.90	197.34	103.58	-833.35	8,943.60	9,153.07	8,928.90	224.17	40.830		
5,900.00	5,824.66	5,803.34	5,796.66	27.36	200.88	103.68	-833.35	8,943.60	9,157.05	8,928.88	228.18	40.131		
6,000.00	5,923.26	5,904.74	5,895.26	27.83	204.42	103.78	-833.35	8,943.60	9,161.07	8,928.89	232.18	39.457		
6,100.00	6,021.86	6,006.14	5,993.86	28.30	207.96	103.88	-833.35	8,943.60	9,165.11	8,928.92	236.18	38.805		
6,200.00	6,120.46	6,107.54	6,092.46	28.76	211.49	103.98	-833.35	8,943.60	9,169.18	8,928.99	240.19	38.175		
6,300.00	6,219.06	6,208.95	6,191.06	29.23	215.03	104.08	-833.35	8,943.60	9,173.28	8,929.08	244.19	37.566		
6,405.66	6,323.24	6,304.76	6,295.24	29.72	218.38	104.19	-833.35	8,943.60	9,177.64	8,929.61	248.03	37.003		
6,450.00	6,366.93	6,338.93	6,338.93	29.93	219.57	81.55	-833.35	8,943.60	9,177.97	8,928.54	249.42	36.797		
6,500.00	6,415.96	6,387.96	6,387.96	30.15	221.28	62.27	-833.35	8,943.60	9,174.73	8,923.36	251.36	36.500		
6,550.00	6,464.44	6,436.44	6,436.44	30.37	222.98	50.07	-833.35	8,943.60	9,167.68	8,914.41	253.27	36.197		
6,600.00	6,512.08	6,484.08	6,484.08	30.58	224.64	42.49	-833.35	8,943.60	9,156.87	8,901.72	255.15	35.888		
6,650.00	6,558.58	6,530.58	6,530.58	30.78	226.26	37.65	-833.35	8,943.60	9,142.37	8,885.40	256.97	35.577		
6,700.00	6,603.65	6,575.65	6,575.65	30.97	227.83	34.48	-833.35	8,943.60	9,124.27	8,865.54	258.74	35.264		
6,750.00	6,647.02	6,619.02	6,619.02	31.15	229.35	32.43	-833.35	8,943.60	9,102.69	8,842.25	260.43	34.952		
6,800.00	6,688.42	6,660.42	6,660.42	31.31	230.79	31.18	-833.35	8,943.60	9,077.75	8,815.70	262.05	34.641		
6,850.00	6,727.59	6,700.41	6,699.59	31.46	232.19	30.56	-833.35	8,943.60	9,049.61	8,786.01	263.61	34.330		
6,900.00	6,764.29	6,736.29	6,736.29	31.60	233.44	30.47	-833.35	8,943.60	9,018.46	8,753.45	265.01	34.031		
6,950.00	6,798.30	6,770.30	6,770.30	31.73	234.63	30.88	-833.35	8,943.60	8,984.47	8,718.14	266.34	33.733		
7,000.00	6,829.41	6,801.41	6,801.41	31.84	235.72	31.81	-833.35	8,943.60	8,947.87	8,680.32	267.55	33.443		
7,050.00	6,857.42	6,829.42	6,829.42	32.03	236.69	33.34	-833.35	8,943.60	8,908.88	8,640.23	268.65	33.161		
7,100.00	6,882.16	6,854.16	6,854.16	32.36	237.56	35.57	-833.35	8,943.60	8,867.74	8,598.11	269.63	32.888		
7,150.00	6,903.48	6,875.48	6,875.48	32.73	238.30	38.73	-833.35	8,943.60	8,824.70	8,554.21	270.48	32.626		
7,200.00	6,921.25	6,906.75	6,893.25	33.15	239.39	43.15	-833.35	8,943.60	8,780.02	8,508.35	271.67	32.319		
7,250.00	6,935.36	6,907.36	6,907.36	33.61	239.41	49.36	-833.35	8,943.60	8,733.99	8,462.21	271.78	32.136		
7,300.00	6,945.72	6,917.72	6,917.72	34.11	239.77	58.13	-833.35	8,943.60	8,686.88	8,414.65	272.23	31.910		
7,350.00	6,952.26	6,924.26	6,924.26	34.65	240.00	70.39	-833.35	8,943.60	8,638.99	8,366.45	272.54	31.697		
7,403.14	6,955.00	6,927.00	6,927.00	35.26	240.10	87.60	-833.35	8,943.60	8,587.56	8,314.83	272.72	31.488		
7,500.00	6,955.99	6,927.99	6,927.99	36.49	240.13	87.63	-833.35	8,943.60	8,493.54	8,220.62	272.92	31.121		
7,600.00	6,957.03	6,929.03	6,929.03	37.93	240.17	87.66	-833.35	8,943.60	8,396.55	8,123.41	273.14	30.741		
7,700.00	6,958.06	6,930.06	6,930.06	39.52	240.21	87.69	-833.35	8,943.60	8,299.63	8,026.25	273.37	30.360		
7,800.00	6,959.09	6,931.09	6,931.09	41.25	240.24	87.72	-833.35	8,943.60	8,202.78	7,929.14	273.64	29.977		
7,900.00	6,960.12	6,932.12	6,932.12	43.09	240.28	87.75	-833.35	8,943.60	8,106.01	7,832.09	273.92	29.593		
8,000.00	6,961.15	6,933.15	6,933.15	45.04	240.31	87.77	-833.35	8,943.60	8,009.31	7,735.08	274.23	29.207		
8,100.00	6,962.18	6,934.18	6,934.18	47.08	240.35	87.80	-833.35	8,943.60	7,912.70	7,638.14	274.56	28.819		
8,200.00	6,963.21	6,935.21	6,935.21	49.20	240.39	87.83	-833.35	8,943.60	7,816.18	7,541.25	274.92	28.430		
8,300.00	6,964.24	6,936.24	6,936.24	51.39	240.42	87.86	-833.35	8,943.60	7,719.74	7,444.43	275.31	28.040		
8,400.00	6,965.27	6,937.27	6,937.27	53.64	240.46	87.89	-833.35	8,943.60	7,623.39	7,347.67	275.73	27.648		
8,500.00	6,966.30	6,938.30	6,938.30	55.95	240.49	87.92	-833.35	8,943.60	7,527.14	7,250.97	276.17	27.255		
8,600.00	6,967.33	6,939.33	6,939.33	58.30	240.53	87.95	-833.35	8,943.60	7,430.99	7,154.35	276.65	26.861		
8,700.00	6,968.37	6,940.37	6,940.37	60.70	240.57	87.98	-833.35	8,943.60	7,334.94	7,057.79	277.15	26.465		
8,800.00	6,969.40	6,941.40	6,941.40	63.14	240.60	88.00	-833.35	8,943.60	7,239.00	6,961.31	277.69	26.068		
8,900.00	6,970.43	6,942.43	6,942.43	65.60	240.64	88.03	-833.35	8,943.60	7,143.17	6,864.90	278.27	25.670		
9,000.00	6,971.46	6,943.46	6,943.46	68.10	240.67	88.06	-833.35	8,943.60	7,047.46	6,768.58	278.88	25.271		
9,100.00	6,972.49	6,944.49	6,944.49	70.63	240.71	88.09	-833.35	8,943.60	6,951.86	6,672.34	279.53	24.870		
9,200.00	6,973.52	6,945.52	6,945.52	73.18	240.75	88.12	-833.35	8,943.60	6,856.39	6,576.18	280.21	24.469		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,300.00	6,974.55	6,946.55	6,946.55	75.75	240.78	88.15	-833.35	8,943.60	6,761.06	6,480.12	280.93	24.066		
9,400.00	6,975.58	6,947.58	6,947.58	78.34	240.82	88.18	-833.35	8,943.60	6,665.85	6,384.16	281.70	23.663		
9,500.00	6,976.61	6,948.61	6,948.61	80.94	240.85	88.21	-833.35	8,943.60	6,570.79	6,288.29	282.50	23.259		
9,600.00	6,977.64	6,949.64	6,949.64	83.56	240.89	88.23	-833.35	8,943.60	6,475.88	6,192.53	283.35	22.855		
9,700.00	6,978.68	6,950.68	6,950.68	86.20	240.93	88.26	-833.35	8,943.60	6,381.13	6,096.88	284.25	22.449		
9,800.00	6,979.71	6,951.71	6,951.71	88.85	240.96	88.29	-833.35	8,943.60	6,286.54	6,001.35	285.19	22.044		
9,900.00	6,980.74	6,952.74	6,952.74	91.51	241.00	88.32	-833.35	8,943.60	6,192.11	5,905.94	286.17	21.638		
10,000.00	6,981.77	6,953.77	6,953.77	94.19	241.03	88.35	-833.35	8,943.60	6,097.87	5,810.66	287.21	21.231		
10,100.00	6,982.80	6,954.80	6,954.80	96.87	241.07	88.38	-833.35	8,943.60	6,003.81	5,715.51	288.30	20.825		
10,200.00	6,983.83	6,955.83	6,955.83	99.56	241.11	88.41	-833.35	8,943.60	5,909.94	5,620.50	289.44	20.418		
10,300.00	6,984.86	6,956.86	6,956.86	102.27	241.14	88.44	-833.35	8,943.60	5,816.28	5,525.64	290.64	20.012		
10,400.00	6,985.89	6,957.89	6,957.89	104.98	241.18	88.46	-833.35	8,943.60	5,722.84	5,430.94	291.89	19.606		
10,500.00	6,986.92	6,958.92	6,958.92	107.69	241.21	88.49	-833.35	8,943.60	5,629.62	5,336.41	293.21	19.200		
10,600.00	6,987.95	6,959.95	6,959.95	110.41	241.25	88.52	-833.35	8,943.60	5,536.63	5,242.05	294.58	18.795		
10,700.00	6,988.99	6,960.99	6,960.99	113.14	241.29	88.55	-833.35	8,943.60	5,443.90	5,147.88	296.02	18.391		
10,800.00	6,990.02	6,962.02	6,962.02	115.88	241.32	88.58	-833.35	8,943.60	5,351.42	5,053.90	297.52	17.987		
10,900.00	6,991.05	6,963.05	6,963.05	118.62	241.36	88.61	-833.35	8,943.60	5,259.22	4,960.13	299.09	17.584		
11,000.00	6,992.08	6,964.08	6,964.08	121.37	241.39	88.64	-833.35	8,943.60	5,167.31	4,866.58	300.73	17.182		
11,100.00	6,993.11	6,965.11	6,965.11	124.12	241.43	88.67	-833.35	8,943.60	5,075.71	4,773.26	302.45	16.782		
11,200.00	6,994.14	6,966.14	6,966.14	126.87	241.47	88.69	-833.35	8,943.60	4,984.43	4,680.18	304.24	16.383		
11,300.00	6,995.17	6,967.17	6,967.17	129.63	241.50	88.72	-833.35	8,943.60	4,893.49	4,587.37	306.12	15.986		
11,400.00	6,996.20	6,968.20	6,968.20	132.39	241.54	88.75	-833.35	8,943.60	4,802.91	4,494.83	308.07	15.590		
11,500.00	6,997.23	6,969.23	6,969.23	135.16	241.57	88.78	-833.35	8,943.60	4,712.71	4,402.59	310.11	15.197		
11,600.00	6,998.26	6,970.26	6,970.26	137.93	241.61	88.81	-833.35	8,943.60	4,622.91	4,310.66	312.25	14.805		
11,700.00	6,999.30	6,971.30	6,971.30	140.70	241.65	88.84	-833.35	8,943.60	4,533.54	4,219.06	314.48	14.416		
11,800.00	7,000.33	6,972.33	6,972.33	143.48	241.68	88.87	-833.35	8,943.60	4,444.62	4,127.82	316.80	14.030		
11,900.00	7,001.36	6,973.36	6,973.36	146.26	241.72	88.90	-833.35	8,943.60	4,356.18	4,036.95	319.23	13.646		
12,000.00	7,002.39	6,974.39	6,974.39	149.04	241.75	88.92	-833.35	8,943.60	4,268.26	3,946.49	321.76	13.265		
12,100.00	7,003.42	6,975.42	6,975.42	151.82	241.79	88.95	-833.35	8,943.60	4,180.87	3,856.46	324.41	12.888		
12,200.00	7,004.45	6,976.45	6,976.45	154.61	241.83	88.98	-833.35	8,943.60	4,094.07	3,766.89	327.17	12.513		
12,300.00	7,005.48	6,977.48	6,977.48	157.40	241.86	89.01	-833.35	8,943.60	4,007.87	3,677.82	330.06	12.143		
12,400.00	7,006.51	6,978.51	6,978.51	160.19	241.90	89.04	-833.35	8,943.60	3,922.34	3,589.27	333.07	11.776		
12,500.00	7,007.54	6,979.54	6,979.54	162.98	241.93	89.07	-833.35	8,943.60	3,837.50	3,501.29	336.21	11.414		
12,600.00	7,008.57	6,980.57	6,980.57	165.78	241.97	89.10	-833.35	8,943.60	3,753.41	3,413.92	339.49	11.056		
12,700.00	7,009.61	6,981.61	6,981.61	168.58	242.01	89.13	-833.35	8,943.60	3,670.11	3,327.20	342.91	10.703		
12,800.00	7,010.64	6,982.64	6,982.64	171.38	242.04	89.15	-833.35	8,943.60	3,587.67	3,241.19	346.48	10.355		
12,900.00	7,011.67	6,983.67	6,983.67	174.18	242.08	89.18	-833.35	8,943.60	3,506.15	3,155.94	350.20	10.012		
13,000.00	7,012.70	6,984.70	6,984.70	176.98	242.11	89.21	-833.35	8,943.60	3,425.60	3,071.51	354.09	9.674		
13,100.00	7,013.73	6,985.73	6,985.73	179.78	242.15	89.24	-833.35	8,943.60	3,346.10	2,987.96	358.13	9.343		
13,200.00	7,014.76	6,986.76	6,986.76	182.59	242.18	89.27	-833.35	8,943.60	3,267.73	2,905.38	362.35	9.018		
13,300.00	7,015.79	6,987.79	6,987.79	185.39	242.22	89.30	-833.35	8,943.60	3,190.56	2,823.82	366.74	8.700		
13,400.00	7,016.82	6,988.82	6,988.82	188.20	242.26	89.33	-833.35	8,943.60	3,114.70	2,743.39	371.31	8.388		
13,500.00	7,017.85	6,989.85	6,989.85	191.01	242.29	89.36	-833.35	8,943.60	3,040.23	2,664.17	376.05	8.085		
13,600.00	7,018.88	7,009.12	6,990.88	193.82	242.97	89.38	-833.35	8,943.60	2,967.26	2,585.64	381.62	7.775		
13,700.00	7,019.91	7,008.09	6,991.91	196.63	242.93	89.41	-833.35	8,943.60	2,895.91	2,509.25	386.66	7.490		
13,800.00	7,020.95	7,007.05	6,992.95	199.44	242.89	89.44	-833.35	8,943.60	2,826.29	2,434.42	391.87	7.212		
13,900.00	7,021.98	7,006.02	6,993.98	202.26	242.86	89.47	-833.35	8,943.60	2,758.54	2,361.28	397.27	6.944		
14,000.00	7,023.01	7,004.99	6,995.01	205.07	242.82	89.50	-833.35	8,943.60	2,692.81	2,289.98	402.83	6.685		
14,100.00	7,024.04	7,003.96	6,996.04	207.89	242.79	89.53	-833.35	8,943.60	2,629.23	2,220.68	408.55	6.436		
14,200.00	7,025.07	7,002.93	6,997.07	210.70	242.75	89.56	-833.35	8,943.60	2,567.97	2,153.56	414.41	6.197		
14,300.00	7,026.10	7,001.90	6,998.10	213.52	242.71	89.59	-833.35	8,943.60	2,509.21	2,088.80	420.40	5.969		
14,400.00	7,027.13	7,000.87	6,999.13	216.34	242.68	89.61	-833.35	8,943.60	2,453.11	2,026.61	426.50	5.752		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
14,500.00	7,028.16	7,000.16	7,000.16	219.16	242.65	89.64	-833.35	8,943.60	2,399.87	1,967.19	432.68	5.547		
14,600.00	7,029.19	7,001.19	7,001.19	221.98	242.69	89.67	-833.35	8,943.60	2,349.68	1,910.72	438.96	5.353		
14,700.00	7,030.22	7,002.22	7,002.22	224.80	242.72	89.70	-833.35	8,943.60	2,302.74	1,857.50	445.24	5.172		
14,800.00	7,031.26	7,003.26	7,003.26	227.62	242.76	89.73	-833.35	8,943.60	2,259.26	1,807.78	451.48	5.004		
14,900.00	7,032.29	7,004.29	7,004.29	230.44	242.80	89.76	-833.35	8,943.60	2,219.43	1,761.81	457.62	4.850		
15,000.00	7,033.32	7,005.32	7,005.32	233.26	242.83	89.79	-833.35	8,943.60	2,183.46	1,719.85	463.61	4.710		
15,100.00	7,034.35	7,006.35	7,006.35	236.09	242.87	89.82	-833.35	8,943.60	2,151.53	1,682.15	469.38	4.584		
15,200.00	7,035.38	7,007.38	7,007.38	238.91	242.90	89.84	-833.35	8,943.60	2,123.84	1,648.97	474.88	4.472		
15,300.00	7,036.41	7,008.41	7,008.41	241.74	242.94	89.87	-833.35	8,943.60	2,100.55	1,620.52	480.03	4.376		
15,400.00	7,037.44	7,009.44	7,009.44	244.56	242.98	89.90	-833.35	8,943.60	2,081.81	1,597.02	484.79	4.294		
15,500.00	7,038.47	7,010.47	7,010.47	247.39	243.01	89.93	-833.35	8,943.60	2,067.74	1,578.65	489.09	4.228		
15,600.00	7,039.50	7,011.50	7,011.50	250.21	243.05	89.96	-833.35	8,943.60	2,058.43	1,565.55	492.88	4.176		
15,700.00	7,040.53	7,012.53	7,012.53	253.04	243.08	89.99	-833.35	8,943.60	2,053.96	1,557.84	496.12	4.140		
15,742.00	7,040.97	7,012.97	7,012.97	254.23	243.10	90.00	-833.35	8,943.60	2,053.53	1,556.22	497.31	4.129 CC		
15,800.00	7,041.57	7,013.57	7,013.57	255.87	243.12	90.02	-833.35	8,943.60	2,054.35	1,555.57	498.78	4.119 ES		
15,900.00	7,042.60	7,014.60	7,014.60	258.70	243.16	90.05	-833.35	8,943.60	2,059.60	1,558.76	500.84	4.112 SF		
16,000.00	7,043.63	7,015.63	7,015.63	261.53	243.19	90.07	-833.35	8,943.60	2,069.67	1,567.37	502.30	4.120		
16,100.00	7,044.66	7,016.66	7,016.66	264.35	243.23	90.10	-833.35	8,943.60	2,084.50	1,581.33	503.17	4.143		
16,200.00	7,045.69	7,017.69	7,017.69	267.18	243.26	90.13	-833.35	8,943.60	2,103.98	1,600.52	503.45	4.179		
16,300.00	7,046.72	7,018.72	7,018.72	270.01	243.30	90.16	-833.35	8,943.60	2,127.98	1,624.79	503.19	4.229		
16,400.00	7,047.75	7,019.75	7,019.75	272.84	243.34	90.19	-833.35	8,943.60	2,156.36	1,653.94	502.43	4.292		
16,500.00	7,048.78	7,020.78	7,020.78	275.67	243.37	90.22	-833.35	8,943.60	2,188.95	1,687.75	501.19	4.367		
16,600.00	7,049.81	7,021.81	7,021.81	278.51	243.41	90.25	-833.35	8,943.60	2,225.55	1,726.01	499.54	4.455		
16,700.00	7,050.84	7,022.84	7,022.84	281.34	243.44	90.28	-833.35	8,943.60	2,265.98	1,768.45	497.53	4.554		
16,800.00	7,051.88	7,023.88	7,023.88	284.17	243.48	90.30	-833.35	8,943.60	2,310.03	1,814.83	495.20	4.665		
16,900.00	7,052.91	7,024.91	7,024.91	287.00	243.52	90.33	-833.35	8,943.60	2,357.50	1,864.89	492.61	4.786		
17,000.00	7,053.94	7,025.94	7,025.94	289.83	243.55	90.36	-833.35	8,943.60	2,408.19	1,918.39	489.80	4.917		
17,100.00	7,054.97	7,026.97	7,026.97	292.67	243.59	90.39	-833.35	8,943.60	2,461.90	1,975.08	486.82	5.057		
17,200.00	7,056.00	7,028.00	7,028.00	295.50	243.62	90.42	-833.35	8,943.60	2,518.44	2,034.73	483.71	5.206		
17,300.00	7,057.03	7,029.03	7,029.03	298.33	243.66	90.45	-833.35	8,943.60	2,577.62	2,097.11	480.50	5.364		
17,400.00	7,058.06	7,030.06	7,030.06	301.17	243.70	90.48	-833.35	8,943.60	2,639.26	2,162.03	477.23	5.530		
17,500.00	7,059.09	7,031.09	7,031.09	304.00	243.73	90.51	-833.35	8,943.60	2,703.19	2,229.27	473.92	5.704		
17,600.00	7,060.12	7,032.12	7,032.12	306.84	243.77	90.53	-833.35	8,943.60	2,769.26	2,298.66	470.60	5.885		
17,685.09	7,061.00	7,033.00	7,033.00	309.25	243.80	90.56	-833.35	8,943.60	2,827.04	2,359.27	467.78	6.044		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,100.00	6,882.16	6,838.16	6,838.16	32.36	237.00	17.96	606.15	10,259.75	9,984.16	9,715.13	269.03	37.112		
7,150.00	6,903.48	6,859.48	6,859.48	32.73	237.74	18.87	606.15	10,259.75	9,939.39	9,669.54	269.85	36.833		
7,200.00	6,921.25	6,877.25	6,877.25	33.15	238.36	20.47	606.15	10,259.75	9,893.04	9,622.51	270.53	36.569		
7,250.00	6,935.36	6,908.64	6,891.36	33.61	239.46	23.26	606.15	10,259.75	9,845.38	9,573.70	271.68	36.239		
7,300.00	6,945.72	6,901.72	6,901.72	34.11	239.22	28.52	606.15	10,259.75	9,796.71	9,525.24	271.47	36.087		
7,350.00	6,952.26	6,908.26	6,908.26	34.65	239.44	40.49	606.15	10,259.75	9,747.34	9,475.60	271.73	35.871		
7,403.14	6,955.00	6,911.00	6,911.00	35.26	239.54	81.03	606.15	10,259.75	9,694.42	9,422.57	271.85	35.661		
7,500.00	6,955.99	6,911.99	6,911.99	36.49	239.58	81.12	606.15	10,259.75	9,597.77	9,325.85	271.92	35.297		
7,600.00	6,957.03	6,913.03	6,913.03	37.93	239.61	81.21	606.15	10,259.75	9,498.00	9,226.00	271.99	34.920		
7,700.00	6,958.06	6,914.06	6,914.06	39.52	239.65	81.30	606.15	10,259.75	9,398.23	9,126.16	272.07	34.544		
7,800.00	6,959.09	6,915.09	6,915.09	41.25	239.68	81.39	606.15	10,259.75	9,298.46	9,026.31	272.15	34.167		
7,900.00	6,960.12	6,916.12	6,916.12	43.09	239.72	81.48	606.15	10,259.75	9,198.70	8,926.47	272.23	33.790		
8,000.00	6,961.15	6,917.15	6,917.15	45.04	239.76	81.58	606.15	10,259.75	9,098.94	8,826.63	272.31	33.413		
8,100.00	6,962.18	6,918.18	6,918.18	47.08	239.79	81.67	606.15	10,259.75	8,999.19	8,726.79	272.40	33.036		
8,200.00	6,963.21	6,919.21	6,919.21	49.20	239.83	81.76	606.15	10,259.75	8,899.45	8,626.95	272.50	32.659		
8,300.00	6,964.24	6,920.24	6,920.24	51.39	239.86	81.85	606.15	10,259.75	8,799.71	8,527.12	272.59	32.282		
8,400.00	6,965.27	6,921.27	6,921.27	53.64	239.90	81.94	606.15	10,259.75	8,699.97	8,427.28	272.69	31.904		
8,500.00	6,966.30	6,922.30	6,922.30	55.95	239.94	82.03	606.15	10,259.75	8,600.25	8,327.45	272.79	31.526		
8,600.00	6,967.33	6,923.33	6,923.33	58.30	239.97	82.13	606.15	10,259.75	8,500.52	8,227.62	272.90	31.149		
8,700.00	6,968.37	6,924.37	6,924.37	60.70	240.01	82.22	606.15	10,259.75	8,400.81	8,127.80	273.01	30.771		
8,800.00	6,969.40	6,925.40	6,925.40	63.14	240.04	82.31	606.15	10,259.75	8,301.10	8,027.97	273.13	30.393		
8,900.00	6,970.43	6,926.43	6,926.43	65.60	240.08	82.40	606.15	10,259.75	8,201.40	7,928.15	273.25	30.014		
9,000.00	6,971.46	6,927.46	6,927.46	68.10	240.11	82.49	606.15	10,259.75	8,101.71	7,828.33	273.37	29.636		
9,100.00	6,972.49	6,928.49	6,928.49	70.63	240.15	82.58	606.15	10,259.75	8,002.02	7,728.52	273.50	29.258		
9,200.00	6,973.52	6,929.52	6,929.52	73.18	240.19	82.68	606.15	10,259.75	7,902.34	7,628.70	273.64	28.879		
9,300.00	6,974.55	6,930.55	6,930.55	75.75	240.22	82.77	606.15	10,259.75	7,802.67	7,528.89	273.78	28.500		
9,400.00	6,975.58	6,931.58	6,931.58	78.34	240.26	82.86	606.15	10,259.75	7,703.01	7,429.09	273.92	28.121		
9,500.00	6,976.61	6,932.61	6,932.61	80.94	240.29	82.95	606.15	10,259.75	7,603.36	7,329.28	274.07	27.742		
9,600.00	6,977.64	6,933.64	6,933.64	83.56	240.33	83.04	606.15	10,259.75	7,503.71	7,229.48	274.23	27.363		
9,700.00	6,978.68	6,934.68	6,934.68	86.20	240.37	83.14	606.15	10,259.75	7,404.08	7,129.68	274.39	26.984		
9,800.00	6,979.71	6,935.71	6,935.71	88.85	240.40	83.23	606.15	10,259.75	7,304.45	7,029.89	274.56	26.604		
9,900.00	6,980.74	6,936.74	6,936.74	91.51	240.44	83.32	606.15	10,259.75	7,204.84	6,930.10	274.74	26.224		
10,000.00	6,981.77	6,937.77	6,937.77	94.19	240.47	83.41	606.15	10,259.75	7,105.23	6,830.31	274.92	25.845		
10,100.00	6,982.80	6,938.80	6,938.80	96.87	240.51	83.51	606.15	10,259.75	7,005.64	6,730.53	275.11	25.465		
10,200.00	6,983.83	6,939.83	6,939.83	99.56	240.55	83.60	606.15	10,259.75	6,906.06	6,630.75	275.31	25.085		
10,300.00	6,984.86	6,940.86	6,940.86	102.27	240.58	83.69	606.15	10,259.75	6,806.49	6,530.97	275.52	24.704		
10,400.00	6,985.89	6,941.89	6,941.89	104.98	240.62	83.78	606.15	10,259.75	6,706.93	6,431.20	275.73	24.324		
10,500.00	6,986.92	6,942.92	6,942.92	107.69	240.65	83.87	606.15	10,259.75	6,607.39	6,331.43	275.96	23.943		
10,600.00	6,987.95	6,943.95	6,943.95	110.41	240.69	83.97	606.15	10,259.75	6,507.86	6,231.67	276.19	23.563		
10,700.00	6,988.99	6,944.99	6,944.99	113.14	240.73	84.06	606.15	10,259.75	6,408.35	6,131.91	276.44	23.182		
10,800.00	6,990.02	6,946.02	6,946.02	115.88	240.76	84.15	606.15	10,259.75	6,308.85	6,032.16	276.69	22.801		
10,900.00	6,991.05	6,947.05	6,947.05	118.62	240.80	84.24	606.15	10,259.75	6,209.36	5,932.41	276.96	22.420		
11,000.00	6,992.08	6,948.08	6,948.08	121.37	240.83	84.34	606.15	10,259.75	6,109.90	5,832.66	277.24	22.039		
11,100.00	6,993.11	6,949.11	6,949.11	124.12	240.87	84.43	606.15	10,259.75	6,010.45	5,732.92	277.53	21.657		
11,200.00	6,994.14	6,950.14	6,950.14	126.87	240.91	84.52	606.15	10,259.75	5,911.01	5,633.18	277.83	21.276		
11,300.00	6,995.17	6,951.17	6,951.17	129.63	240.94	84.62	606.15	10,259.75	5,811.60	5,533.45	278.15	20.894		
11,400.00	6,996.20	6,952.20	6,952.20	132.39	240.98	84.71	606.15	10,259.75	5,712.21	5,433.73	278.48	20.512		
11,500.00	6,997.23	6,953.23	6,953.23	135.16	241.01	84.80	606.15	10,259.75	5,612.84	5,334.01	278.83	20.130		
11,600.00	6,998.26	6,954.26	6,954.26	137.93	241.05	84.89	606.15	10,259.75	5,513.49	5,234.30	279.20	19.748		
11,700.00	6,999.30	6,955.30	6,955.30	140.70	241.09	84.99	606.15	10,259.75	5,414.17	5,134.59	279.58	19.365		
11,800.00	7,000.33	6,956.33	6,956.33	143.48	241.12	85.08	606.15	10,259.75	5,314.87	5,034.89	279.98	18.983		
11,900.00	7,001.36	6,957.36	6,957.36	146.26	241.16	85.17	606.15	10,259.75	5,215.60	4,935.19	280.41	18.600		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
12,000.00	7,002.39	6,958.39	6,958.39	149.04	241.19	85.26	606.15	10,259.75	5,116.36	4,835.50	280.85	18.217		
12,100.00	7,003.42	6,959.42	6,959.42	151.82	241.23	85.36	606.15	10,259.75	5,017.14	4,735.82	281.32	17.834		
12,200.00	7,004.45	6,960.45	6,960.45	154.61	241.27	85.45	606.15	10,259.75	4,917.96	4,636.15	281.81	17.451		
12,300.00	7,005.48	6,961.48	6,961.48	157.40	241.30	85.54	606.15	10,259.75	4,818.81	4,536.48	282.33	17.068		
12,400.00	7,006.51	6,962.51	6,962.51	160.19	241.34	85.64	606.15	10,259.75	4,719.70	4,436.82	282.88	16.685		
12,500.00	7,007.54	6,963.54	6,963.54	162.98	241.37	85.73	606.15	10,259.75	4,620.62	4,337.17	283.46	16.301		
12,600.00	7,008.57	6,964.57	6,964.57	165.78	241.41	85.82	606.15	10,259.75	4,521.59	4,237.52	284.07	15.917		
12,700.00	7,009.61	6,965.61	6,965.61	168.58	241.45	85.91	606.15	10,259.75	4,422.60	4,137.89	284.71	15.534		
12,800.00	7,010.64	6,966.64	6,966.64	171.38	241.48	86.01	606.15	10,259.75	4,323.65	4,038.26	285.39	15.150		
12,900.00	7,011.67	6,967.67	6,967.67	174.18	241.52	86.10	606.15	10,259.75	4,224.76	3,938.64	286.12	14.766		
13,000.00	7,012.70	6,968.70	6,968.70	176.98	241.55	86.19	606.15	10,259.75	4,125.91	3,839.03	286.88	14.382		
13,100.00	7,013.73	6,969.73	6,969.73	179.78	241.59	86.29	606.15	10,259.75	4,027.13	3,739.43	287.70	13.998		
13,200.00	7,014.76	6,970.76	6,970.76	182.59	241.63	86.38	606.15	10,259.75	3,928.40	3,639.84	288.56	13.614		
13,300.00	7,015.79	6,971.79	6,971.79	185.39	241.66	86.47	606.15	10,259.75	3,829.74	3,540.26	289.48	13.230		
13,400.00	7,016.82	6,972.82	6,972.82	188.20	241.70	86.57	606.15	10,259.75	3,731.15	3,440.70	290.46	12.846		
13,500.00	7,017.85	6,973.85	6,973.85	191.01	241.73	86.66	606.15	10,259.75	3,632.64	3,341.14	291.50	12.462		
13,600.00	7,018.88	6,974.88	6,974.88	193.82	241.77	86.75	606.15	10,259.75	3,534.22	3,241.60	292.62	12.078		
13,700.00	7,019.91	6,975.91	6,975.91	196.63	241.81	86.85	606.15	10,259.75	3,435.88	3,142.07	293.81	11.694		
13,800.00	7,020.95	6,976.95	6,976.95	199.44	241.84	86.94	606.15	10,259.75	3,337.64	3,042.56	295.08	11.311		
13,900.00	7,021.98	6,977.98	6,977.98	202.26	241.88	87.03	606.15	10,259.75	3,239.51	2,943.06	296.45	10.928		
14,000.00	7,023.01	6,979.01	6,979.01	205.07	241.91	87.13	606.15	10,259.75	3,141.50	2,843.58	297.91	10.545		
14,100.00	7,024.04	6,980.04	6,980.04	207.89	241.95	87.22	606.15	10,259.75	3,043.61	2,744.12	299.49	10.163		
14,200.00	7,025.07	6,981.07	6,981.07	210.70	241.99	87.31	606.15	10,259.75	2,945.87	2,644.69	301.18	9.781		
14,300.00	7,026.10	6,982.10	6,982.10	213.52	242.02	87.41	606.15	10,259.75	2,848.28	2,545.27	303.01	9.400		
14,400.00	7,027.13	6,983.13	6,983.13	216.34	242.06	87.50	606.15	10,259.75	2,750.87	2,445.88	304.99	9.020		
14,500.00	7,028.16	6,984.16	6,984.16	219.16	242.09	87.59	606.15	10,259.75	2,653.65	2,346.52	307.12	8.640		
14,600.00	7,029.19	6,985.19	6,985.19	221.98	242.13	87.69	606.15	10,259.75	2,556.64	2,247.19	309.44	8.262		
14,700.00	7,030.22	6,986.22	6,986.22	224.80	242.17	87.78	606.15	10,259.75	2,459.87	2,147.91	311.96	7.885		
14,800.00	7,031.26	6,987.26	6,987.26	227.62	242.20	87.87	606.15	10,259.75	2,363.37	2,048.66	314.71	7.510		
14,900.00	7,032.29	6,988.29	6,988.29	230.44	242.24	87.97	606.15	10,259.75	2,267.17	1,949.46	317.71	7.136		
15,000.00	7,033.32	6,989.32	6,989.32	233.26	242.27	88.06	606.15	10,259.75	2,171.32	1,850.33	320.99	6.764		
15,100.00	7,034.35	6,990.35	6,990.35	236.09	242.98	88.15	606.15	10,259.75	2,075.86	1,750.59	325.26	6.382		
15,200.00	7,035.38	6,991.38	6,991.38	238.91	242.95	88.25	606.15	10,259.75	1,980.84	1,651.69	329.15	6.018		
15,300.00	7,036.41	6,992.41	6,992.41	241.74	242.91	88.34	606.15	10,259.75	1,886.34	1,552.88	333.46	5.657		
15,400.00	7,037.44	6,993.44	6,993.44	244.56	242.88	88.43	606.15	10,259.75	1,792.43	1,454.21	338.23	5.300		
15,500.00	7,038.47	6,994.47	6,994.47	247.39	242.84	88.53	606.15	10,259.75	1,699.22	1,355.69	343.53	4.946		
15,600.00	7,039.50	6,995.50	6,995.50	250.21	242.80	88.62	606.15	10,259.75	1,606.83	1,257.38	349.45	4.598		
15,700.00	7,040.53	6,996.53	6,996.53	253.04	242.77	88.71	606.15	10,259.75	1,515.40	1,159.32	356.08	4.256		
15,800.00	7,041.57	6,997.57	6,997.57	255.87	242.73	88.81	606.15	10,259.75	1,425.12	1,061.61	363.51	3.920		
15,900.00	7,042.60	6,998.60	6,998.60	258.70	242.70	88.90	606.15	10,259.75	1,336.23	964.34	371.89	3.593		
16,000.00	7,043.63	6,999.63	6,999.63	261.53	242.66	88.99	606.15	10,259.75	1,249.02	867.68	381.34	3.275		
16,100.00	7,044.66	7,000.66	7,000.66	264.35	242.67	89.09	606.15	10,259.75	1,163.86	771.80	392.06	2.969		
16,200.00	7,045.69	7,001.69	7,001.69	267.18	242.71	89.18	606.15	10,259.75	1,081.25	677.05	404.20	2.675		
16,300.00	7,046.72	7,002.72	7,002.72	270.01	242.74	89.27	606.15	10,259.75	1,001.81	583.95	417.86	2.397		
16,400.00	7,047.75	7,003.75	7,003.75	272.84	242.78	89.37	606.15	10,259.75	926.36	493.24	433.13	2.139		
16,500.00	7,048.78	7,004.78	7,004.78	275.67	242.81	89.46	606.15	10,259.75	855.96	406.00	449.96	1.902		
16,600.00	7,049.81	7,005.81	7,005.81	278.51	242.85	89.55	606.15	10,259.75	791.95	323.87	468.08	1.692		
16,700.00	7,050.84	7,006.84	7,006.84	281.34	242.89	89.65	606.15	10,259.75	736.01	249.23	486.78	1.512		
16,800.00	7,051.88	7,007.88	7,007.88	284.17	242.92	89.74	606.15	10,259.75	690.09	185.28	504.81	1.367 Level 3		
16,900.00	7,052.91	7,008.91	7,008.91	287.00	242.96	89.83	606.15	10,259.75	656.31	136.01	520.30	1.261 Level 3		
17,000.00	7,053.94	7,009.94	7,009.94	289.83	242.99	89.93	606.15	10,259.75	636.59	105.51	531.08	1.199 Level 2		
17,077.46	7,054.74	7,010.74	7,010.74	292.03	243.02	90.00	606.15	10,259.75	631.86	96.83	535.03	1.181 Level 2, CC, ES		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - KELLY #2-3 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
17,100.00	7,054.97	7,010.97	7,010.97	292.67	243.03	90.02	606.15	10,259.75	632.26	96.88	535.38	1.181	Level 2, SF
17,200.00	7,056.00	7,012.00	7,012.00	295.50	243.07	90.11	606.15	10,259.75	643.63	111.01	532.63	1.208	Level 2
17,300.00	7,057.03	7,013.03	7,013.03	298.33	243.10	90.21	606.15	10,259.75	669.90	146.20	523.70	1.279	Level 3
17,400.00	7,058.06	7,014.06	7,014.06	301.17	243.14	90.30	606.15	10,259.75	709.42	198.94	510.47	1.390	Level 3
17,500.00	7,059.09	7,015.09	7,015.09	304.00	243.17	90.39	606.15	10,259.75	760.11	265.13	494.99	1.536	
17,600.00	7,060.12	7,016.12	7,016.12	306.84	243.21	90.49	606.15	10,259.75	819.92	341.04	478.88	1.712	
17,685.09	7,061.00	7,017.00	7,017.00	309.25	243.24	90.57	606.15	10,259.75	876.60	411.08	465.51	1.883	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	98.06	-746.61	5,274.50	5,327.13					
100.00	100.00	95.28	95.28	3.28	3.29	98.06	-746.82	5,274.30	5,326.94	5,320.37	6.57	810.622		
200.00	200.00	231.14	231.14	3.34	3.34	98.07	-747.46	5,273.23	5,326.22	5,319.54	6.68	797.310		
300.00	299.98	313.90	313.88	3.45	3.43	101.00	-747.86	5,272.48	5,325.72	5,318.84	6.88	774.562		
302.98	302.96	316.49	316.48	3.45	3.43	101.00	-747.87	5,272.46	5,325.72	5,318.84	6.88	773.734		
400.00	399.84	444.71	444.69	3.61	3.64	101.08	-748.47	5,271.31	5,325.95	5,318.70	7.24	735.195		
500.00	499.45	560.03	560.00	3.82	3.89	101.18	-748.67	5,269.60	5,326.19	5,318.49	7.69	692.285		
600.00	598.70	626.46	626.42	4.07	4.05	101.25	-748.96	5,268.77	5,327.37	5,319.26	8.10	657.642		
680.00	677.76	693.27	693.23	4.29	4.23	101.33	-749.45	5,268.15	5,329.13	5,320.63	8.50	626.887		
700.00	697.48	710.61	710.57	4.35	4.28	101.36	-749.58	5,268.01	5,329.65	5,321.04	8.61	619.148		
800.00	796.08	791.32	791.27	4.66	4.51	101.51	-750.05	5,267.51	5,332.47	5,323.32	9.15	582.508		
900.00	894.68	889.58	889.53	4.98	4.81	101.68	-749.57	5,267.33	5,335.61	5,325.82	9.79	545.069		
1,000.00	993.28	977.23	977.13	5.34	5.09	101.80	-746.90	5,267.47	5,338.75	5,328.33	10.42	512.476		
1,100.00	1,091.88	1,121.96	1,121.57	5.71	5.56	101.96	-737.85	5,268.44	5,341.99	5,330.72	11.27	474.187		
1,200.00	1,190.48	1,538.44	1,535.97	6.10	7.13	102.31	-699.84	5,257.02	5,340.67	5,327.45	13.22	404.133		
1,300.00	1,289.07	1,300.00	1,647.04	6.49	6.20	102.45	-693.36	5,250.11	5,337.14	5,324.45	12.69	420.563		
1,400.00	1,387.67	1,707.90	1,704.81	6.90	7.82	102.52	-689.93	5,246.55	5,333.80	5,319.11	14.69	363.039		
1,500.00	1,486.27	1,753.00	1,749.81	7.31	8.00	102.58	-687.95	5,244.22	5,331.55	5,316.26	15.29	348.733		
1,600.00	1,584.87	1,802.40	1,799.12	7.73	8.20	102.65	-685.85	5,242.15	5,330.29	5,314.39	15.91	335.063		
1,700.00	1,683.47	1,868.64	1,865.22	8.16	8.48	102.73	-682.15	5,240.08	5,329.90	5,313.30	16.60	321.027		
1,800.00	1,782.07	1,964.87	1,961.28	8.59	8.88	102.85	-677.32	5,237.09	5,329.67	5,312.25	17.43	305.846		
1,815.06	1,796.92	1,975.47	1,971.87	8.66	8.92	102.87	-676.86	5,236.76	5,329.67	5,312.13	17.53	303.954		
1,900.00	1,880.67	2,040.30	2,036.62	9.02	9.19	102.96	-674.34	5,234.91	5,329.87	5,311.70	18.17	293.354		
2,000.00	1,979.27	2,121.00	2,117.24	9.46	9.52	103.08	-671.59	5,232.50	5,330.17	5,311.23	18.94	281.468		
2,100.00	2,077.87	2,185.71	2,181.90	9.90	9.79	103.18	-670.03	5,230.78	5,331.05	5,311.40	19.64	271.424		
2,200.00	2,176.47	2,246.29	2,242.47	10.35	10.04	103.28	-669.33	5,229.74	5,332.93	5,312.60	20.33	262.320		
2,300.00	2,275.07	2,340.06	2,336.23	10.79	10.43	103.43	-667.82	5,228.57	5,335.29	5,314.13	21.16	252.149		
2,400.00	2,373.67	2,400.00	2,474.32	11.24	10.68	103.64	-665.29	5,226.14	5,337.11	5,315.25	21.85	244.210		
2,500.00	2,472.27	2,582.00	2,578.07	11.69	11.44	103.81	-663.38	5,223.68	5,338.41	5,315.35	23.06	231.490		
2,600.00	2,570.87	2,632.31	2,628.38	12.14	11.64	103.90	-663.13	5,222.66	5,340.41	5,316.69	23.71	225.216		
2,700.00	2,669.47	2,674.00	2,670.05	12.59	11.81	103.97	-663.55	5,222.14	5,343.47	5,319.14	24.33	219.650		
2,800.00	2,768.07	2,709.32	2,705.37	13.04	11.95	104.04	-664.08	5,222.07	5,347.69	5,322.79	24.91	214.697		
2,900.00	2,866.67	2,766.00	2,762.04	13.50	12.17	104.14	-664.62	5,222.99	5,353.31	5,327.74	25.57	209.321		
3,000.00	2,965.27	2,808.07	2,804.09	13.95	12.33	104.22	-664.87	5,224.09	5,359.80	5,333.62	26.18	204.744		
3,100.00	3,063.87	2,924.27	2,920.26	14.41	12.79	104.42	-665.52	5,226.74	5,366.34	5,339.25	27.09	198.090		
3,200.00	3,162.47	3,070.60	3,066.57	14.87	13.36	104.68	-666.66	5,229.26	5,372.48	5,344.34	28.13	190.964		
3,300.00	3,261.07	3,183.79	3,179.74	15.32	13.81	104.88	-667.61	5,230.38	5,377.94	5,348.90	29.04	185.175		
3,400.00	3,359.67	3,301.59	3,297.54	15.78	14.28	105.09	-668.51	5,231.35	5,383.29	5,353.32	29.98	179.593		
3,500.00	3,458.27	3,387.98	3,383.93	16.24	14.63	105.23	-668.32	5,232.11	5,388.54	5,357.76	30.78	175.063		
3,600.00	3,556.87	3,491.91	3,487.83	16.70	15.06	105.39	-666.74	5,233.48	5,393.97	5,362.30	31.67	170.321		
3,700.00	3,655.47	3,645.53	3,641.41	17.16	15.71	105.62	-663.08	5,234.41	5,398.40	5,365.61	32.78	164.662		
3,800.00	3,754.06	3,787.38	3,783.24	17.62	16.30	105.84	-661.71	5,233.95	5,402.45	5,368.61	33.85	159.618		
3,900.00	3,852.66	3,844.00	3,839.86	18.08	16.54	105.94	-661.68	5,233.33	5,406.20	5,371.67	34.54	156.533		
4,000.00	3,951.26	3,897.38	3,893.24	18.54	16.76	106.04	-661.99	5,233.10	5,410.82	5,375.61	35.21	153.683		
4,100.00	4,049.86	3,933.00	3,928.85	19.01	16.91	106.10	-662.61	5,233.41	5,416.75	5,380.95	35.80	151.317		
4,200.00	4,148.46	4,029.10	4,024.91	19.47	17.30	106.28	-664.74	5,234.75	5,423.36	5,386.71	36.65	147.994		
4,300.00	4,247.06	4,100.98	4,096.77	19.93	17.59	106.42	-666.25	5,235.95	5,430.25	5,392.86	37.39	145.236		
4,400.00	4,345.66	4,333.04	4,328.77	20.39	18.54	106.83	-668.86	5,239.31	5,437.52	5,398.67	38.84	139.984		
4,500.00	4,444.26	4,454.70	4,450.42	20.86	19.05	107.04	-669.29	5,238.89	5,442.21	5,402.39	39.82	136.673		
4,600.00	4,542.86	4,561.49	4,557.22	21.32	19.50	107.22	-669.43	5,238.16	5,446.54	5,405.81	40.73	133.713		
4,700.00	4,641.46	4,700.43	4,696.15	21.78	20.09	107.45	-668.98	5,236.72	5,450.46	5,408.67	41.79	130.424		
4,800.00	4,740.06	4,777.48	4,773.19	22.25	20.42	107.58	-668.72	5,235.68	5,454.18	5,411.60	42.58	128.102		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,838.66	4,841.39	4,837.10	22.71	20.69	107.69	-668.78	5,235.24	5,458.63	5,415.32	43.30	126.054		
5,000.00	4,937.26	4,936.38	4,932.09	23.18	21.09	107.85	-668.87	5,234.87	5,463.42	5,419.26	44.17	123.696		
5,100.00	5,035.86	5,034.08	5,029.79	23.64	21.51	108.02	-669.26	5,234.44	5,468.30	5,423.26	45.04	121.400		
5,200.00	5,134.46	5,148.36	5,144.06	24.11	21.99	108.22	-669.93	5,233.82	5,473.19	5,427.20	45.99	119.002		
5,300.00	5,233.06	5,249.41	5,245.10	24.57	22.42	108.40	-670.96	5,232.79	5,477.78	5,430.90	46.88	116.840		
5,400.00	5,331.66	5,347.49	5,343.16	25.04	22.83	108.58	-672.38	5,231.76	5,482.52	5,434.76	47.76	114.794		
5,500.00	5,430.26	5,472.49	5,468.16	25.50	23.36	108.79	-672.37	5,230.65	5,487.06	5,438.30	48.76	112.537		
5,600.00	5,528.86	5,572.11	5,567.76	25.97	23.78	108.96	-672.76	5,229.28	5,491.30	5,441.66	49.64	110.612		
5,700.00	5,627.46	5,627.00	5,622.63	26.43	24.02	109.06	-674.04	5,228.34	5,495.92	5,445.59	50.33	109.195		
5,800.00	5,726.06	5,692.13	5,687.73	26.90	24.29	109.19	-675.65	5,227.67	5,501.26	5,450.20	51.06	107.745		
5,900.00	5,824.66	5,781.49	5,777.08	27.36	24.66	109.35	-677.16	5,227.74	5,507.37	5,455.48	51.89	106.130		
6,000.00	5,923.26	5,886.00	5,881.56	27.83	25.10	109.54	-679.33	5,227.47	5,513.35	5,460.55	52.80	104.425		
6,100.00	6,021.86	5,966.14	5,961.70	28.30	25.44	109.68	-680.33	5,227.57	5,519.51	5,465.92	53.59	102.996		
6,200.00	6,120.46	6,105.74	6,101.29	28.76	26.03	109.91	-680.37	5,227.95	5,525.49	5,470.83	54.65	101.098		
6,300.00	6,219.06	6,200.38	6,195.92	29.23	26.43	110.08	-681.84	5,227.51	5,531.28	5,475.76	55.52	99.631		
6,405.66	6,323.24	6,253.00	6,248.54	29.72	26.65	110.17	-682.02	5,227.42	5,537.64	5,481.43	56.21	98.517		
6,450.00	6,366.93	6,288.30	6,283.84	29.93	26.80	87.51	-681.91	5,227.63	5,539.02	5,482.46	56.56	97.935		
6,500.00	6,415.96	6,305.26	6,300.79	30.15	26.87	68.18	-681.86	5,227.89	5,537.46	5,480.62	56.84	97.421		
6,550.00	6,464.44	6,342.00	6,337.53	30.37	27.02	56.01	-681.78	5,228.80	5,532.59	5,475.38	57.21	96.709		
6,600.00	6,512.08	6,342.00	6,337.53	30.58	27.02	48.39	-681.78	5,228.80	5,524.11	5,466.71	57.39	96.250		
6,650.00	6,558.58	6,342.00	6,337.53	30.78	27.02	43.52	-681.78	5,228.80	5,512.41	5,454.85	57.57	95.758		
6,700.00	6,603.65	6,342.00	6,337.53	30.97	27.02	40.33	-681.78	5,228.80	5,497.56	5,439.83	57.73	95.234		
6,750.00	6,647.02	6,373.94	6,369.43	31.15	27.16	38.38	-681.54	5,230.15	5,479.25	5,421.21	58.04	94.411		
6,800.00	6,688.42	6,384.76	6,380.23	31.31	27.20	37.17	-681.38	5,230.77	5,458.00	5,399.76	58.23	93.728		
6,850.00	6,727.59	6,395.17	6,390.62	31.46	27.24	36.59	-681.20	5,231.44	5,433.76	5,375.34	58.42	93.015		
6,900.00	6,764.29	6,431.00	6,426.33	31.60	27.39	36.07	-680.27	5,234.30	5,406.90	5,348.17	58.73	92.069		
6,950.00	6,798.30	6,431.00	6,426.33	31.73	27.39	37.07	-680.27	5,234.30	5,376.93	5,318.08	58.85	91.370		
7,000.00	6,829.41	6,431.00	6,426.33	31.84	27.39	37.95	-680.27	5,234.30	5,344.45	5,285.48	58.96	90.639		
7,050.00	6,857.42	6,431.00	6,426.33	32.03	27.39	39.32	-680.27	5,234.30	5,309.61	5,250.54	59.08	89.876		
7,100.00	6,882.16	6,431.00	6,426.33	32.36	27.39	41.25	-680.27	5,234.30	5,272.60	5,213.41	59.19	89.081		
7,150.00	6,903.48	6,431.00	6,426.33	32.73	27.39	43.82	-680.27	5,234.30	5,233.59	5,174.29	59.30	88.254		
7,200.00	6,921.25	6,431.00	6,426.33	33.15	27.39	47.18	-680.27	5,234.30	5,192.78	5,133.37	59.42	87.397		
7,250.00	6,935.36	6,431.00	6,426.33	33.61	27.39	51.52	-680.27	5,234.30	5,150.39	5,090.85	59.53	86.511		
7,300.00	6,945.72	6,431.00	6,426.33	34.11	27.39	57.06	-680.27	5,234.30	5,106.63	5,046.97	59.66	85.599		
7,350.00	6,952.26	6,431.00	6,426.33	34.65	27.39	64.06	-680.27	5,234.30	5,061.75	5,001.97	59.79	84.664		
7,403.14	6,955.00	6,431.00	6,426.33	35.26	27.39	73.35	-680.27	5,234.30	5,013.11	4,953.18	59.93	83.648		
7,500.00	6,955.99	6,464.34	6,459.48	36.49	27.53	74.29	-679.34	5,237.71	4,923.39	4,862.98	60.40	81.507		
7,600.00	6,957.03	6,467.29	6,462.41	37.93	27.54	74.37	-679.27	5,238.05	4,831.47	4,770.70	60.77	79.505		
7,700.00	6,958.06	6,470.32	6,465.42	39.52	27.55	74.46	-679.20	5,238.39	4,739.87	4,678.68	61.19	77.462		
7,800.00	6,959.09	6,473.44	6,468.52	41.25	27.57	74.55	-679.14	5,238.76	4,648.62	4,586.95	61.67	75.380		
7,900.00	6,960.12	6,476.66	6,471.71	43.09	27.58	74.64	-679.07	5,239.14	4,557.72	4,495.50	62.21	73.262		
8,000.00	6,961.15	6,479.97	6,474.99	45.04	27.59	74.73	-679.00	5,239.54	4,467.19	4,404.37	62.82	71.109		
8,100.00	6,962.18	6,483.38	6,478.38	47.08	27.61	74.83	-678.94	5,239.96	4,377.08	4,313.57	63.50	68.927		
8,200.00	6,963.21	6,486.91	6,481.88	49.20	27.62	74.93	-678.87	5,240.40	4,287.38	4,223.12	64.26	66.718		
8,300.00	6,964.24	6,520.00	6,514.66	51.39	27.76	75.88	-678.42	5,244.90	4,198.53	4,133.26	65.27	64.325		
8,400.00	6,965.27	6,520.00	6,514.66	53.64	27.76	75.88	-678.42	5,244.90	4,109.69	4,043.52	66.17	62.106		
8,500.00	6,966.30	6,520.00	6,514.66	55.95	27.76	75.88	-678.42	5,244.90	4,021.37	3,954.21	67.16	59.875		
8,600.00	6,967.33	6,520.00	6,514.66	58.30	27.76	75.88	-678.42	5,244.90	3,933.61	3,865.36	68.24	57.640		
8,700.00	6,968.37	6,520.00	6,514.66	60.70	27.76	75.88	-678.42	5,244.90	3,846.44	3,777.02	69.42	55.405		
8,800.00	6,969.40	6,520.00	6,514.66	63.14	27.76	75.88	-678.42	5,244.90	3,759.92	3,689.21	70.70	53.178		
8,900.00	6,970.43	6,520.00	6,514.66	65.60	27.76	75.88	-678.42	5,244.90	3,674.07	3,601.98	72.09	50.964		
9,000.00	6,971.46	6,520.00	6,514.66	68.10	27.76	75.88	-678.42	5,244.90	3,588.97	3,515.38	73.59	48.770		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	6,972.49	6,520.00	6,514.66	70.63	27.76	75.88	-678.42	5,244.90	3,504.64	3,429.44	75.20	46.602		
9,200.00	6,973.52	6,520.00	6,514.66	73.18	27.76	75.88	-678.42	5,244.90	3,421.17	3,344.23	76.94	44.466		
9,300.00	6,974.55	6,520.00	6,514.66	75.75	27.76	75.88	-678.42	5,244.90	3,338.60	3,259.80	78.80	42.369		
9,400.00	6,975.58	6,520.00	6,514.66	78.34	27.76	75.88	-678.42	5,244.90	3,257.01	3,176.22	80.79	40.315		
9,500.00	6,976.61	6,520.00	6,514.66	80.94	27.76	75.88	-678.42	5,244.90	3,176.47	3,093.56	82.91	38.311		
9,600.00	6,977.64	6,520.00	6,514.66	83.56	27.76	75.88	-678.42	5,244.90	3,097.07	3,011.89	85.18	36.360		
9,700.00	6,978.68	6,520.00	6,514.66	86.20	27.76	75.88	-678.42	5,244.90	3,018.89	2,931.30	87.59	34.468		
9,800.00	6,979.71	6,520.00	6,514.66	88.85	27.76	75.88	-678.42	5,244.90	2,941.34	2,850.96	90.38	32.545		
9,900.00	6,980.74	6,520.00	6,514.66	91.51	27.76	75.88	-678.42	5,244.90	2,865.68	2,772.55	93.13	30.771		
10,000.00	6,981.77	6,520.00	6,514.66	94.19	27.76	75.88	-678.42	5,244.90	2,791.52	2,695.47	96.04	29.065		
10,100.00	6,982.80	6,520.00	6,514.66	96.87	27.76	75.88	-678.42	5,244.90	2,718.96	2,619.85	99.12	27.432		
10,200.00	6,983.83	6,520.00	6,514.66	99.56	27.76	75.88	-678.42	5,244.90	2,648.16	2,545.80	102.36	25.872		
10,300.00	6,984.86	6,520.00	6,514.66	102.27	27.76	75.88	-678.42	5,244.90	2,579.24	2,473.47	105.76	24.387		
10,400.00	6,985.89	6,520.00	6,514.66	104.98	27.76	75.88	-678.42	5,244.90	2,512.65	2,403.15	109.50	22.947		
10,500.00	6,986.92	6,520.00	6,514.66	107.69	27.76	75.88	-678.42	5,244.90	2,447.79	2,334.61	113.18	21.627		
10,600.00	6,987.95	6,520.00	6,514.66	110.41	27.76	75.88	-678.42	5,244.90	2,385.35	2,268.34	117.01	20.385		
10,700.00	6,988.99	6,520.00	6,514.66	113.14	27.76	75.88	-678.42	5,244.90	2,325.55	2,204.56	120.99	19.222		
10,800.00	6,990.02	6,520.00	6,514.66	115.88	27.76	75.88	-678.42	5,244.90	2,268.45	2,143.21	125.25	18.112		
10,900.00	6,991.05	6,520.00	6,514.66	118.62	27.76	75.88	-678.42	5,244.90	2,214.20	2,084.57	129.63	17.081		
11,000.00	6,992.08	6,520.00	6,514.66	121.37	27.76	75.88	-678.42	5,244.90	2,162.94	2,028.82	134.12	16.127		
11,100.00	6,993.11	6,520.00	6,514.66	124.12	27.76	75.88	-678.42	5,244.90	2,114.85	1,976.14	138.71	15.246		
11,200.00	6,994.14	6,520.00	6,514.66	126.87	27.76	75.88	-677.71	5,291.55	2,070.11	1,926.79	143.32	14.444		
11,300.00	6,995.17	6,520.00	6,514.66	129.63	27.76	75.88	-677.24	5,298.26	2,028.99	1,881.05	147.94	13.715		
11,400.00	6,996.20	6,520.00	6,514.66	132.39	27.76	75.88	-676.76	5,305.75	1,991.69	1,839.13	152.55	13.056		
11,500.00	6,997.23	6,520.00	6,514.66	135.16	27.76	75.88	-676.13	5,316.65	1,958.38	1,801.21	157.17	12.460		
11,600.00	6,998.26	6,520.00	6,514.66	137.93	27.76	75.88	-675.72	5,323.74	1,929.17	1,767.58	161.60	11.938		
11,700.00	6,999.30	6,520.00	6,514.66	140.70	27.76	75.88	-674.87	5,336.36	1,904.21	1,738.25	165.95	11.474		
11,800.00	7,000.33	6,520.00	6,514.66	143.48	27.76	75.88	-673.54	5,353.63	1,883.42	1,713.26	170.16	11.069		
11,900.00	7,001.36	6,520.00	6,514.66	146.26	27.76	75.88	-672.36	5,368.88	1,866.85	1,692.75	174.10	10.723		
12,000.00	7,002.39	6,520.00	6,514.66	149.04	27.76	75.88	-671.09	5,388.29	1,854.61	1,676.79	177.82	10.430		
12,100.00	7,003.42	6,520.00	6,514.66	151.82	27.76	75.88	-669.57	5,416.17	1,846.44	1,665.09	181.36	10.181		
12,200.00	7,004.45	6,520.00	6,514.66	154.61	27.76	75.88	-667.38	5,459.55	1,841.72	1,656.93	184.79	9.966		
12,300.00	7,005.48	6,520.00	6,514.66	157.40	27.76	75.88	-661.69	5,550.01	1,838.45	1,649.95	188.50	9.753		
12,400.00	7,006.51	6,520.00	6,514.66	160.19	27.76	75.88	-658.85	5,600.76	1,837.00	1,645.24	191.76	9.580		
12,405.83	7,006.57	6,520.00	6,514.66	160.35	27.76	75.88	-658.70	5,603.87	1,836.99	1,645.05	191.94	9.571 CC		
12,500.00	7,007.54	6,520.00	6,514.66	162.98	27.76	75.88	-655.73	5,675.52	1,837.64	1,642.36	195.27	9.411		
12,600.00	7,008.57	6,520.00	6,514.66	165.78	27.76	75.88	-651.41	5,780.18	1,838.86	1,639.59	199.27	9.228		
12,700.00	7,009.61	6,520.00	6,514.66	168.58	27.76	75.88	-647.56	5,874.13	1,839.61	1,636.26	203.35	9.046		
12,800.00	7,010.64	6,520.00	6,514.66	171.38	27.76	75.88	-646.75	5,941.88	1,842.01	1,634.95	207.07	8.896		
12,900.00	7,011.67	6,520.00	6,514.66	174.18	27.76	75.88	-647.57	5,974.23	1,846.95	1,636.99	209.96	8.796		
13,000.00	7,012.70	6,520.00	6,514.66	176.98	27.76	75.88	-652.95	6,070.19	1,854.21	1,639.65	214.56	8.642		
13,100.00	7,013.73	6,520.00	6,514.66	179.78	27.76	75.88	-658.23	6,269.88	1,857.53	1,635.23	222.30	8.356		
13,200.00	7,014.76	6,520.00	6,514.66	182.59	27.76	75.88	-657.55	6,396.93	1,858.13	1,629.93	228.20	8.143		
13,300.00	7,015.79	6,520.00	6,514.66	185.39	27.76	75.88	-654.42	6,547.16	1,857.50	1,622.69	234.81	7.911		
13,400.00	7,016.82	6,520.00	6,514.66	188.20	27.76	75.88	-652.60	6,606.23	1,855.84	1,616.69	239.15	7.760		
13,422.50	7,017.05	6,520.00	6,514.66	188.83	27.76	75.88	-652.40	6,619.20	1,855.78	1,615.68	240.10	7.729		
13,500.00	7,017.85	6,520.00	6,514.66	191.01	27.76	75.88	-652.14	6,672.27	1,856.37	1,612.75	243.62	7.620		
13,600.00	7,018.88	6,520.00	6,514.66	193.82	27.76	75.88	-652.71	6,749.02	1,858.32	1,609.91	248.41	7.481		
13,700.00	7,019.91	6,520.00	6,514.66	196.63	27.76	75.88	-654.80	6,845.42	1,861.43	1,607.53	253.90	7.331		
13,800.00	7,020.95	6,520.00	6,514.66	199.44	27.76	75.88	-655.57	6,966.33	1,862.83	1,602.56	260.26	7.157		
13,900.00	7,021.98	6,520.00	6,514.66	202.26	27.76	75.88	-653.68	7,128.14	1,862.64	1,594.75	267.89	6.953		
14,000.00	7,023.01	6,520.00	6,514.66	205.07	27.76	75.88	-651.49	7,213.30	1,861.27	1,588.07	273.20	6.813		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,089.98	7,023.94	8,935.82	7,217.93	207.60	71.41	96.70	-650.31	7,286.82	1,860.92	1,583.03	277.88	6.697		
14,100.00	7,024.04	8,944.65	7,217.90	207.89	71.67	96.69	-650.21	7,295.65	1,860.92	1,582.49	278.43	6.684		
14,200.00	7,025.07	9,026.66	7,216.87	210.70	74.14	96.63	-649.67	7,377.64	1,861.36	1,577.71	283.65	6.562		
14,300.00	7,026.10	9,101.51	7,216.46	213.52	76.40	96.59	-650.18	7,452.50	1,863.16	1,574.54	288.62	6.455		
14,400.00	7,027.13	9,198.44	7,215.28	216.34	79.36	96.52	-651.37	7,549.41	1,865.47	1,571.09	294.38	6.337		
14,500.00	7,028.16	9,273.14	7,214.42	219.16	81.65	96.46	-653.00	7,624.09	1,868.72	1,569.40	299.32	6.243		
14,600.00	7,029.19	9,420.51	7,211.46	221.98	86.21	96.30	-656.58	7,771.38	1,872.50	1,565.50	306.99	6.099		
14,700.00	7,030.22	9,571.58	7,212.37	224.80	90.91	96.29	-653.51	7,922.40	1,871.40	1,556.83	314.57	5.949		
14,793.34	7,031.19	9,639.57	7,214.28	227.43	93.04	96.33	-651.92	7,990.34	1,870.68	1,551.41	319.27	5.859		
14,800.00	7,031.26	9,643.53	7,214.40	227.62	93.16	96.33	-651.86	7,994.29	1,870.69	1,551.11	319.58	5.854		
14,900.00	7,032.29	9,714.00	7,216.47	230.44	95.37	96.37	-651.78	8,064.73	1,871.97	1,547.50	324.47	5.769		
15,000.00	7,033.32	9,797.21	7,218.99	233.26	98.00	96.41	-652.71	8,147.89	1,874.56	1,544.78	329.78	5.684		
15,100.00	7,034.35	9,906.04	7,222.29	236.09	101.45	96.47	-653.63	8,256.68	1,876.95	1,540.92	336.04	5.586		
15,200.00	7,035.38	9,986.23	7,223.60	238.91	103.99	96.47	-654.77	8,336.85	1,879.74	1,538.49	341.25	5.508		
15,300.00	7,036.41	10,089.76	7,223.88	241.74	107.29	96.44	-656.73	8,440.36	1,882.88	1,535.50	347.38	5.420		
15,400.00	7,037.44	10,190.15	7,220.70	244.56	110.49	96.30	-658.69	8,540.67	1,885.70	1,532.25	353.45	5.335		
15,500.00	7,038.47	10,280.52	7,216.09	247.39	113.38	96.12	-661.22	8,630.88	1,889.13	1,529.98	359.15	5.260		
15,600.00	7,039.50	10,395.11	7,211.55	250.21	117.05	95.94	-663.85	8,745.35	1,892.22	1,526.41	365.82	5.173		
15,700.00	7,040.53	10,481.46	7,210.10	253.04	119.82	95.86	-665.42	8,831.67	1,895.13	1,523.79	371.34	5.104		
15,800.00	7,041.57	10,554.75	7,210.47	255.87	122.18	95.84	-667.51	8,904.93	1,899.27	1,523.00	376.27	5.048		
15,900.00	7,042.60	10,641.54	7,209.98	258.70	124.98	95.78	-671.33	8,991.63	1,904.78	1,523.03	381.75	4.990		
16,000.00	7,043.63	10,823.24	7,209.79	261.53	130.85	95.70	-676.16	9,173.25	1,909.02	1,517.93	391.09	4.881		
16,100.00	7,044.66	10,975.24	7,210.80	264.35	135.76	95.68	-673.21	9,325.21	1,908.10	1,509.26	398.84	4.784		
16,200.00	7,045.69	11,075.07	7,212.11	267.18	138.99	95.69	-670.36	9,425.00	1,906.63	1,501.76	404.87	4.709		
16,300.00	7,046.72	11,171.12	7,213.14	270.01	142.10	95.70	-667.85	9,521.01	1,905.37	1,494.58	410.79	4.638		
16,400.00	7,047.75	11,286.75	7,212.77	272.84	145.85	95.66	-664.66	9,636.59	1,903.84	1,486.52	417.33	4.562		
16,500.00	7,048.78	11,369.90	7,212.78	275.67	148.55	95.64	-661.97	9,719.69	1,901.92	1,479.04	422.88	4.498		
16,596.63	7,049.78	11,444.23	7,213.13	278.41	150.96	95.62	-660.72	9,794.01	1,901.50	1,473.48	428.02	4.443		
16,600.00	7,049.81	11,447.36	7,213.16	278.51	151.07	95.62	-660.68	9,797.15	1,901.50	1,473.28	428.22	4.440		
16,700.00	7,050.84	11,538.90	7,214.80	281.34	154.05	95.64	-659.58	9,888.67	1,901.72	1,467.74	433.98	4.382		
16,800.00	7,051.88	11,705.67	7,217.80	284.17	159.48	95.69	-655.43	10,055.33	1,900.82	1,458.76	442.06	4.300		
16,900.00	7,052.91	11,787.11	7,221.74	287.00	162.12	95.79	-651.91	10,136.59	1,898.23	1,450.69	447.55	4.241		
17,000.00	7,053.94	11,874.63	7,225.10	289.83	164.97	95.87	-649.17	10,224.00	1,896.71	1,443.52	453.19	4.185		
17,100.00	7,054.97	12,005.29	7,228.73	292.67	169.23	95.95	-643.98	10,354.50	1,894.21	1,434.14	460.08	4.117		
17,174.13	7,055.73	12,022.00	7,229.17	294.77	169.78	95.96	-643.22	10,371.19	1,892.84	1,430.00	462.83	4.090		
17,200.00	7,056.00	12,022.00	7,229.17	295.50	169.78	95.96	-643.22	10,371.19	1,893.01	1,429.53	463.49	4.084 ES		
17,300.00	7,057.03	12,022.00	7,229.17	298.33	169.78	95.96	-643.22	10,371.19	1,897.02	1,431.80	465.22	4.078 SF		
17,400.00	7,058.06	12,022.00	7,229.17	301.17	169.78	95.96	-643.22	10,371.19	1,906.27	1,440.58	465.68	4.093		
17,500.00	7,059.09	12,022.00	7,229.17	304.00	169.78	95.96	-643.22	10,371.19	1,920.68	1,455.76	464.92	4.131		
17,600.00	7,060.12	12,022.00	7,229.17	306.84	169.78	95.96	-643.22	10,371.19	1,940.16	1,477.16	462.99	4.190		
17,685.09	7,061.00	12,022.00	7,229.17	309.25	169.78	95.96	-643.22	10,371.19	1,960.59	1,500.10	460.49	4.258		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	98.20	-754.64	5,235.25	5,289.40					
100.00	100.00	89.01	89.00	3.28	3.29	98.21	-755.46	5,235.03	5,289.28	5,282.70	6.57	804.837		
200.00	200.00	204.14	204.11	3.34	3.36	98.24	-757.54	5,234.19	5,288.80	5,282.10	6.70	789.809		
251.11	251.11	246.37	246.34	3.39	3.40	101.15	-758.25	5,233.91	5,288.67	5,281.88	6.79	778.940		
300.00	299.98	289.75	289.71	3.45	3.46	101.17	-758.91	5,233.69	5,288.78	5,281.88	6.90	765.947		
400.00	399.84	386.66	386.61	3.61	3.62	101.22	-760.36	5,233.27	5,289.59	5,282.37	7.22	732.458		
500.00	499.45	528.35	528.28	3.82	3.92	101.35	-762.35	5,232.45	5,291.01	5,283.28	7.73	684.437		
600.00	598.70	672.45	672.26	4.07	4.31	101.58	-767.42	5,229.36	5,291.76	5,283.40	8.36	632.835		
680.00	677.76	728.36	728.03	4.29	4.48	101.68	-770.97	5,227.91	5,292.96	5,284.20	8.75	604.787		
700.00	697.48	742.00	741.62	4.35	4.52	101.72	-772.02	5,227.56	5,293.37	5,284.52	8.85	597.937		
800.00	796.08	789.90	789.35	4.66	4.68	101.85	-775.90	5,226.57	5,296.03	5,286.71	9.32	568.319		
900.00	894.68	837.00	836.29	4.98	4.84	101.97	-779.85	5,226.01	5,299.69	5,289.88	9.81	540.123		
1,000.00	993.28	877.52	876.65	5.34	4.98	102.08	-783.43	5,225.91	5,304.44	5,294.13	10.31	514.599		
1,100.00	1,091.88	930.00	928.88	5.71	5.16	102.23	-788.45	5,226.37	5,310.38	5,299.51	10.86	488.762		
1,200.00	1,190.48	930.00	928.88	6.10	5.16	102.23	-788.45	5,226.37	5,317.56	5,306.32	11.25	472.762		
1,300.00	1,289.07	980.67	979.28	6.49	5.35	102.37	-793.56	5,227.68	5,325.84	5,314.02	11.82	450.399		
1,400.00	1,387.67	1,025.00	1,023.33	6.90	5.51	102.49	-798.10	5,229.70	5,335.63	5,323.25	12.39	430.699		
1,500.00	1,486.27	1,500.00	1,291.31	7.31	7.35	103.13	-816.08	5,240.18	5,344.94	5,330.31	14.63	365.343		
1,600.00	1,584.87	1,355.75	1,353.13	7.73	6.77	103.26	-818.80	5,241.72	5,352.23	5,337.75	14.47	369.769		
1,700.00	1,683.47	1,405.85	1,403.15	8.16	6.97	103.37	-821.03	5,243.55	5,360.56	5,345.47	15.09	355.290		
1,800.00	1,782.07	1,481.92	1,479.02	8.59	7.27	103.54	-825.48	5,246.55	5,369.56	5,353.74	15.81	339.551		
1,900.00	1,880.67	1,604.98	1,601.77	9.02	7.78	103.82	-833.01	5,251.20	5,378.52	5,361.78	16.75	321.180		
2,000.00	1,979.27	2,000.00	1,733.77	9.46	9.43	104.11	-840.30	5,255.71	5,387.12	5,368.31	18.82	286.270		
2,100.00	2,077.87	1,842.44	1,838.79	9.90	8.76	104.34	-845.05	5,258.79	5,395.11	5,376.51	18.60	290.132		
2,200.00	2,176.47	1,924.27	1,920.48	10.35	9.11	104.51	-848.93	5,261.46	5,403.54	5,384.17	19.37	278.940		
2,300.00	2,275.07	1,981.45	1,977.55	10.79	9.35	104.64	-851.85	5,263.50	5,412.48	5,392.43	20.04	270.017		
2,400.00	2,373.67	2,039.00	2,034.96	11.24	9.60	104.76	-854.94	5,266.13	5,422.38	5,401.66	20.72	261.687		
2,500.00	2,472.27	2,114.50	2,110.26	11.69	9.92	104.92	-858.75	5,270.08	5,432.94	5,411.47	21.47	252.993		
2,600.00	2,570.87	2,216.27	2,211.76	12.14	10.36	105.13	-863.82	5,275.40	5,443.61	5,421.26	22.35	243.579		
2,700.00	2,669.47	2,332.35	2,327.46	12.59	10.87	105.40	-871.61	5,280.68	5,454.08	5,430.78	23.30	234.075		
2,800.00	2,768.07	2,418.12	2,412.92	13.04	11.25	105.60	-877.73	5,284.51	5,464.65	5,440.53	24.12	226.568		
2,900.00	2,866.67	2,538.36	2,532.82	13.50	11.79	105.86	-885.08	5,289.95	5,475.12	5,450.03	25.09	218.180		
3,000.00	2,965.27	2,731.56	2,725.54	13.95	12.65	106.29	-896.71	5,296.47	5,484.50	5,458.09	26.41	207.667		
3,100.00	3,063.87	2,836.47	2,830.10	14.41	13.12	106.54	-904.99	5,298.73	5,493.34	5,466.01	27.33	200.989		
3,200.00	3,162.47	2,969.91	2,963.20	14.87	13.72	106.85	-914.07	5,301.25	5,501.76	5,473.37	28.38	193.839		
3,300.00	3,261.07	3,130.49	3,123.59	15.32	14.43	107.18	-921.45	5,303.75	5,509.41	5,479.86	29.55	186.470		
3,400.00	3,359.67	3,314.00	3,307.05	15.78	15.21	107.51	-924.73	5,304.61	5,515.04	5,484.25	30.79	179.135		
3,500.00	3,458.27	3,420.68	3,413.74	16.24	15.65	107.70	-925.40	5,304.88	5,520.56	5,488.87	31.69	174.202		
3,600.00	3,556.87	3,487.60	3,480.65	16.70	15.93	107.81	-925.75	5,305.26	5,526.39	5,493.97	32.42	170.449		
3,700.00	3,655.47	3,566.64	3,559.68	17.16	16.26	107.94	-926.07	5,306.12	5,532.74	5,499.54	33.20	166.633		
3,800.00	3,754.06	3,683.16	3,676.20	17.62	16.74	108.13	-926.41	5,307.50	5,539.21	5,505.07	34.14	162.247		
3,900.00	3,852.66	3,773.24	3,766.27	18.08	17.10	108.28	-926.36	5,308.53	5,545.59	5,510.63	34.96	158.615		
4,000.00	3,951.26	3,873.39	3,866.42	18.54	17.51	108.44	-926.38	5,309.74	5,552.09	5,516.26	35.83	154.960		
4,100.00	4,049.86	3,993.68	3,986.70	19.01	18.01	108.63	-926.33	5,310.84	5,558.33	5,521.54	36.78	151.108		
4,200.00	4,148.46	4,070.79	4,063.80	19.47	18.33	108.76	-926.72	5,311.36	5,564.57	5,527.01	37.56	148.138		
4,300.00	4,247.06	4,229.29	4,222.28	19.93	19.01	109.03	-928.82	5,312.31	5,571.21	5,532.50	38.71	143.940		
4,400.00	4,345.66	4,328.45	4,321.44	20.39	19.42	109.20	-928.98	5,312.29	5,576.77	5,537.19	39.58	140.901		
4,500.00	4,444.26	4,428.27	4,421.26	20.86	19.82	109.36	-929.02	5,312.28	5,582.35	5,541.91	40.44	138.030		
4,600.00	4,542.86	4,564.10	4,557.09	21.32	20.36	109.58	-928.92	5,312.02	5,587.81	5,546.36	41.45	134.805		
4,700.00	4,641.46	4,672.52	4,665.51	21.78	20.78	109.75	-928.69	5,311.19	5,592.69	5,550.35	42.34	132.087		
4,800.00	4,740.06	4,758.90	4,751.88	22.25	21.12	109.89	-928.51	5,310.57	5,597.66	5,554.51	43.14	129.744		
4,900.00	4,838.66	4,836.00	4,828.99	22.71	21.43	110.01	-928.28	5,310.33	5,603.03	5,559.12	43.91	127.611		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,919.20	4,912.18	23.18	21.75	110.14	-927.81	5,310.44	5,608.77	5,564.07	44.69	125.492		
5,100.00	5,035.86	5,044.24	5,037.22	23.64	22.25	110.33	-926.92	5,310.43	5,614.38	5,568.72	45.65	122.980		
5,200.00	5,134.46	5,151.67	5,144.65	24.11	22.67	110.50	-926.64	5,309.94	5,619.75	5,573.20	46.55	120.737		
5,300.00	5,233.06	5,237.52	5,230.50	24.57	23.02	110.64	-926.72	5,309.41	5,625.13	5,577.77	47.36	118.777		
5,400.00	5,331.66	5,319.36	5,312.33	25.04	23.37	110.78	-927.22	5,309.11	5,630.93	5,582.77	48.16	116.913		
5,500.00	5,430.26	5,435.84	5,428.81	25.50	23.86	110.98	-928.33	5,308.58	5,636.82	5,587.70	49.12	114.749		
5,600.00	5,528.86	5,601.49	5,594.42	25.97	24.53	111.22	-925.88	5,307.29	5,641.53	5,591.27	50.26	112.242		
5,700.00	5,627.46	5,686.06	5,678.97	26.43	24.86	111.34	-923.99	5,306.65	5,646.21	5,595.15	51.06	110.579		
5,800.00	5,726.06	5,765.40	5,758.30	26.90	25.18	111.45	-922.94	5,306.01	5,651.18	5,599.34	51.84	109.013		
5,900.00	5,824.66	5,848.37	5,841.26	27.36	25.51	111.58	-922.54	5,305.47	5,656.58	5,603.94	52.64	107.462		
6,000.00	5,923.26	5,948.64	5,941.53	27.83	25.93	111.75	-922.89	5,304.58	5,662.08	5,608.56	53.52	105.797		
6,100.00	6,021.86	6,036.29	6,029.17	28.30	26.30	111.89	-923.53	5,303.73	5,667.67	5,613.32	54.35	104.279		
6,200.00	6,120.46	6,133.49	6,126.37	28.76	26.71	112.06	-924.68	5,302.88	5,673.55	5,618.32	55.23	102.729		
6,300.00	6,219.06	6,209.30	6,202.16	29.23	27.03	112.19	-925.75	5,302.12	5,679.48	5,623.47	56.01	101.402		
6,405.66	6,323.24	6,296.70	6,289.56	29.72	27.40	112.33	-925.90	5,302.35	5,686.50	5,629.64	56.86	100.005		
6,450.00	6,366.93	6,450.00	6,337.98	29.93	28.04	89.69	-925.96	5,302.27	5,687.84	5,630.13	57.71	98.560		
6,500.00	6,415.96	6,377.02	6,369.88	30.15	27.74	70.40	-925.99	5,302.27	5,686.01	5,628.39	57.63	98.672		
6,550.00	6,464.44	6,395.91	6,388.77	30.37	27.82	58.21	-925.98	5,302.41	5,680.80	5,622.89	57.92	98.087		
6,600.00	6,512.08	6,438.00	6,430.85	30.58	27.99	50.73	-925.85	5,303.13	5,672.35	5,614.05	58.30	97.292		
6,650.00	6,558.58	6,438.00	6,430.85	30.78	27.99	45.91	-925.85	5,303.13	5,660.33	5,601.84	58.49	96.776		
6,700.00	6,603.65	6,438.00	6,430.85	30.97	27.99	42.80	-925.85	5,303.13	5,645.19	5,586.53	58.66	96.230		
6,750.00	6,647.02	6,438.00	6,430.85	31.15	27.99	40.81	-925.85	5,303.13	5,627.02	5,568.19	58.83	95.654		
6,800.00	6,688.42	6,438.00	6,430.85	31.31	27.99	39.65	-925.85	5,303.13	5,605.88	5,546.90	58.98	95.048		
6,850.00	6,727.59	6,438.00	6,430.85	31.46	27.99	39.11	-925.85	5,303.13	5,581.88	5,522.76	59.12	94.411		
6,900.00	6,764.29	6,476.48	6,469.30	31.60	28.15	39.32	-925.57	5,304.67	5,554.46	5,495.01	59.45	93.438		
6,950.00	6,798.30	6,483.60	6,476.41	31.73	28.18	39.88	-925.50	5,305.09	5,524.81	5,465.20	59.61	92.679		
7,000.00	6,829.41	6,490.26	6,483.05	31.84	28.21	40.94	-925.43	5,305.53	5,492.66	5,432.88	59.77	91.890		
7,050.00	6,857.42	6,527.00	6,519.66	32.03	28.36	42.77	-924.95	5,308.57	5,458.59	5,398.50	60.08	90.852		
7,100.00	6,882.16	6,527.00	6,519.66	32.36	28.36	44.93	-924.95	5,308.57	5,421.78	5,361.57	60.21	90.047		
7,150.00	6,903.48	6,527.00	6,519.66	32.73	28.36	47.76	-924.95	5,308.57	5,383.05	5,322.71	60.34	89.211		
7,200.00	6,921.25	6,527.00	6,519.66	33.15	28.36	51.38	-924.95	5,308.57	5,342.59	5,282.12	60.47	88.345		
7,250.00	6,935.36	6,527.00	6,519.66	33.61	28.36	55.95	-924.95	5,308.57	5,300.61	5,240.00	60.61	87.450		
7,300.00	6,945.72	6,527.00	6,519.66	34.11	28.36	61.66	-924.95	5,308.57	5,257.34	5,196.58	60.76	86.530		
7,350.00	6,952.26	6,527.00	6,519.66	34.65	28.36	68.66	-924.95	5,308.57	5,213.01	5,152.11	60.91	85.587		
7,403.14	6,955.00	6,527.00	6,519.66	35.26	28.36	77.60	-924.95	5,308.57	5,165.03	5,103.95	61.08	84.563		
7,500.00	6,955.99	6,527.00	6,519.66	36.49	28.36	77.60	-924.95	5,308.57	5,077.09	5,015.67	61.42	82.663		
7,600.00	6,957.03	6,527.00	6,519.66	37.93	28.36	77.60	-924.95	5,308.57	4,986.64	4,924.82	61.83	80.655		
7,700.00	6,958.06	6,527.00	6,519.66	39.52	28.36	77.60	-924.95	5,308.57	4,896.57	4,834.27	62.30	78.600		
7,800.00	6,959.09	6,527.00	6,519.66	41.25	28.36	77.60	-924.95	5,308.57	4,806.89	4,744.05	62.84	76.500		
7,900.00	6,960.12	6,527.00	6,519.66	43.09	28.36	77.60	-924.95	5,308.57	4,717.62	4,654.18	63.44	74.359		
8,000.00	6,961.15	6,527.00	6,519.66	45.04	28.36	77.60	-924.95	5,308.57	4,628.79	4,564.66	64.13	72.182		
8,100.00	6,962.18	6,527.00	6,519.66	47.08	28.36	77.60	-924.95	5,308.57	4,540.43	4,475.54	64.89	69.973		
8,200.00	6,963.21	6,527.00	6,519.66	49.20	28.36	77.60	-924.95	5,308.57	4,452.56	4,386.82	65.73	67.738		
8,300.00	6,964.24	6,527.00	6,519.66	51.39	28.36	77.60	-924.95	5,308.57	4,365.21	4,298.55	66.66	65.483		
8,400.00	6,965.27	6,527.00	6,519.66	53.64	28.36	77.60	-924.95	5,308.57	4,278.41	4,210.73	67.68	63.214		
8,500.00	6,966.30	6,527.00	6,519.66	55.95	28.36	77.60	-924.95	5,308.57	4,192.21	4,123.41	68.79	60.939		
8,600.00	6,967.33	6,527.00	6,519.66	58.30	28.36	77.60	-924.95	5,308.57	4,106.62	4,036.62	70.00	58.663		
8,700.00	6,968.37	6,527.00	6,519.66	60.70	28.36	77.60	-924.95	5,308.57	4,021.71	3,950.39	71.31	56.394		
8,800.00	6,969.40	6,527.00	6,519.66	63.14	28.36	77.60	-924.95	5,308.57	3,937.50	3,864.77	72.73	54.139		
8,900.00	6,970.43	6,560.31	6,552.74	65.60	28.51	78.46	-924.38	5,312.41	3,853.44	3,779.00	74.44	51.763		
9,000.00	6,971.46	6,563.80	6,556.20	68.10	28.52	78.55	-924.32	5,312.88	3,770.66	3,694.56	76.10	49.549		
9,100.00	6,972.49	6,567.47	6,559.84	70.63	28.54	78.65	-924.25	5,313.39	3,688.73	3,610.85	77.87	47.368		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	6,571.34	6,563.66	73.18	28.55	78.75	-924.17	5,313.94	3,607.68	3,527.92	79.77	45.228		
9,300.00	6,974.55	6,575.42	6,567.69	75.75	28.57	78.85	-924.09	5,314.53	3,527.59	3,445.81	81.78	43.134		
9,400.00	6,975.58	6,579.72	6,571.95	78.34	28.59	78.97	-924.00	5,315.18	3,448.52	3,364.60	83.93	41.090		
9,500.00	6,976.61	6,584.27	6,576.45	80.94	28.61	79.08	-923.91	5,315.89	3,370.55	3,284.35	86.20	39.101		
9,600.00	6,977.64	6,617.00	6,608.66	83.56	28.74	79.93	-923.17	5,321.59	3,294.15	3,205.38	88.76	37.111		
9,700.00	6,978.68	6,617.00	6,608.66	86.20	28.74	79.93	-923.17	5,321.59	3,218.45	3,127.16	91.28	35.258		
9,800.00	6,979.71	6,617.00	6,608.66	88.85	28.74	79.93	-923.17	5,321.59	3,144.10	3,050.16	93.94	33.470		
9,900.00	6,980.74	6,617.00	6,608.66	91.51	28.74	79.93	-923.17	5,321.59	3,071.22	2,974.48	96.73	31.749		
10,000.00	6,981.77	6,617.00	6,608.66	94.19	28.74	79.93	-923.17	5,321.59	2,999.89	2,900.22	99.67	30.098		
10,100.00	6,982.80	6,617.00	6,608.66	96.87	28.74	79.93	-923.17	5,321.59	2,930.24	2,827.50	102.75	28.519		
10,200.00	6,983.83	6,617.00	6,608.66	99.56	28.74	79.93	-923.17	5,321.59	2,862.40	2,756.43	105.96	27.013		
10,300.00	6,984.86	6,617.00	6,608.66	102.27	28.74	79.93	-923.17	5,321.59	2,796.48	2,687.16	109.32	25.581		
10,400.00	6,985.89	6,617.00	6,608.66	104.98	28.74	79.93	-923.17	5,321.59	2,732.63	2,619.82	112.81	24.224		
10,500.00	6,986.92	6,645.40	6,636.44	107.69	28.86	80.67	-922.49	5,327.46	2,670.56	2,553.95	116.61	22.902		
10,600.00	6,987.95	6,653.55	6,644.38	110.41	28.90	80.88	-922.31	5,329.31	2,611.02	2,490.61	120.41	21.684		
10,700.00	6,988.99	6,662.35	6,652.92	113.14	28.94	81.10	-922.10	5,331.38	2,553.94	2,429.60	124.34	20.541		
10,800.00	6,990.02	6,671.88	6,662.15	115.88	28.98	81.35	-921.89	5,333.73	2,499.46	2,371.09	128.37	19.471		
10,900.00	6,991.05	6,682.22	6,672.15	118.62	29.02	81.61	-921.66	5,336.39	2,447.74	2,315.25	132.50	18.474		
11,000.00	6,992.08	6,706.00	6,695.00	121.37	29.12	82.22	-921.15	5,342.93	2,399.04	2,262.26	136.78	17.539		
11,100.00	6,993.11	6,706.00	6,695.00	124.12	29.12	82.22	-921.15	5,342.93	2,353.28	2,212.30	140.98	16.692		
11,200.00	6,994.14	6,706.00	6,695.00	126.87	29.12	82.22	-921.15	5,342.93	2,310.95	2,165.74	145.20	15.915		
11,300.00	6,995.17	6,737.11	6,724.65	129.63	29.25	83.02	-920.49	5,352.35	2,271.82	2,122.18	149.64	15.182		
11,400.00	6,996.20	6,755.14	6,741.69	132.39	29.33	83.47	-920.12	5,358.21	2,236.33	2,082.37	153.96	14.525		
11,500.00	6,997.23	6,775.06	6,760.40	135.16	29.42	83.98	-919.71	5,365.02	2,204.51	2,046.27	158.24	13.931		
11,600.00	6,998.26	6,795.00	6,779.00	137.93	29.50	84.48	-919.31	5,372.21	2,176.48	2,014.04	162.44	13.399		
11,700.00	6,999.30	6,795.00	6,779.00	140.70	29.50	84.48	-919.31	5,372.21	2,152.57	1,986.19	166.38	12.938		
11,800.00	7,000.33	6,831.68	6,812.69	143.48	29.66	85.39	-918.73	5,386.69	2,132.40	1,961.97	170.43	12.512		
11,900.00	7,001.36	6,852.86	6,831.76	146.26	29.76	85.91	-918.54	5,395.90	2,116.54	1,942.35	174.19	12.151		
12,000.00	7,002.39	6,883.00	6,858.37	149.04	29.90	86.63	-918.46	5,410.04	2,104.84	1,927.03	177.81	11.837		
12,100.00	7,003.42	6,883.00	6,858.37	151.82	29.90	86.63	-918.46	5,410.04	2,097.41	1,916.46	180.95	11.591		
12,200.00	7,004.45	6,924.09	6,893.76	154.61	30.10	87.59	-918.91	5,430.91	2,093.87	1,909.64	184.22	11.366		
12,231.67	7,004.78	6,932.05	6,900.52	155.49	30.14	87.78	-919.10	5,435.13	2,093.66	1,908.50	185.16	11.307 CC		
12,300.00	7,005.48	6,949.97	6,915.57	157.40	30.23	88.19	-919.64	5,444.82	2,094.62	1,907.52	187.09	11.196		
12,400.00	7,006.51	12,400.00	7,038.25	160.19	71.60	91.51	-922.83	5,544.41	2,098.80	1,868.94	229.86	9.131		
12,500.00	7,007.54	7,206.50	7,102.71	162.98	31.99	93.25	-921.31	5,617.89	2,101.79	1,907.22	194.56	10.803		
12,600.00	7,008.57	7,275.24	7,138.05	165.78	32.67	94.19	-921.38	5,676.80	2,106.91	1,909.18	197.73	10.656		
12,700.00	7,009.61	7,356.61	7,171.48	168.58	33.61	95.07	-922.47	5,750.94	2,113.27	1,912.13	201.15	10.506		
12,800.00	7,010.64	7,420.89	7,194.02	171.38	34.48	95.66	-924.49	5,811.10	2,121.30	1,916.92	204.38	10.379		
12,900.00	7,011.67	7,605.44	7,229.89	174.18	37.52	96.54	-932.36	5,991.16	2,129.47	1,919.01	210.47	10.118		
13,000.00	7,012.70	7,734.41	7,228.39	176.98	39.98	96.45	-936.30	6,120.04	2,133.51	1,917.65	215.86	9.884		
13,100.00	7,013.73	13,100.00	7,226.53	179.78	160.29	96.35	-938.47	6,271.11	2,135.99	1,797.58	338.40	6.312		
13,200.00	7,014.76	7,950.87	7,225.92	182.59	44.75	96.31	-939.06	6,336.45	2,138.07	1,911.78	226.29	9.448		
13,300.00	7,015.79	8,168.17	7,227.33	185.39	50.10	96.29	-934.83	6,553.54	2,136.38	1,901.89	234.49	9.111		
13,382.90	7,016.65	8,198.00	7,227.89	187.72	50.87	96.30	-934.11	6,583.35	2,135.42	1,897.80	237.62	8.987		
13,400.00	7,016.82	8,206.86	7,228.03	188.20	51.11	96.30	-934.02	6,592.21	2,135.48	1,897.15	238.33	8.960		
13,500.00	7,017.85	8,321.71	7,229.63	191.01	54.16	96.31	-932.12	6,707.03	2,135.16	1,890.99	244.17	8.745		
13,531.59	7,018.18	8,346.71	7,229.84	191.90	54.84	96.31	-931.75	6,732.03	2,135.11	1,889.39	245.72	8.689		
13,600.00	7,018.88	8,404.49	7,230.12	193.82	56.42	96.30	-931.18	6,789.81	2,135.31	1,886.10	249.21	8.568		
13,700.00	7,019.91	8,493.58	7,230.81	196.63	58.89	96.29	-930.65	6,878.89	2,136.03	1,881.56	254.47	8.394		
13,800.00	7,020.95	8,581.78	7,232.00	199.44	61.39	96.30	-930.64	6,967.08	2,137.38	1,877.65	259.73	8.229		
13,900.00	7,021.98	8,671.47	7,232.57	202.26	63.97	96.28	-930.96	7,056.77	2,139.04	1,873.96	265.08	8.069		
14,000.00	7,023.01	8,760.38	7,232.60	205.07	66.56	96.25	-932.23	7,145.67	2,141.66	1,871.21	270.44	7.919		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,024.04	8,888.49	7,231.31	207.89	70.34	96.18	-932.81	7,273.76	2,143.13	1,866.03	277.10	7.734		
14,200.00	7,025.07	9,016.96	7,231.25	210.70	74.18	96.14	-932.15	7,402.23	2,143.87	1,860.10	283.76	7.555		
14,201.45	7,025.08	9,018.96	7,231.28	210.74	74.24	96.14	-932.12	7,404.23	2,143.87	1,860.00	283.86	7.552		
14,300.00	7,026.10	9,102.82	7,231.66	213.52	76.78	96.12	-931.49	7,488.09	2,144.35	1,855.19	289.16	7.416		
14,400.00	7,027.13	9,260.94	7,231.07	216.34	81.59	96.07	-928.77	7,646.18	2,143.97	1,847.25	296.72	7.226		
14,493.60	7,028.10	9,308.88	7,230.69	218.98	83.06	96.04	-927.57	7,694.09	2,142.84	1,841.96	300.88	7.122		
14,500.00	7,028.16	9,311.73	7,230.66	219.16	83.15	96.04	-927.54	7,696.94	2,142.85	1,841.70	301.15	7.116		
14,600.00	7,029.19	9,359.00	7,229.93	221.98	84.60	96.01	-927.77	7,744.21	2,144.31	1,838.99	305.32	7.023		
14,700.00	7,030.22	9,478.47	7,228.76	224.80	88.31	95.94	-929.10	7,863.67	2,146.57	1,834.66	311.91	6.882		
14,800.00	7,031.26	9,585.02	7,227.59	227.62	91.63	95.87	-929.52	7,970.21	2,148.07	1,830.00	318.07	6.754		
14,900.00	7,032.29	9,700.92	7,225.85	230.44	95.26	95.79	-929.61	8,086.09	2,149.25	1,824.71	324.55	6.622		
15,000.00	7,033.32	9,789.35	7,224.34	233.26	98.04	95.72	-929.42	8,174.51	2,150.11	1,819.97	330.14	6.513		
15,100.00	7,034.35	9,898.31	7,221.96	236.09	101.48	95.62	-929.50	8,283.45	2,151.21	1,814.78	336.44	6.394		
15,200.00	7,035.38	10,018.31	7,220.52	238.91	105.28	95.55	-928.84	8,403.43	2,151.83	1,808.76	343.07	6.272		
15,300.00	7,036.41	10,124.87	7,220.63	241.74	108.66	95.53	-926.71	8,509.96	2,151.07	1,801.80	349.27	6.159		
15,339.51	7,036.82	10,155.12	7,220.81	242.85	109.62	95.52	-926.25	8,540.21	2,150.98	1,799.64	351.34	6.122		
15,400.00	7,037.44	10,209.55	7,221.23	244.56	111.36	95.52	-925.62	8,594.64	2,151.08	1,796.30	354.78	6.063		
15,500.00	7,038.47	10,293.40	7,222.02	247.39	114.04	95.52	-924.98	8,678.48	2,151.66	1,791.41	360.25	5.973		
15,600.00	7,039.50	10,380.13	7,222.60	250.21	116.81	95.50	-925.13	8,765.22	2,153.11	1,787.31	365.81	5.886		
15,700.00	7,040.53	10,475.48	7,223.66	253.04	119.88	95.50	-925.49	8,860.56	2,154.84	1,783.17	371.66	5.798		
15,800.00	7,041.57	10,563.15	7,224.51	255.87	122.70	95.50	-926.16	8,948.22	2,156.94	1,779.68	377.25	5.718		
15,900.00	7,042.60	10,669.22	7,224.79	258.70	126.11	95.47	-927.51	9,054.27	2,159.49	1,775.98	383.51	5.631		
16,000.00	7,043.63	10,810.31	7,223.93	261.53	130.67	95.40	-927.39	9,195.37	2,160.54	1,769.58	390.96	5.526		
16,100.00	7,044.66	10,907.18	7,222.66	264.35	133.79	95.34	-926.55	9,292.22	2,160.80	1,763.87	396.93	5.444		
16,200.00	7,045.69	11,004.84	7,222.33	267.18	136.95	95.30	-925.92	9,389.88	2,161.37	1,758.45	402.92	5.364		
16,300.00	7,046.72	11,088.30	7,221.95	270.01	139.66	95.27	-925.38	9,473.34	2,161.99	1,753.56	408.43	5.293		
16,400.00	7,047.75	11,177.00	7,222.50	272.84	142.54	95.25	-926.09	9,562.03	2,164.01	1,749.92	414.09	5.226		
16,500.00	7,048.78	11,315.06	7,224.41	275.67	147.02	95.27	-925.00	9,700.07	2,164.48	1,743.05	421.43	5.136		
16,600.00	7,049.81	11,417.17	7,224.99	278.51	150.34	95.25	-923.65	9,802.16	2,164.45	1,736.89	427.56	5.062		
16,601.53	7,049.83	11,418.72	7,224.97	278.55	150.39	95.25	-923.63	9,803.72	2,164.45	1,736.80	427.66	5.061		
16,700.00	7,050.84	11,490.42	7,224.29	281.34	152.72	95.21	-923.25	9,875.41	2,165.06	1,732.30	432.76	5.003		
16,800.00	7,051.88	11,588.10	7,223.10	284.17	155.90	95.15	-923.40	9,973.08	2,166.34	1,727.56	438.78	4.937		
16,900.00	7,052.91	11,705.08	7,221.69	287.00	159.72	95.08	-923.05	10,090.05	2,167.18	1,721.71	445.47	4.865		
17,000.00	7,053.94	11,816.59	7,220.73	289.83	163.35	95.02	-922.04	10,201.56	2,167.46	1,715.51	451.95	4.796		
17,100.00	7,054.97	11,931.88	7,218.71	292.67	167.11	94.94	-920.29	10,316.81	2,167.03	1,708.48	458.55	4.726		
17,150.01	7,055.48	11,966.00	7,217.82	294.08	168.23	94.91	-919.68	10,350.91	2,166.72	1,705.61	461.11	4.699		
17,200.00	7,056.00	11,966.00	7,217.82	295.50	168.23	94.91	-919.68	10,350.91	2,167.30	1,704.88	462.42	4.687 ES		
17,300.00	7,057.03	11,966.00	7,217.82	298.33	168.23	94.91	-919.68	10,350.91	2,171.91	1,707.58	464.33	4.678 SF		
17,400.00	7,058.06	11,966.00	7,217.82	301.17	168.23	94.91	-919.68	10,350.91	2,181.10	1,715.82	465.27	4.688		
17,500.00	7,059.09	11,966.00	7,217.82	304.00	168.23	94.91	-919.68	10,350.91	2,194.81	1,729.54	465.27	4.717		
17,600.00	7,060.12	11,966.00	7,217.82	306.84	168.23	94.91	-919.68	10,350.91	2,212.96	1,748.60	464.36	4.766		
17,685.09	7,061.00	11,966.00	7,217.82	309.25	168.23	94.91	-919.68	10,350.91	2,231.81	1,768.91	462.90	4.821		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.83	-724.39	5,270.04	5,319.64					
100.00	100.00	87.25	87.25	3.28	3.29	97.83	-724.38	5,269.95	5,319.52	5,312.94	6.57	809.631		
200.00	200.00	187.51	187.51	3.34	3.34	97.82	-724.17	5,269.80	5,319.33	5,312.65	6.68	796.300		
232.61	232.60	220.87	220.87	3.37	3.37	100.73	-724.02	5,269.75	5,319.30	5,312.56	6.74	789.173		
300.00	299.98	287.82	287.82	3.45	3.45	100.73	-723.62	5,269.65	5,319.44	5,312.54	6.90	771.063		
400.00	399.84	389.36	389.35	3.61	3.62	100.77	-723.32	5,269.54	5,320.27	5,313.05	7.22	736.870		
500.00	499.45	505.74	505.73	3.82	3.85	100.86	-723.52	5,268.94	5,321.40	5,313.74	7.66	694.612		
600.00	598.70	588.43	588.42	4.07	4.05	100.93	-723.73	5,268.53	5,323.28	5,315.18	8.10	657.083		
680.00	677.76	648.00	647.99	4.29	4.21	100.98	-723.26	5,268.58	5,325.60	5,317.12	8.48	628.212		
700.00	697.48	659.41	659.40	4.35	4.24	100.99	-723.10	5,268.63	5,326.29	5,317.72	8.57	621.731		
800.00	796.08	724.29	724.27	4.66	4.42	101.09	-721.69	5,269.23	5,330.13	5,321.08	9.06	588.358		
900.00	894.68	836.79	836.65	4.98	4.76	101.24	-717.08	5,270.94	5,334.33	5,324.60	9.73	548.040		
1,000.00	993.28	933.41	932.99	5.34	5.07	101.33	-709.94	5,272.68	5,338.33	5,327.92	10.41	513.051		
1,100.00	1,091.88	1,030.65	1,029.67	5.71	5.41	101.39	-699.78	5,274.94	5,342.39	5,331.27	11.12	480.501		
1,200.00	1,190.48	1,136.34	1,134.46	6.10	5.81	101.43	-686.36	5,277.68	5,346.38	5,334.48	11.90	449.247		
1,300.00	1,289.07	1,300.00	1,265.24	6.49	6.47	101.48	-669.35	5,280.79	5,350.13	5,337.18	12.95	413.041		
1,400.00	1,387.67	1,503.42	1,498.49	6.90	7.33	101.57	-639.69	5,282.70	5,352.57	5,338.35	14.22	376.420		
1,500.00	1,486.27	1,587.14	1,581.71	7.31	7.68	101.62	-630.46	5,282.23	5,353.69	5,338.70	14.99	357.114		
1,600.00	1,584.87	1,667.43	1,661.35	7.73	8.04	101.66	-620.32	5,282.15	5,355.04	5,339.28	15.77	339.666		
1,700.00	1,683.47	1,714.02	1,707.47	8.16	8.25	101.67	-613.80	5,282.51	5,357.06	5,340.66	16.40	326.620		
1,800.00	1,782.07	1,762.00	1,754.99	8.59	8.47	101.68	-607.17	5,283.38	5,360.10	5,343.05	17.05	314.405		
1,900.00	1,880.67	1,817.00	1,809.40	9.02	8.73	101.69	-599.27	5,284.92	5,364.05	5,346.31	17.74	302.438		
2,000.00	1,979.27	1,975.13	1,965.51	9.46	9.48	101.70	-574.51	5,289.38	5,367.81	5,348.88	18.93	283.554		
2,100.00	2,077.87	2,038.00	2,027.66	9.90	9.78	101.71	-565.19	5,291.19	5,371.63	5,351.96	19.67	273.081		
2,200.00	2,176.47	2,072.10	2,061.38	10.35	9.95	101.71	-560.32	5,292.47	5,376.31	5,356.04	20.27	265.230		
2,300.00	2,275.07	2,300.00	2,162.19	10.79	11.04	101.73	-546.21	5,296.73	5,381.71	5,359.90	21.81	246.742		
2,400.00	2,373.67	2,261.98	2,249.34	11.24	10.86	101.76	-534.46	5,299.96	5,386.72	5,364.65	22.07	244.059		
2,500.00	2,472.27	2,315.00	2,301.83	11.69	11.11	101.77	-527.44	5,302.51	5,392.68	5,369.92	22.77	236.859		
2,600.00	2,570.87	2,440.13	2,425.66	12.14	11.73	101.80	-510.31	5,308.03	5,398.25	5,374.42	23.83	226.512		
2,700.00	2,669.47	2,499.00	2,483.80	12.59	12.02	101.81	-501.72	5,311.32	5,404.70	5,380.14	24.57	219.994		
2,800.00	2,768.07	2,646.38	2,629.42	13.04	12.76	101.83	-480.38	5,319.17	5,411.31	5,385.55	25.76	210.035		
2,900.00	2,866.67	2,772.08	2,753.76	13.50	13.38	101.85	-462.73	5,324.37	5,416.63	5,389.78	26.85	201.754		
3,000.00	2,965.27	2,893.57	2,874.28	13.95	13.97	101.90	-448.00	5,328.47	5,421.50	5,393.61	27.89	194.379		
3,100.00	3,063.87	3,036.48	3,016.69	14.41	14.62	102.02	-436.78	5,331.92	5,426.24	5,397.25	29.00	187.136		
3,200.00	3,162.47	3,131.51	3,111.63	14.87	15.01	102.15	-433.26	5,332.88	5,430.19	5,400.34	29.85	181.935		
3,300.00	3,261.07	3,216.84	3,196.97	15.32	15.33	102.30	-433.37	5,333.41	5,434.41	5,403.78	30.62	177.460		
3,400.00	3,359.67	3,374.93	3,355.02	15.78	15.90	102.60	-436.28	5,333.19	5,438.21	5,406.56	31.65	171.820		
3,500.00	3,458.27	3,530.03	3,510.11	16.24	16.48	102.88	-437.54	5,331.74	5,441.18	5,408.49	32.69	166.458		
3,600.00	3,556.87	3,618.54	3,598.61	16.70	16.82	103.03	-437.39	5,330.32	5,443.38	5,409.89	33.49	162.538		
3,700.00	3,655.47	3,675.00	3,655.07	17.16	17.04	103.13	-437.17	5,330.02	5,446.52	5,412.35	34.17	159.399		
3,800.00	3,754.06	3,791.67	3,771.73	17.62	17.51	103.32	-436.57	5,329.72	5,450.07	5,414.97	35.10	155.293		
3,900.00	3,852.66	3,915.60	3,895.66	18.08	18.00	103.53	-436.30	5,328.39	5,452.85	5,416.81	36.05	151.276		
4,000.00	3,951.26	4,007.51	3,987.56	18.54	18.36	103.69	-435.98	5,327.36	5,455.65	5,418.78	36.87	147.968		
4,100.00	4,049.86	4,094.53	4,074.58	19.01	18.71	103.84	-435.90	5,326.50	5,458.67	5,421.00	37.67	144.895		
4,200.00	4,148.46	4,170.51	4,150.56	19.47	19.00	103.97	-436.30	5,325.88	5,462.03	5,423.60	38.43	142.139		
4,300.00	4,247.06	4,250.53	4,230.57	19.93	19.31	104.11	-436.85	5,325.57	5,465.88	5,426.68	39.20	139.453		
4,400.00	4,345.66	4,335.96	4,316.00	20.39	19.64	104.26	-437.07	5,325.51	5,470.00	5,430.01	39.99	136.798		
4,500.00	4,444.26	4,422.56	4,402.60	20.86	19.98	104.41	-437.18	5,325.73	5,474.46	5,433.67	40.78	134.231		
4,600.00	4,542.86	4,521.22	4,501.26	21.32	20.37	104.58	-437.32	5,326.04	5,479.03	5,437.39	41.63	131.601		
4,700.00	4,641.46	4,597.21	4,577.25	21.78	20.67	104.70	-437.29	5,326.38	5,483.76	5,441.36	42.39	129.351		
4,800.00	4,740.06	4,656.00	4,636.03	22.25	20.91	104.79	-436.78	5,327.17	5,489.21	5,446.12	43.09	127.404		
4,900.00	4,838.66	4,808.73	4,788.70	22.71	21.56	105.01	-433.29	5,329.83	5,494.90	5,450.69	44.20	124.306		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,878.25	4,858.19	23.18	21.85	105.11	-431.37	5,330.61	5,499.87	5,454.92	44.95	122.349		
5,100.00	5,035.86	4,935.49	4,915.41	23.64	22.08	105.20	-431.07	5,331.57	5,505.78	5,460.14	45.64	120.640		
5,200.00	5,134.46	5,123.58	5,103.44	24.11	22.82	105.55	-435.36	5,332.30	5,511.09	5,464.23	46.85	117.622		
5,300.00	5,233.06	5,240.67	5,220.51	24.57	23.27	105.77	-437.65	5,331.68	5,515.56	5,467.79	47.78	115.443		
5,400.00	5,331.66	5,377.08	5,356.89	25.04	23.81	106.03	-440.22	5,330.46	5,519.77	5,470.99	48.78	113.151		
5,500.00	5,430.26	5,475.52	5,455.31	25.50	24.20	106.21	-441.41	5,329.29	5,523.58	5,473.94	49.64	111.276		
5,600.00	5,528.86	5,548.00	5,527.79	25.97	24.50	106.34	-442.23	5,328.52	5,527.57	5,477.18	50.39	109.700		
5,700.00	5,627.46	5,599.13	5,578.91	26.43	24.70	106.43	-443.08	5,328.25	5,532.30	5,481.25	51.04	108.382		
5,800.00	5,726.06	5,650.34	5,630.10	26.90	24.90	106.53	-444.34	5,328.47	5,538.05	5,486.35	51.70	107.126		
5,900.00	5,824.66	5,760.51	5,740.22	27.36	25.34	106.74	-447.49	5,329.16	5,544.21	5,491.61	52.60	105.405		
6,000.00	5,923.26	5,987.95	5,967.57	27.83	26.25	107.18	-453.62	5,327.91	5,549.50	5,495.51	54.00	102.774		
6,100.00	6,021.86	6,089.05	6,068.65	28.30	26.66	107.37	-455.13	5,326.18	5,553.23	5,498.36	54.87	101.205		
6,200.00	6,120.46	6,159.94	6,139.52	28.76	26.95	107.49	-455.90	5,325.26	5,557.28	5,501.66	55.62	99.914		
6,300.00	6,219.06	6,262.00	6,241.57	29.23	27.37	107.67	-456.78	5,324.02	5,561.42	5,504.92	56.50	98.427		
6,405.66	6,323.24	6,321.94	6,301.50	29.72	27.61	107.78	-457.52	5,323.41	5,566.26	5,509.03	57.23	97.264		
6,450.00	6,366.93	6,351.00	6,330.56	29.93	27.73	85.14	-457.78	5,323.43	5,567.17	5,509.62	57.55	96.741		
6,500.00	6,415.96	6,369.31	6,348.87	30.15	27.80	65.83	-457.91	5,323.52	5,564.81	5,506.97	57.84	96.211		
6,550.00	6,464.44	6,399.59	6,379.16	30.37	27.93	53.65	-458.09	5,323.77	5,558.88	5,500.71	58.18	95.552		
6,600.00	6,512.08	6,429.44	6,409.00	30.58	28.05	46.10	-458.23	5,324.13	5,549.41	5,490.91	58.50	94.856		
6,650.00	6,558.58	6,441.00	6,420.56	30.78	28.10	41.25	-458.27	5,324.30	5,536.48	5,477.75	58.74	94.257		
6,700.00	6,603.65	6,441.00	6,420.56	30.97	28.10	38.05	-458.27	5,324.30	5,520.35	5,461.44	58.91	93.711		
6,750.00	6,647.02	6,441.00	6,420.56	31.15	28.10	35.97	-458.27	5,324.30	5,501.11	5,442.04	59.07	93.134		
6,800.00	6,688.42	6,480.78	6,460.32	31.31	28.27	34.83	-458.26	5,325.40	5,478.26	5,418.85	59.41	92.218		
6,850.00	6,727.59	6,490.93	6,470.46	31.46	28.31	34.21	-458.22	5,325.84	5,452.73	5,393.13	59.59	91.497		
6,900.00	6,764.29	6,530.00	6,509.46	31.60	28.47	34.26	-457.87	5,328.12	5,424.65	5,364.73	59.92	90.538		
6,950.00	6,798.30	6,530.00	6,509.46	31.73	28.47	34.61	-457.87	5,328.12	5,393.37	5,333.33	60.04	89.829		
7,000.00	6,829.41	6,530.00	6,509.46	31.84	28.47	35.44	-457.87	5,328.12	5,359.59	5,299.43	60.16	89.092		
7,050.00	6,857.42	6,530.00	6,509.46	32.03	28.47	36.78	-457.87	5,328.12	5,323.48	5,263.21	60.27	88.326		
7,100.00	6,882.16	6,530.00	6,509.46	32.36	28.47	38.69	-457.87	5,328.12	5,285.21	5,224.83	60.38	87.534		
7,150.00	6,903.48	6,530.00	6,509.46	32.73	28.47	41.29	-457.87	5,328.12	5,244.97	5,184.49	60.49	86.714		
7,200.00	6,921.25	6,530.00	6,509.46	33.15	28.47	44.75	-457.87	5,328.12	5,202.98	5,142.39	60.59	85.870		
7,250.00	6,935.36	6,530.00	6,509.46	33.61	28.47	49.32	-457.87	5,328.12	5,159.44	5,098.75	60.70	85.003		
7,300.00	6,945.72	6,530.00	6,509.46	34.11	28.47	55.33	-457.87	5,328.12	5,114.60	5,053.79	60.80	84.115		
7,350.00	6,952.26	6,530.00	6,509.46	34.65	28.47	63.16	-457.87	5,328.12	5,068.69	5,007.78	60.92	83.209		
7,403.14	6,955.00	6,530.00	6,509.46	35.26	28.47	73.87	-457.87	5,328.12	5,019.03	4,957.99	61.04	82.229		
7,500.00	6,955.99	6,530.00	6,509.46	36.49	28.47	73.87	-457.87	5,328.12	4,927.98	4,866.70	61.28	80.421		
7,600.00	6,957.03	6,530.00	6,509.46	37.93	28.47	73.87	-457.87	5,328.12	4,834.21	4,772.65	61.56	78.524		
7,700.00	6,958.06	6,530.00	6,509.46	39.52	28.47	73.87	-457.87	5,328.12	4,740.70	4,678.80	61.89	76.594		
7,800.00	6,959.09	6,530.00	6,509.46	41.25	28.47	73.87	-457.87	5,328.12	4,647.45	4,585.18	62.27	74.631		
7,900.00	6,960.12	6,530.00	6,509.46	43.09	28.47	73.87	-457.87	5,328.12	4,554.50	4,491.80	62.70	72.638		
8,000.00	6,961.15	6,530.00	6,509.46	45.04	28.47	73.87	-457.87	5,328.12	4,461.85	4,398.66	63.19	70.615		
8,100.00	6,962.18	6,530.00	6,509.46	47.08	28.47	73.87	-457.87	5,328.12	4,369.52	4,305.79	63.73	68.564		
8,200.00	6,963.21	6,530.00	6,509.46	49.20	28.47	73.87	-457.87	5,328.12	4,277.54	4,213.21	64.33	66.489		
8,300.00	6,964.24	6,530.00	6,509.46	51.39	28.47	73.87	-457.87	5,328.12	4,185.93	4,120.92	65.01	64.391		
8,400.00	6,965.27	6,530.00	6,509.46	53.64	28.47	73.87	-457.87	5,328.12	4,094.71	4,028.95	65.75	62.275		
8,500.00	6,966.30	6,565.48	6,544.78	55.95	28.62	75.02	-457.39	5,331.41	4,003.04	3,936.25	66.79	59.937		
8,600.00	6,967.33	6,567.81	6,547.10	58.30	28.63	75.09	-457.35	5,331.68	3,912.57	3,844.87	67.71	57.788		
8,700.00	6,968.37	6,570.26	6,549.53	60.70	28.64	75.17	-457.32	5,331.97	3,822.57	3,753.86	68.71	55.633		
8,800.00	6,969.40	6,572.82	6,552.07	63.14	28.65	75.26	-457.28	5,332.29	3,733.06	3,663.26	69.81	53.477		
8,900.00	6,970.43	6,575.51	6,554.74	65.60	28.66	75.34	-457.23	5,332.62	3,644.10	3,573.09	71.00	51.324		
9,000.00	6,971.46	6,578.34	6,557.55	68.10	28.68	75.43	-457.19	5,332.99	3,555.70	3,483.40	72.30	49.180		
9,100.00	6,972.49	6,581.32	6,560.50	70.63	28.69	75.53	-457.14	5,333.38	3,467.93	3,394.23	73.71	47.051		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,200.00	6,973.52	6,584.46	6,563.61	73.18	28.70	75.63	-457.09	5,333.81	3,380.82	3,305.60	75.23	44.942		
9,300.00	6,974.55	6,619.00	6,597.70	75.75	28.85	76.76	-456.47	5,339.33	3,295.10	3,218.04	77.06	42.760		
9,400.00	6,975.58	6,619.00	6,597.70	78.34	28.85	76.76	-456.47	5,339.33	3,209.34	3,130.53	78.81	40.722		
9,500.00	6,976.61	6,619.00	6,597.70	80.94	28.85	76.76	-456.47	5,339.33	3,124.43	3,043.74	80.69	38.720		
9,600.00	6,977.64	6,619.00	6,597.70	83.56	28.85	76.76	-456.47	5,339.33	3,040.44	2,957.73	82.71	36.759		
9,700.00	6,978.68	6,619.00	6,597.70	86.20	28.85	76.76	-456.47	5,339.33	2,957.45	2,872.57	84.88	34.842		
9,800.00	6,979.71	6,619.00	6,597.70	88.85	28.85	76.76	-456.47	5,339.33	2,875.53	2,788.33	87.20	32.976		
9,900.00	6,980.74	6,619.00	6,597.70	91.51	28.85	76.76	-456.47	5,339.33	2,794.80	2,705.12	89.68	31.164		
10,000.00	6,981.77	6,619.00	6,597.70	94.19	28.85	76.76	-456.47	5,339.33	2,715.35	2,623.02	92.33	29.411		
10,100.00	6,982.80	6,619.00	6,597.70	96.87	28.85	76.76	-456.47	5,339.33	2,637.29	2,542.15	95.14	27.720		
10,200.00	6,983.83	6,619.00	6,597.70	99.56	28.85	76.76	-456.47	5,339.33	2,560.76	2,462.63	98.14	26.094		
10,300.00	6,984.86	6,619.00	6,597.70	102.27	28.85	76.76	-456.47	5,339.33	2,485.90	2,384.59	101.31	24.537		
10,400.00	6,985.89	6,619.00	6,597.70	104.98	28.85	76.76	-456.47	5,339.33	2,412.86	2,308.19	104.68	23.051		
10,500.00	6,986.92	6,648.40	6,626.57	107.69	28.97	77.72	-456.24	5,344.85	2,341.26	2,232.79	108.47	21.584		
10,600.00	6,987.95	6,655.20	6,633.24	110.41	29.00	77.95	-456.28	5,346.19	2,272.09	2,159.81	112.28	20.236		
10,700.00	6,988.99	6,662.21	6,640.10	113.14	29.03	78.18	-456.37	5,347.58	2,205.22	2,088.94	116.28	18.964		
10,800.00	6,990.02	6,669.42	6,647.17	115.88	29.06	78.42	-456.49	5,349.04	2,140.87	2,020.39	120.47	17.770		
10,900.00	6,991.05	6,676.85	6,654.43	118.62	29.09	78.66	-456.67	5,350.57	2,079.26	1,954.41	124.84	16.655		
11,000.00	6,992.08	6,708.00	6,684.84	121.37	29.22	79.70	-457.87	5,357.23	2,021.03	1,891.41	129.62	15.592		
11,100.00	6,993.11	6,708.00	6,684.84	124.12	29.22	79.70	-457.87	5,357.23	1,965.45	1,831.23	134.22	14.643		
11,200.00	6,994.14	6,708.00	6,684.84	126.87	29.22	79.70	-457.87	5,357.23	1,913.49	1,774.56	138.93	13.773		
11,300.00	6,995.17	6,708.00	6,684.84	129.63	29.22	79.70	-457.87	5,357.23	1,865.45	1,721.76	143.69	12.983		
11,400.00	6,996.20	6,708.00	6,684.84	132.39	29.22	79.70	-457.87	5,357.23	1,821.63	1,673.17	148.47	12.270		
11,500.00	6,997.23	6,733.27	6,709.38	135.16	29.32	80.54	-459.19	5,363.13	1,782.01	1,628.45	153.56	11.605		
11,600.00	6,998.26	6,747.26	6,722.89	137.93	29.38	81.01	-459.95	5,366.67	1,747.12	1,588.69	158.42	11.028		
11,700.00	6,999.30	6,762.84	6,737.88	140.70	29.44	81.53	-460.83	5,370.83	1,717.12	1,553.95	163.16	10.524		
11,800.00	7,000.33	6,780.28	6,754.58	143.48	29.51	82.10	-461.83	5,375.77	1,692.22	1,524.51	167.72	10.090		
11,900.00	7,001.36	6,797.00	6,770.49	146.26	29.58	82.65	-462.83	5,380.79	1,672.62	1,500.63	171.99	9.725		
12,000.00	7,002.39	6,826.01	6,797.80	149.04	29.70	83.60	-464.53	5,390.41	1,658.37	1,482.26	176.10	9.417		
12,100.00	7,003.42	6,859.45	6,828.64	151.82	29.83	84.67	-466.35	5,403.19	1,649.41	1,469.51	179.90	9.169		
12,200.00	7,004.45	6,915.93	6,878.84	154.61	30.07	86.41	-468.98	5,428.89	1,645.44	1,461.82	183.62	8.961		
12,300.00	7,005.48	7,132.65	7,041.44	157.40	31.27	92.03	-463.78	5,570.50	1,641.35	1,452.82	188.54	8.706		
12,400.00	7,006.51	7,258.65	7,118.75	160.19	32.34	94.72	-453.77	5,669.35	1,637.17	1,444.96	192.22	8.517		
12,500.00	7,007.54	7,348.08	7,161.69	162.98	33.36	96.21	-445.63	5,747.27	1,633.29	1,437.52	195.77	8.343		
12,600.00	7,008.57	7,414.03	7,184.64	165.78	34.21	97.00	-440.97	5,808.86	1,631.27	1,432.09	199.17	8.190		
12,631.87	7,008.90	7,431.82	7,189.48	166.67	34.45	97.17	-440.07	5,825.96	1,631.11	1,430.89	200.22	8.146 CC		
12,700.00	7,009.61	7,466.00	7,197.85	168.58	34.95	97.45	-438.96	5,859.08	1,631.84	1,429.45	202.39	8.063		
12,800.00	7,010.64	7,541.23	7,212.66	171.38	36.14	97.94	-438.21	5,932.82	1,634.73	1,428.69	206.04	7.934		
12,900.00	7,011.67	7,657.59	7,226.60	174.18	38.21	98.37	-439.06	6,048.29	1,638.41	1,427.57	210.84	7.771		
13,000.00	7,012.70	7,782.75	7,232.30	176.98	40.69	98.51	-439.22	6,173.30	1,640.38	1,424.22	216.16	7.589		
13,100.00	7,013.73	7,898.17	7,234.50	179.78	43.20	98.54	-438.35	6,288.69	1,641.08	1,419.60	221.48	7.410		
13,200.00	7,014.76	8,014.10	7,232.46	182.59	45.90	98.43	-437.11	6,404.60	1,640.94	1,413.91	227.03	7.228		
13,255.97	7,015.34	8,059.21	7,231.08	184.16	47.00	98.37	-436.59	6,449.68	1,640.73	1,411.05	229.68	7.144		
13,300.00	7,015.79	8,093.39	7,230.21	185.39	47.84	98.32	-436.42	6,483.85	1,640.86	1,409.14	231.72	7.081		
13,400.00	7,016.82	8,183.30	7,229.25	188.20	50.12	98.25	-436.38	6,573.75	1,641.84	1,405.10	236.75	6.935		
13,500.00	7,017.85	8,250.72	7,229.36	191.01	51.87	98.23	-436.94	6,641.16	1,643.93	1,402.84	241.09	6.819		
13,600.00	7,018.88	8,335.85	7,228.36	193.82	54.14	98.14	-439.61	6,726.24	1,647.98	1,401.94	246.04	6.698		
13,700.00	7,019.91	8,423.58	7,228.95	196.63	56.53	98.11	-442.13	6,813.94	1,652.15	1,401.05	251.10	6.580		
13,800.00	7,020.95	8,527.35	7,229.08	199.44	59.41	98.05	-446.36	6,917.62	1,657.41	1,400.59	256.82	6.454		
13,900.00	7,021.98	8,674.04	7,229.38	202.26	63.59	97.99	-449.14	7,064.27	1,660.45	1,396.30	264.15	6.286		
14,000.00	7,023.01	8,807.64	7,226.50	205.07	67.48	97.83	-449.15	7,197.84	1,661.40	1,390.38	271.02	6.130		
14,100.00	7,024.04	8,972.16	7,223.92	207.89	72.35	97.71	-442.67	7,362.19	1,657.99	1,379.30	278.69	5.949		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,025.07	9,060.70	7,221.93	210.70	75.00	97.62	-438.46	7,450.61	1,654.17	1,369.98	284.18	5.821		
14,300.00	7,026.10	9,148.64	7,220.90	213.52	77.66	97.57	-434.83	7,538.47	1,651.12	1,361.47	289.66	5.700		
14,400.00	7,027.13	9,211.52	7,220.59	216.34	79.57	97.54	-432.87	7,601.32	1,649.30	1,354.96	294.34	5.603		
14,414.99	7,027.29	9,219.13	7,220.50	216.76	79.80	97.53	-432.77	7,608.92	1,649.27	1,354.30	294.97	5.591		
14,500.00	7,028.16	9,266.00	7,219.63	219.16	81.23	97.48	-432.97	7,655.78	1,650.36	1,351.77	298.59	5.527		
14,600.00	7,029.19	9,355.83	7,217.99	221.98	83.99	97.38	-434.68	7,745.58	1,653.18	1,349.08	304.10	5.436		
14,700.00	7,030.22	9,438.35	7,216.71	224.80	86.54	97.29	-436.72	7,828.07	1,656.64	1,347.32	309.32	5.356		
14,800.00	7,031.26	9,564.63	7,214.85	227.62	90.46	97.17	-439.12	7,954.31	1,659.47	1,343.15	316.32	5.246		
14,900.00	7,032.29	9,668.32	7,214.40	230.44	93.70	97.10	-440.70	8,057.98	1,662.15	1,339.74	322.41	5.155		
15,000.00	7,033.32	9,764.18	7,215.42	233.26	96.71	97.10	-441.18	8,153.83	1,664.00	1,335.83	328.17	5.070		
15,100.00	7,034.35	9,854.84	7,215.68	236.09	99.57	97.06	-442.75	8,244.48	1,666.94	1,333.18	333.76	4.994		
15,200.00	7,035.38	9,977.78	7,214.48	238.91	103.46	96.96	-444.41	8,367.39	1,669.41	1,328.75	340.66	4.901		
15,300.00	7,036.41	10,076.38	7,215.27	241.74	106.59	96.95	-444.74	8,466.00	1,671.04	1,324.47	346.57	4.822		
15,400.00	7,037.44	10,152.40	7,216.13	244.56	109.01	96.94	-445.60	8,542.00	1,673.50	1,321.90	351.60	4.760		
15,500.00	7,038.47	10,248.94	7,217.54	247.39	112.09	96.95	-447.43	8,638.52	1,676.76	1,319.32	357.44	4.691		
15,600.00	7,039.50	10,324.37	7,217.96	250.21	114.50	96.92	-449.55	8,713.91	1,680.83	1,318.44	362.39	4.638		
15,700.00	7,040.53	10,391.79	7,217.11	253.04	116.66	96.85	-452.69	8,781.25	1,686.54	1,319.63	366.90	4.597		
15,800.00	7,041.57	10,581.82	7,214.57	255.87	122.76	96.66	-459.34	8,971.10	1,691.51	1,314.61	376.90	4.488		
15,900.00	7,042.60	10,724.33	7,216.82	258.70	127.35	96.69	-457.08	9,113.57	1,691.20	1,306.82	384.38	4.400		
16,000.00	7,043.63	10,806.66	7,216.78	261.53	130.00	96.66	-455.34	9,195.87	1,690.36	1,300.54	389.82	4.336		
16,003.59	7,043.66	10,808.88	7,216.76	261.63	130.08	96.66	-455.31	9,198.09	1,690.36	1,300.37	389.99	4.334		
16,100.00	7,044.66	10,872.00	7,216.29	264.35	132.11	96.62	-455.33	9,261.21	1,691.42	1,296.82	394.59	4.286		
16,200.00	7,045.69	10,920.00	7,219.38	267.18	134.17	96.67	-450.90	9,438.29	1,689.77	1,121.21	568.56	2.972 ES, SF		
16,300.00	7,046.72	11,119.57	7,220.21	270.01	140.11	96.68	-448.30	9,508.60	1,687.63	1,279.31	408.32	4.133		
16,400.00	7,047.75	11,238.35	7,221.39	272.84	143.96	96.69	-445.41	9,627.33	1,686.61	1,271.67	414.94	4.065		
16,500.00	7,048.78	11,309.59	7,222.50	275.67	146.27	96.70	-443.62	9,698.54	1,685.51	1,265.47	420.04	4.013		
16,516.38	7,048.95	11,321.79	7,222.63	276.14	146.67	96.70	-443.44	9,710.74	1,685.49	1,264.61	420.88	4.005		
16,600.00	7,049.81	11,388.83	7,223.13	278.51	148.85	96.69	-442.90	9,777.78	1,685.90	1,260.56	425.34	3.964		
16,700.00	7,050.84	11,465.42	7,223.62	281.34	151.34	96.68	-443.17	9,854.36	1,687.55	1,257.07	430.49	3.920		
16,800.00	7,051.88	11,532.49	7,224.49	284.17	153.52	96.68	-444.41	9,921.41	1,690.80	1,255.69	435.11	3.886		
16,900.00	7,052.91	11,601.33	7,225.35	287.00	155.77	96.67	-447.27	9,990.19	1,696.21	1,256.53	439.68	3.858		
17,000.00	7,053.94	11,713.87	7,226.40	289.83	159.44	96.64	-452.48	10,102.60	1,702.15	1,255.76	446.39	3.813		
17,100.00	7,054.97	11,841.70	7,227.55	292.67	163.62	96.61	-456.64	10,230.36	1,706.69	1,252.91	453.78	3.761		
17,200.00	7,056.00	11,980.40	7,225.64	295.50	168.15	96.48	-458.25	10,369.01	1,708.75	1,247.21	461.54	3.702		
17,300.00	7,057.03	12,005.00	7,224.78	298.33	168.96	96.44	-458.42	10,393.59	1,711.91	1,247.63	464.28	3.687		
17,400.00	7,058.06	12,005.00	7,224.78	301.17	168.96	96.44	-458.42	10,393.59	1,720.71	1,256.17	464.54	3.704		
17,500.00	7,059.09	12,005.00	7,224.78	304.00	168.96	96.44	-458.42	10,393.59	1,735.24	1,271.94	463.30	3.745		
17,600.00	7,060.12	12,005.00	7,224.78	306.84	168.96	96.44	-458.42	10,393.59	1,755.36	1,294.71	460.64	3.811		
17,685.09	7,061.00	12,005.00	7,224.78	309.25	168.96	96.44	-458.42	10,393.59	1,776.73	1,319.36	457.36	3.885		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.97	-732.41	5,230.79	5,281.86					
100.00	100.00	129.57	129.57	3.28	3.29	97.98	-732.72	5,230.09	5,281.43	5,274.85	6.58	802.953		
200.00	200.00	228.99	228.98	3.34	3.34	97.98	-733.04	5,228.88	5,280.27	5,273.59	6.68	790.991		
281.03	281.02	286.25	286.23	3.42	3.39	100.89	-732.54	5,228.50	5,279.85	5,273.04	6.81	775.012		
300.00	299.98	298.15	298.13	3.45	3.41	100.89	-732.35	5,228.47	5,279.88	5,273.03	6.85	770.743		
400.00	399.84	364.00	363.96	3.61	3.49	100.89	-730.72	5,228.67	5,280.82	5,273.73	7.09	744.308		
500.00	499.45	439.03	438.91	3.82	3.62	100.89	-727.41	5,229.54	5,282.99	5,275.57	7.42	711.683		
600.00	598.70	521.17	520.86	4.07	3.78	100.87	-722.09	5,231.03	5,286.19	5,278.36	7.83	674.736		
680.00	677.76	605.27	604.70	4.29	3.98	100.87	-715.74	5,232.85	5,289.39	5,281.14	8.26	640.588		
700.00	697.48	630.09	629.44	4.35	4.05	100.90	-713.77	5,233.36	5,290.21	5,281.83	8.38	631.267		
800.00	796.08	716.02	715.05	4.66	4.29	100.97	-706.56	5,235.20	5,294.35	5,285.42	8.93	592.614		
900.00	894.68	813.15	811.72	4.98	4.59	101.04	-697.48	5,237.67	5,298.76	5,289.19	9.57	553.493		
1,000.00	993.28	939.97	937.71	5.34	5.04	101.11	-683.41	5,240.90	5,302.93	5,292.56	10.37	511.422		
1,100.00	1,091.88	1,053.25	1,050.16	5.71	5.47	101.16	-669.92	5,243.54	5,306.78	5,295.61	11.17	475.046		
1,200.00	1,190.48	1,210.63	1,206.25	6.10	6.10	101.23	-650.03	5,246.11	5,309.79	5,297.60	12.19	435.456		
1,300.00	1,289.07	1,275.11	1,270.18	6.49	6.37	101.25	-641.74	5,247.15	5,312.74	5,299.88	12.86	413.050		
1,400.00	1,387.67	1,626.13	1,618.46	6.90	7.91	101.41	-598.53	5,246.41	5,315.04	5,300.25	14.80	359.239		
1,500.00	1,486.27	1,736.04	1,727.76	7.31	8.38	101.49	-587.67	5,242.55	5,313.41	5,297.73	15.68	338.800		
1,600.00	1,584.87	1,761.00	1,752.58	7.73	8.49	101.51	-585.14	5,241.66	5,312.26	5,296.05	16.21	327.623		
1,657.09	1,641.16	1,804.12	1,795.47	7.98	8.68	101.55	-580.86	5,240.49	5,311.88	5,295.23	16.65	319.122		
1,700.00	1,683.47	1,818.05	1,809.33	8.16	8.74	101.56	-579.52	5,240.26	5,312.00	5,295.11	16.89	314.508		
1,800.00	1,782.07	1,853.00	1,844.13	8.59	8.89	101.58	-576.28	5,240.00	5,313.18	5,295.71	17.47	304.079		
1,900.00	1,880.67	1,927.05	1,917.81	9.02	9.23	101.64	-568.85	5,240.18	5,315.25	5,297.01	18.24	291.447		
2,000.00	1,979.27	2,163.21	2,152.49	9.46	10.31	101.78	-542.82	5,238.18	5,315.97	5,296.22	19.75	269.172		
2,022.79	2,001.75	2,170.54	2,159.78	9.56	10.34	101.78	-541.96	5,238.05	5,315.94	5,296.06	19.88	267.347		
2,100.00	2,077.87	2,222.00	2,210.88	9.90	10.58	101.81	-535.91	5,237.75	5,316.53	5,296.06	20.46	259.807		
2,200.00	2,176.47	2,273.25	2,261.79	10.35	10.82	101.84	-530.10	5,237.78	5,317.87	5,296.73	21.14	251.523		
2,300.00	2,275.07	2,431.07	2,418.66	10.79	11.55	101.94	-512.90	5,236.08	5,318.45	5,296.13	22.32	238.314		
2,400.00	2,373.67	2,498.00	2,485.18	11.24	11.86	101.98	-505.55	5,235.17	5,318.92	5,295.85	23.08	230.496		
2,500.00	2,472.27	2,565.36	2,552.13	11.69	12.18	102.02	-498.17	5,234.67	5,320.02	5,296.18	23.84	223.164		
2,600.00	2,570.87	2,677.71	2,663.70	12.14	12.71	102.08	-484.96	5,234.73	5,321.72	5,296.89	24.82	214.403		
2,700.00	2,669.47	2,821.45	2,806.41	12.59	13.40	102.15	-467.79	5,233.73	5,322.62	5,296.67	25.96	205.060		
2,800.00	2,768.07	2,945.72	2,929.89	13.04	13.99	102.22	-453.87	5,231.86	5,322.86	5,295.87	26.99	197.185		
2,900.00	2,866.67	3,016.69	3,000.42	13.50	14.33	102.27	-446.11	5,230.78	5,323.14	5,295.36	27.78	191.586		
3,000.00	2,965.27	3,100.76	3,083.90	13.95	14.73	102.31	-436.20	5,230.12	5,323.99	5,295.35	28.64	185.899		
3,100.00	3,063.87	3,165.94	3,148.68	14.41	15.04	102.35	-429.02	5,229.64	5,325.10	5,295.70	29.40	181.095		
3,200.00	3,162.47	3,226.00	3,208.34	14.87	15.33	102.38	-422.09	5,229.98	5,327.23	5,297.08	30.15	176.714		
3,300.00	3,261.07	3,313.34	3,295.12	15.32	15.75	102.43	-412.30	5,230.87	5,329.94	5,298.92	31.02	171.828		
3,400.00	3,359.67	3,416.57	3,397.85	15.78	16.23	102.50	-402.10	5,231.38	5,332.39	5,300.43	31.96	166.848		
3,500.00	3,458.27	3,481.80	3,462.76	16.24	16.54	102.55	-395.72	5,231.93	5,335.22	5,302.50	32.72	163.062		
3,600.00	3,556.87	3,632.06	3,612.15	16.70	17.25	102.64	-379.63	5,233.29	5,338.00	5,304.10	33.89	157.490		
3,700.00	3,655.47	3,701.59	3,681.34	17.16	17.58	102.69	-372.80	5,233.43	5,340.29	5,305.61	34.68	153.988		
3,800.00	3,754.06	3,762.00	3,741.38	17.62	17.87	102.72	-366.22	5,234.55	5,343.75	5,308.32	35.42	150.862		
3,900.00	3,852.66	3,812.52	3,791.52	18.08	18.11	102.74	-360.24	5,235.99	5,347.99	5,311.87	36.12	148.067		
4,000.00	3,951.26	3,960.09	3,937.91	18.54	18.84	102.80	-341.96	5,239.74	5,352.09	5,314.78	37.31	143.436		
4,100.00	4,049.86	4,080.68	4,057.57	19.01	19.43	102.85	-327.21	5,241.84	5,355.40	5,317.03	38.37	139.586		
4,200.00	4,148.46	4,222.00	4,198.18	19.47	20.10	102.95	-313.16	5,243.08	5,358.31	5,318.81	39.50	135.650		
4,300.00	4,247.06	4,288.19	4,264.03	19.93	20.41	102.99	-306.44	5,243.65	5,361.12	5,320.85	40.27	133.120		
4,400.00	4,345.66	4,347.62	4,323.13	20.39	20.69	103.03	-300.23	5,244.54	5,364.53	5,323.51	41.01	130.802		
4,500.00	4,444.26	4,455.49	4,430.37	20.86	21.21	103.09	-288.83	5,246.83	5,368.57	5,326.58	41.99	127.854		
4,600.00	4,542.86	4,635.08	4,609.36	21.32	22.03	103.25	-274.25	5,248.13	5,371.78	5,328.50	43.29	124.102		
4,700.00	4,641.46	4,730.12	4,704.09	21.78	22.47	103.34	-266.68	5,247.82	5,373.89	5,329.71	44.18	121.639		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.00	4,740.06	4,790.70	4,764.51	22.25	22.74	103.39	-262.12	5,247.87	5,376.51	5,331.59	44.91	119.705		
4,900.00	4,838.66	4,869.78	4,843.24	22.71	23.11	103.45	-254.88	5,248.83	5,379.87	5,334.13	45.74	117.616		
5,000.00	4,937.26	4,984.19	4,957.16	23.18	23.65	103.54	-244.31	5,249.99	5,383.08	5,336.33	46.74	115.167		
5,100.00	5,035.86	5,235.35	5,207.92	23.64	24.71	103.86	-232.99	5,247.01	5,385.34	5,337.07	48.27	111.564		
5,200.00	5,134.46	5,307.75	5,280.28	24.11	24.99	103.98	-232.41	5,244.63	5,385.99	5,336.97	49.01	109.885		
5,300.00	5,233.06	5,388.66	5,361.16	24.57	25.30	104.13	-232.18	5,242.28	5,387.14	5,337.35	49.79	108.203		
5,400.00	5,331.66	5,478.84	5,451.30	25.04	25.65	104.28	-231.94	5,239.70	5,388.40	5,337.80	50.59	106.504		
5,500.00	5,430.26	5,547.00	5,519.44	25.50	25.91	104.41	-232.10	5,238.17	5,390.33	5,339.02	51.31	105.046		
5,600.00	5,528.86	5,613.18	5,585.61	25.97	26.16	104.52	-232.44	5,237.03	5,392.88	5,340.86	52.02	103.664		
5,700.00	5,627.46	5,707.04	5,679.46	26.43	26.51	104.69	-232.82	5,235.60	5,395.71	5,342.87	52.84	102.114		
5,800.00	5,726.06	5,837.41	5,809.80	26.90	27.01	104.93	-233.37	5,233.25	5,398.34	5,344.53	53.80	100.338		
5,900.00	5,824.66	5,934.23	5,906.59	27.36	27.38	105.11	-234.31	5,231.04	5,400.67	5,346.04	54.63	98.860		
6,000.00	5,923.26	5,992.00	5,964.34	27.83	27.59	105.22	-235.23	5,229.77	5,403.36	5,348.06	55.30	97.705		
6,100.00	6,021.86	6,047.90	6,020.23	28.30	27.81	105.32	-235.81	5,229.05	5,406.87	5,350.90	55.97	96.598		
6,200.00	6,120.46	6,082.00	6,054.33	28.76	27.94	105.38	-235.74	5,229.06	5,411.48	5,354.93	56.55	95.699		
6,300.00	6,219.06	6,127.20	6,099.52	29.23	28.12	105.45	-235.59	5,229.60	5,417.18	5,360.01	57.16	94.767		
6,405.66	6,323.24	6,171.00	6,143.31	29.72	28.29	105.53	-235.74	5,230.67	5,424.50	5,366.71	57.79	93.865		
6,450.00	6,366.93	6,238.11	6,210.40	29.93	28.55	82.93	-236.07	5,232.52	5,426.30	5,368.03	58.27	93.128		
6,500.00	6,415.96	6,260.00	6,232.28	30.15	28.63	63.61	-236.12	5,233.04	5,424.58	5,366.02	58.56	92.631		
6,550.00	6,464.44	6,260.00	6,232.28	30.37	28.63	51.32	-236.12	5,233.04	5,419.49	5,360.74	58.75	92.252		
6,600.00	6,512.08	6,260.00	6,232.28	30.58	28.63	43.64	-236.12	5,233.04	5,411.07	5,352.15	58.92	91.837		
6,650.00	6,558.58	6,260.00	6,232.28	30.78	28.63	38.68	-236.12	5,233.04	5,399.36	5,340.28	59.08	91.389		
6,700.00	6,603.65	6,260.00	6,232.28	30.97	28.63	35.39	-236.12	5,233.04	5,384.42	5,325.19	59.23	90.907		
6,750.00	6,647.02	6,260.00	6,232.28	31.15	28.63	33.18	-236.12	5,233.04	5,366.29	5,306.93	59.37	90.393		
6,800.00	6,688.42	6,260.00	6,232.28	31.31	28.63	31.75	-236.12	5,233.04	5,345.07	5,285.58	59.49	89.845		
6,850.00	6,727.59	6,260.00	6,232.28	31.46	28.63	30.89	-236.12	5,233.04	5,320.86	5,261.25	59.61	89.266		
6,900.00	6,764.29	6,260.00	6,232.28	31.60	28.63	30.52	-236.12	5,233.04	5,293.75	5,234.03	59.71	88.654		
6,950.00	6,798.30	6,260.00	6,232.28	31.73	28.63	30.57	-236.12	5,233.04	5,263.87	5,204.06	59.81	88.010		
7,000.00	6,829.41	6,301.34	6,273.52	31.84	28.79	31.28	-236.31	5,235.64	5,229.55	5,169.43	60.12	86.984		
7,050.00	6,857.42	6,304.25	6,276.42	32.03	28.80	32.22	-236.33	5,235.95	5,194.31	5,134.09	60.22	86.250		
7,100.00	6,882.16	6,306.92	6,279.07	32.36	28.81	33.66	-236.36	5,236.25	5,156.76	5,096.44	60.32	85.487		
7,150.00	6,903.48	6,309.34	6,281.48	32.73	28.82	35.68	-236.38	5,236.53	5,117.10	5,056.69	60.42	84.697		
7,200.00	6,921.25	6,349.00	6,320.63	33.15	28.97	38.89	-236.86	5,242.76	5,077.02	5,016.31	60.71	83.622		
7,250.00	6,935.36	6,349.00	6,320.63	33.61	28.97	42.70	-236.86	5,242.76	5,033.61	4,972.81	60.80	82.796		
7,300.00	6,945.72	6,349.00	6,320.63	34.11	28.97	47.83	-236.86	5,242.76	4,988.76	4,927.88	60.88	81.947		
7,350.00	6,952.26	6,349.00	6,320.63	34.65	28.97	54.80	-236.86	5,242.76	4,942.71	4,881.75	60.96	81.078		
7,403.14	6,955.00	6,349.00	6,320.63	35.26	28.97	64.90	-236.86	5,242.76	4,892.75	4,831.70	61.06	80.135		
7,500.00	6,955.99	6,349.00	6,320.63	36.49	28.97	64.90	-236.86	5,242.76	4,801.01	4,739.77	61.24	78.397		
7,600.00	6,957.03	6,349.00	6,320.63	37.93	28.97	64.90	-236.86	5,242.76	4,706.50	4,645.04	61.46	76.579		
7,700.00	6,958.06	6,349.00	6,320.63	39.52	28.97	64.90	-236.86	5,242.76	4,612.23	4,550.51	61.71	74.734		
7,800.00	6,959.09	6,349.00	6,320.63	41.25	28.97	64.90	-236.86	5,242.76	4,518.20	4,456.19	62.01	72.864		
7,900.00	6,960.12	6,349.00	6,320.63	43.09	28.97	64.90	-236.86	5,242.76	4,424.44	4,362.09	62.34	70.967		
8,000.00	6,961.15	6,349.00	6,320.63	45.04	28.97	64.90	-236.86	5,242.76	4,330.95	4,268.22	62.73	69.045		
8,100.00	6,962.18	6,349.00	6,320.63	47.08	28.97	64.90	-236.86	5,242.76	4,237.76	4,174.61	63.16	67.100		
8,200.00	6,963.21	6,349.00	6,320.63	49.20	28.97	64.90	-236.86	5,242.76	4,144.89	4,081.25	63.64	65.131		
8,300.00	6,964.24	6,349.00	6,320.63	51.39	28.97	64.90	-236.86	5,242.76	4,052.36	3,988.18	64.18	63.142		
8,400.00	6,965.27	6,349.00	6,320.63	53.64	28.97	64.90	-236.86	5,242.76	3,960.19	3,895.41	64.78	61.133		
8,500.00	6,966.30	6,349.00	6,320.63	55.95	28.97	64.90	-236.86	5,242.76	3,868.41	3,802.97	65.45	59.108		
8,600.00	6,967.33	6,349.00	6,320.63	58.30	28.97	64.90	-236.86	5,242.76	3,777.05	3,710.87	66.18	57.070		
8,700.00	6,968.37	6,349.00	6,320.63	60.70	28.97	64.90	-236.86	5,242.76	3,686.14	3,619.14	67.00	55.021		
8,800.00	6,969.40	6,349.00	6,320.63	63.14	28.97	64.90	-236.86	5,242.76	3,595.70	3,527.82	67.89	52.965		
8,900.00	6,970.43	6,349.00	6,320.63	65.60	28.97	64.90	-236.86	5,242.76	3,505.79	3,436.93	68.87	50.907		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,971.46	6,349.00	6,320.63	68.10	28.97	64.90	-236.86	5,242.76	3,416.44	3,346.51	69.94	48.850		
9,100.00	6,972.49	6,349.00	6,320.63	70.63	28.97	64.90	-236.86	5,242.76	3,327.70	3,256.59	71.11	46.799		
9,200.00	6,973.52	6,349.00	6,320.63	73.18	28.97	64.90	-236.86	5,242.76	3,239.61	3,167.23	72.38	44.760		
9,300.00	6,974.55	6,349.00	6,320.63	75.75	28.97	64.90	-236.86	5,242.76	3,152.23	3,078.47	73.76	42.736		
9,400.00	6,975.58	6,349.00	6,320.63	78.34	28.97	64.90	-236.86	5,242.76	3,065.63	2,990.37	75.26	40.734		
9,500.00	6,976.61	6,378.85	6,349.81	80.94	29.09	65.89	-237.15	5,249.05	2,979.37	2,902.23	77.13	38.626		
9,600.00	6,977.64	6,386.22	6,356.98	83.56	29.11	66.13	-237.18	5,250.74	2,894.24	2,815.28	78.96	36.655		
9,700.00	6,978.68	6,394.08	6,364.61	86.20	29.14	66.39	-237.19	5,252.61	2,810.03	2,729.10	80.93	34.721		
9,800.00	6,979.71	6,402.46	6,372.74	88.85	29.18	66.67	-237.18	5,254.66	2,726.81	2,643.75	83.06	32.830		
9,900.00	6,980.74	6,411.44	6,381.42	91.51	29.21	66.96	-237.14	5,256.95	2,644.67	2,559.31	85.35	30.985		
10,000.00	6,981.77	6,438.00	6,406.98	94.19	29.31	67.85	-236.88	5,264.17	2,563.85	2,475.89	87.96	29.147		
10,100.00	6,982.80	6,438.00	6,406.98	96.87	29.31	67.85	-236.88	5,264.17	2,484.02	2,393.50	90.53	27.439		
10,200.00	6,983.83	6,446.69	6,415.30	99.56	29.35	68.14	-236.73	5,266.67	2,405.68	2,312.33	93.35	25.770		
10,300.00	6,984.86	6,469.63	6,437.22	102.27	29.44	68.90	-236.20	5,273.43	2,328.76	2,232.27	96.50	24.133		
10,400.00	6,985.89	6,494.26	6,460.65	104.98	29.54	69.72	-235.37	5,280.95	2,253.33	2,153.47	99.86	22.566		
10,500.00	6,986.92	6,520.76	6,485.76	107.69	29.65	70.61	-234.17	5,289.36	2,179.50	2,076.06	103.44	21.070		
10,600.00	6,987.95	6,541.56	6,505.37	110.41	29.73	71.31	-233.03	5,296.22	2,107.44	2,000.24	107.19	19.660		
10,700.00	6,988.99	6,561.84	6,524.36	113.14	29.82	71.99	-231.76	5,303.22	2,037.40	1,926.24	111.16	18.328		
10,800.00	6,990.02	6,584.01	6,544.97	115.88	29.91	72.73	-230.20	5,311.22	1,969.56	1,854.20	115.36	17.073		
10,900.00	6,991.05	6,615.00	6,573.51	118.62	30.05	73.77	-227.72	5,323.04	1,904.11	1,784.28	119.83	15.890		
11,000.00	6,992.08	6,615.00	6,573.51	121.37	30.05	73.77	-227.72	5,323.04	1,841.34	1,717.04	124.30	14.814		
11,100.00	6,993.11	6,615.00	6,573.51	124.12	30.05	73.77	-227.72	5,323.04	1,781.97	1,653.04	128.94	13.821		
11,200.00	6,994.14	6,615.00	6,573.51	126.87	30.05	73.77	-227.72	5,323.04	1,726.36	1,592.65	133.71	12.911		
11,300.00	6,995.17	6,655.93	6,610.22	129.63	30.22	75.13	-224.57	5,340.81	1,673.03	1,534.02	139.01	12.035		
11,400.00	6,996.20	6,669.81	6,622.29	132.39	30.28	75.59	-223.67	5,347.60	1,624.69	1,480.55	144.14	11.271		
11,500.00	6,997.23	6,704.00	6,651.11	135.16	30.43	76.68	-221.81	5,365.91	1,581.09	1,431.62	149.47	10.578		
11,600.00	6,998.26	6,704.00	6,651.11	137.93	30.43	76.68	-221.81	5,365.91	1,541.43	1,386.93	154.50	9.977		
11,700.00	6,999.30	6,731.20	6,673.12	140.70	30.55	77.52	-220.54	5,381.82	1,506.88	1,347.21	159.68	9.437		
11,800.00	7,000.33	6,764.43	6,699.04	143.48	30.69	78.52	-219.00	5,402.56	1,477.02	1,312.26	164.76	8.965		
11,900.00	7,001.36	6,805.63	6,729.62	146.26	30.89	79.72	-217.13	5,430.09	1,451.82	1,282.10	169.72	8.554		
12,000.00	7,002.39	6,862.76	6,770.79	149.04	31.18	81.34	-214.66	5,469.63	1,430.72	1,256.05	174.66	8.191		
12,100.00	7,003.42	6,919.25	6,810.40	151.82	31.52	82.92	-212.36	5,509.83	1,413.51	1,234.12	179.39	7.880		
12,200.00	7,004.45	6,980.10	6,850.99	154.61	31.95	84.55	-210.04	5,555.09	1,400.23	1,216.34	183.89	7.614		
12,300.00	7,005.48	7,061.90	6,901.14	157.40	32.64	86.58	-206.36	5,619.58	1,390.05	1,201.64	188.41	7.378		
12,400.00	7,006.51	7,100.96	6,923.28	160.19	33.04	87.48	-204.93	5,651.73	1,383.45	1,191.33	192.12	7.201		
12,499.66	7,007.54	7,150.00	6,949.69	162.97	33.56	88.55	-204.71	5,693.04	1,381.66	1,186.05	195.62	7.063 CC		
12,500.00	7,007.54	7,150.00	6,949.69	162.98	33.56	88.55	-204.71	5,693.04	1,381.66	1,186.04	195.63	7.063		
12,600.00	7,008.57	7,209.48	6,978.95	165.78	34.28	89.75	-205.73	5,744.80	1,383.80	1,184.69	199.11	6.950		
12,700.00	7,009.61	7,302.40	7,017.14	168.58	35.57	91.29	-207.91	5,829.43	1,388.06	1,184.78	203.28	6.828		
12,800.00	7,010.64	7,373.98	7,040.13	171.38	36.70	92.20	-209.94	5,897.16	1,393.50	1,186.59	206.91	6.735		
12,900.00	7,011.67	7,444.99	7,057.53	174.18	37.93	92.88	-213.99	5,965.88	1,401.66	1,191.15	210.51	6.659		
13,000.00	7,012.70	7,587.26	7,082.20	176.98	40.67	93.80	-222.61	6,105.65	1,410.44	1,193.83	216.61	6.511		
13,100.00	7,013.73	7,769.27	7,084.83	179.78	44.66	93.82	-225.36	6,287.43	1,413.01	1,188.86	224.15	6.304		
13,165.64	7,014.41	7,839.87	7,083.44	181.62	46.33	93.74	-224.29	6,358.00	1,412.75	1,185.05	227.69	6.205		
13,200.00	7,014.76	7,862.78	7,083.05	182.59	46.88	93.71	-224.11	6,380.91	1,412.88	1,183.73	229.16	6.166		
13,300.00	7,015.79	7,960.41	7,081.67	185.39	49.30	93.61	-224.47	6,478.52	1,414.43	1,180.05	234.38	6.035		
13,400.00	7,016.82	8,062.02	7,080.77	188.20	51.91	93.53	-223.86	6,580.13	1,415.04	1,175.22	239.82	5.900		
13,500.00	7,017.85	8,136.93	7,079.80	191.01	53.90	93.45	-224.16	6,655.03	1,416.68	1,172.25	244.43	5.796		
13,600.00	7,018.88	8,232.23	7,078.18	193.82	56.47	93.34	-226.12	6,750.30	1,419.89	1,170.10	249.79	5.684		
13,700.00	7,019.91	8,388.35	7,075.77	196.63	60.82	93.18	-226.01	6,906.38	1,421.09	1,163.76	257.34	5.522		
13,800.00	7,020.95	8,519.92	7,074.19	199.44	64.58	93.06	-221.43	7,037.86	1,418.78	1,154.82	263.96	5.375		
13,900.00	7,021.98	8,611.92	7,072.37	202.26	67.25	92.96	-217.60	7,129.76	1,415.81	1,146.36	269.45	5.254		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,023.01	8,688.32	7,069.59	205.07	69.49	92.82	-215.37	7,206.07	1,414.00	1,139.53	274.47	5.152		
14,053.67	7,023.56	8,728.45	7,068.53	206.58	70.68	92.76	-214.70	7,246.18	1,413.74	1,136.62	277.12	5.102		
14,100.00	7,024.04	8,762.77	7,067.93	207.89	71.70	92.72	-214.43	7,280.50	1,413.94	1,134.57	279.37	5.061		
14,200.00	7,025.07	8,829.11	7,067.48	210.70	73.68	92.67	-214.84	7,346.83	1,415.87	1,132.00	283.87	4.988		
14,300.00	7,026.10	8,894.50	7,067.22	213.52	75.64	92.63	-217.05	7,412.18	1,420.45	1,132.27	288.18	4.929		
14,400.00	7,027.13	8,987.99	7,066.59	216.34	78.46	92.55	-221.33	7,505.57	1,426.29	1,132.56	293.73	4.856		
14,500.00	7,028.16	9,076.24	7,066.33	219.16	81.15	92.49	-225.98	7,593.70	1,432.84	1,133.80	299.04	4.791		
14,600.00	7,029.19	9,165.93	7,066.27	221.98	83.89	92.44	-231.21	7,683.23	1,439.97	1,135.55	304.42	4.730		
14,700.00	7,030.22	9,238.75	7,064.46	224.80	86.12	92.33	-236.56	7,755.83	1,448.52	1,139.62	308.90	4.689		
14,800.00	7,031.26	9,366.24	7,057.81	227.62	90.06	92.00	-246.27	7,882.77	1,457.30	1,141.01	316.29	4.607		
14,900.00	7,032.29	9,498.15	7,054.82	230.44	94.16	91.82	-252.88	8,014.47	1,463.47	1,139.65	323.82	4.519		
15,000.00	7,033.32	9,670.77	7,055.65	233.26	99.59	91.77	-255.47	8,187.04	1,466.24	1,133.42	332.83	4.405		
15,100.00	7,034.35	9,798.37	7,056.93	236.09	103.62	91.77	-252.52	8,314.60	1,465.15	1,125.38	339.76	4.312		
15,200.00	7,035.38	9,877.90	7,058.26	238.91	106.14	91.80	-250.94	8,394.10	1,464.50	1,119.45	345.05	4.244		
15,295.35	7,036.36	9,972.43	7,058.62	241.61	109.15	91.77	-249.61	8,488.62	1,464.42	1,113.68	350.75	4.175		
15,300.00	7,036.41	9,976.72	7,058.60	241.74	109.29	91.77	-249.56	8,492.91	1,464.43	1,113.41	351.01	4.172		
15,400.00	7,037.44	10,081.26	7,057.90	244.56	112.62	91.70	-248.37	8,597.44	1,464.59	1,107.40	357.19	4.100		
15,499.30	7,038.47	10,176.40	7,057.82	247.37	115.65	91.66	-246.50	8,692.56	1,463.97	1,100.95	363.02	4.033		
15,500.00	7,038.47	10,176.91	7,057.82	247.39	115.67	91.66	-246.49	8,693.07	1,463.97	1,100.91	363.06	4.032		
15,600.00	7,039.50	10,260.00	7,057.25	250.21	118.33	91.60	-246.11	8,776.16	1,464.76	1,096.31	368.45	3.975		
15,700.00	7,040.53	10,343.38	7,055.94	253.04	121.00	91.52	-246.25	8,859.53	1,466.25	1,092.44	373.81	3.922		
15,800.00	7,041.57	10,421.48	7,053.68	255.87	123.51	91.39	-247.91	8,937.57	1,469.55	1,090.66	378.89	3.879		
15,900.00	7,042.60	10,530.73	7,050.91	258.70	127.03	91.24	-250.20	9,046.77	1,472.90	1,087.54	385.36	3.822		
16,000.00	7,043.63	10,655.52	7,047.93	261.53	131.05	91.07	-251.90	9,171.51	1,475.61	1,083.15	392.47	3.760		
16,100.00	7,044.66	10,744.75	7,046.70	264.35	133.94	90.98	-252.25	9,260.73	1,477.33	1,079.25	398.08	3.711		
16,200.00	7,045.69	10,835.92	7,046.08	267.18	136.89	90.92	-253.38	9,351.89	1,479.88	1,076.10	403.77	3.665		
16,300.00	7,046.72	10,950.67	7,045.08	270.01	140.61	90.84	-254.59	9,466.62	1,482.26	1,071.79	410.47	3.611		
16,400.00	7,047.75	11,040.49	7,045.60	272.84	143.52	90.82	-255.07	9,556.44	1,484.16	1,068.05	416.12	3.567		
16,500.00	7,048.78	11,111.00	7,046.01	275.67	145.81	90.81	-257.01	9,626.92	1,488.08	1,067.23	420.85	3.536		
16,600.00	7,049.81	11,252.45	7,045.33	278.51	150.41	90.72	-259.89	9,768.33	1,491.55	1,062.76	428.79	3.479		
16,700.00	7,050.84	11,361.02	7,044.76	281.34	153.95	90.66	-259.79	9,876.90	1,492.76	1,057.55	435.22	3.430		
16,800.00	7,051.88	11,548.00	7,042.50	284.17	160.02	90.50	-253.06	10,063.71	1,490.06	1,046.07	443.98	3.356		
16,900.00	7,052.91	11,661.20	7,039.99	287.00	163.69	90.36	-245.43	10,176.62	1,484.59	1,034.27	450.32	3.297		
17,000.00	7,053.94	11,735.00	7,037.83	289.83	166.08	90.24	-241.07	10,250.26	1,479.97	1,024.17	455.80	3.247		
17,100.00	7,054.97	11,851.83	7,034.45	292.67	169.88	90.07	-234.62	10,366.85	1,475.82	1,013.56	462.25	3.193		
17,200.00	7,056.00	11,898.00	7,032.84	295.50	171.38	89.99	-231.72	10,412.91	1,471.83	1,004.96	466.87	3.153		
17,219.34	7,056.20	11,898.00	7,032.84	296.05	171.38	89.99	-231.72	10,412.91	1,471.71	1,004.33	467.38	3.149 ES		
17,300.00	7,057.03	11,898.00	7,032.84	298.33	171.38	89.99	-231.72	10,412.91	1,473.92	1,005.27	468.65	3.145 SF		
17,400.00	7,058.06	11,898.00	7,032.84	301.17	171.38	89.99	-231.72	10,412.91	1,482.75	1,014.44	468.32	3.166		
17,500.00	7,059.09	11,898.00	7,032.84	304.00	171.38	89.99	-231.72	10,412.91	1,498.23	1,032.26	465.97	3.215		
17,600.00	7,060.12	11,898.00	7,032.84	306.84	171.38	89.99	-231.72	10,412.91	1,520.14	1,058.38	461.76	3.292		
17,685.09	7,061.00	11,898.00	7,032.84	309.25	171.38	89.99	-231.72	10,412.91	1,543.65	1,086.78	456.87	3.379		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	33.00	33.00	3.28	3.33	-73.49	1,744.98	-5,885.78	6,139.01					
100.00	100.00	133.00	133.00	3.28	4.38	-73.49	1,744.98	-5,885.78	6,139.01	6,131.35	7.66	801.308		
200.00	200.00	233.00	233.00	3.34	7.18	-73.49	1,744.98	-5,885.78	6,139.01	6,128.49	10.52	583.646		
300.00	299.98	332.98	332.98	3.45	10.41	-70.61	1,744.98	-5,885.78	6,138.43	6,124.57	13.85	443.084		
400.00	399.84	432.84	432.84	3.61	13.76	-70.69	1,744.98	-5,885.78	6,136.69	6,119.33	17.36	353.401		
500.00	499.45	532.45	532.45	3.82	17.16	-70.82	1,744.98	-5,885.78	6,133.81	6,112.84	20.97	292.561		
600.00	598.70	631.70	631.70	4.07	20.57	-71.01	1,744.98	-5,885.78	6,129.80	6,105.17	24.62	248.957		
680.00	677.76	710.76	710.76	4.29	23.30	-71.19	1,744.98	-5,885.78	6,125.79	6,098.22	27.57	222.171		
700.00	697.48	730.48	730.48	4.35	23.98	-71.22	1,744.98	-5,885.78	6,124.70	6,096.39	28.31	216.321		
800.00	796.08	829.08	829.08	4.66	27.39	-71.36	1,744.98	-5,885.78	6,119.28	6,087.25	32.04	191.005		
900.00	894.68	927.68	927.68	4.98	30.81	-71.51	1,744.98	-5,885.78	6,113.91	6,078.11	35.79	170.815		
1,000.00	993.28	1,026.28	1,026.28	5.34	34.24	-71.66	1,744.98	-5,885.78	6,108.57	6,069.00	39.57	154.365		
1,100.00	1,091.88	1,124.88	1,124.88	5.71	37.67	-71.80	1,744.98	-5,885.78	6,103.27	6,059.90	43.37	140.721		
1,200.00	1,190.48	1,223.48	1,223.48	6.10	41.10	-71.95	1,744.98	-5,885.78	6,098.02	6,050.83	47.19	129.233		
1,300.00	1,289.07	1,322.07	1,322.07	6.49	44.53	-72.10	1,744.98	-5,885.78	6,092.81	6,041.79	51.01	119.434		
1,400.00	1,387.67	1,420.67	1,420.67	6.90	47.96	-72.24	1,744.98	-5,885.78	6,087.64	6,032.78	54.85	110.983		
1,500.00	1,486.27	1,519.27	1,519.27	7.31	51.40	-72.39	1,744.98	-5,885.78	6,082.51	6,023.81	58.70	103.622		
1,600.00	1,584.87	1,617.87	1,617.87	7.73	54.83	-72.54	1,744.98	-5,885.78	6,077.42	6,014.86	62.55	97.156		
1,700.00	1,683.47	1,716.47	1,716.47	8.16	58.27	-72.69	1,744.98	-5,885.78	6,072.37	6,005.96	66.41	91.433		
1,800.00	1,782.07	1,815.07	1,815.07	8.59	61.71	-72.84	1,744.98	-5,885.78	6,067.36	5,997.08	70.28	86.332		
1,900.00	1,880.67	1,913.67	1,913.67	9.02	65.14	-72.99	1,744.98	-5,885.78	6,062.40	5,988.25	74.15	81.759		
2,000.00	1,979.27	2,012.27	2,012.27	9.46	68.58	-73.13	1,744.98	-5,885.78	6,057.48	5,979.45	78.02	77.637		
2,100.00	2,077.87	2,110.87	2,110.87	9.90	72.02	-73.28	1,744.98	-5,885.78	6,052.60	5,970.70	81.90	73.902		
2,200.00	2,176.47	2,209.47	2,209.47	10.35	75.46	-73.43	1,744.98	-5,885.78	6,047.76	5,961.98	85.78	70.502		
2,300.00	2,275.07	2,308.07	2,308.07	10.79	78.90	-73.58	1,744.98	-5,885.78	6,042.96	5,953.30	89.66	67.396		
2,400.00	2,373.67	2,406.67	2,406.67	11.24	82.34	-73.73	1,744.98	-5,885.78	6,038.21	5,944.66	93.55	64.546		
2,500.00	2,472.27	2,505.27	2,505.27	11.69	85.78	-73.88	1,744.98	-5,885.78	6,033.50	5,936.06	97.44	61.922		
2,600.00	2,570.87	2,603.87	2,603.87	12.14	89.22	-74.03	1,744.98	-5,885.78	6,028.83	5,927.50	101.33	59.500		
2,700.00	2,669.47	2,702.47	2,702.47	12.59	92.66	-74.18	1,744.98	-5,885.78	6,024.20	5,918.99	105.22	57.256		
2,800.00	2,768.07	2,801.07	2,801.07	13.04	96.10	-74.33	1,744.98	-5,885.78	6,019.62	5,910.51	109.11	55.171		
2,900.00	2,866.67	2,900.33	2,899.67	13.50	99.56	-74.48	1,744.98	-5,885.78	6,015.08	5,902.05	113.02	53.219		
3,000.00	2,965.27	3,001.73	2,998.27	13.95	103.10	-74.64	1,744.98	-5,885.78	6,010.58	5,893.56	117.02	51.365		
3,100.00	3,063.87	3,103.13	3,096.87	14.41	106.64	-74.79	1,744.98	-5,885.78	6,006.12	5,885.11	121.01	49.633		
3,200.00	3,162.47	3,204.53	3,195.47	14.87	110.17	-74.94	1,744.98	-5,885.78	6,001.71	5,876.71	125.00	48.012		
3,300.00	3,261.07	3,305.93	3,294.07	15.32	113.71	-75.09	1,744.98	-5,885.78	5,997.34	5,868.34	129.00	46.491		
3,400.00	3,359.67	3,407.33	3,392.67	15.78	117.25	-75.24	1,744.98	-5,885.78	5,993.02	5,860.02	133.00	45.062		
3,500.00	3,458.27	3,508.73	3,491.27	16.24	120.79	-75.40	1,744.98	-5,885.78	5,988.73	5,851.74	136.99	43.716		
3,600.00	3,556.87	3,589.87	3,589.87	16.70	123.62	-75.55	1,744.98	-5,885.78	5,984.49	5,844.21	140.28	42.660		
3,700.00	3,655.47	3,688.47	3,688.47	17.16	127.06	-75.70	1,744.98	-5,885.78	5,980.30	5,836.12	144.18	41.477		
3,800.00	3,754.06	3,787.06	3,787.06	17.62	130.50	-75.85	1,744.98	-5,885.78	5,976.15	5,828.06	148.08	40.356		
3,900.00	3,852.66	3,885.66	3,885.66	18.08	133.94	-76.01	1,744.98	-5,885.78	5,972.04	5,820.05	151.99	39.294		
4,000.00	3,951.26	3,984.26	3,984.26	18.54	137.38	-76.16	1,744.98	-5,885.78	5,967.97	5,812.09	155.89	38.284		
4,100.00	4,049.86	4,082.86	4,082.86	19.01	140.83	-76.31	1,744.98	-5,885.78	5,963.95	5,804.16	159.79	37.324		
4,200.00	4,148.46	4,181.46	4,181.46	19.47	144.27	-76.47	1,744.98	-5,885.78	5,959.98	5,796.28	163.69	36.410		
4,300.00	4,247.06	4,280.06	4,280.06	19.93	147.71	-76.62	1,744.98	-5,885.78	5,956.04	5,788.45	167.60	35.538		
4,400.00	4,345.66	4,378.66	4,378.66	20.39	151.15	-76.77	1,744.98	-5,885.78	5,952.15	5,780.65	171.50	34.706		
4,500.00	4,444.26	4,477.26	4,477.26	20.86	154.59	-76.93	1,744.98	-5,885.78	5,948.31	5,772.91	175.40	33.912		
4,600.00	4,542.86	4,575.86	4,575.86	21.32	158.03	-77.08	1,744.98	-5,885.78	5,944.51	5,765.20	179.31	33.152		
4,700.00	4,641.46	4,674.46	4,674.46	21.78	161.47	-77.24	1,744.98	-5,885.78	5,940.75	5,757.54	183.21	32.425		
4,800.00	4,740.06	4,773.06	4,773.06	22.25	164.92	-77.39	1,744.98	-5,885.78	5,937.04	5,749.92	187.12	31.729		
4,900.00	4,838.66	4,871.66	4,871.66	22.71	168.36	-77.55	1,744.98	-5,885.78	5,933.38	5,742.35	191.02	31.061		
5,000.00	4,937.26	4,970.26	4,970.26	23.18	171.80	-77.70	1,744.98	-5,885.78	5,929.75	5,734.82	194.93	30.420		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,035.86	5,068.86	5,068.86	23.64	175.24	-77.86	1,744.98	-5,885.78	5,926.18	5,727.34	198.84	29.804		
5,200.00	5,134.46	5,167.46	5,167.46	24.11	178.68	-78.01	1,744.98	-5,885.78	5,922.64	5,719.90	202.74	29.213		
5,300.00	5,233.06	5,266.06	5,266.06	24.57	182.12	-78.17	1,744.98	-5,885.78	5,919.16	5,712.51	206.65	28.644		
5,400.00	5,331.66	5,364.66	5,364.66	25.04	185.56	-78.33	1,744.98	-5,885.78	5,915.71	5,705.16	210.55	28.096		
5,500.00	5,430.26	5,463.26	5,463.26	25.50	189.01	-78.48	1,744.98	-5,885.78	5,912.32	5,697.85	214.46	27.568		
5,600.00	5,528.86	5,561.86	5,561.86	25.97	192.45	-78.64	1,744.98	-5,885.78	5,908.96	5,690.59	218.37	27.060		
5,700.00	5,627.46	5,660.46	5,660.46	26.43	195.89	-78.80	1,744.98	-5,885.78	5,905.66	5,683.38	222.28	26.569		
5,800.00	5,726.06	5,759.06	5,759.06	26.90	199.33	-78.95	1,744.98	-5,885.78	5,902.39	5,676.21	226.18	26.096		
5,900.00	5,824.66	5,857.66	5,857.66	27.36	202.77	-79.11	1,744.98	-5,885.78	5,899.18	5,669.09	230.09	25.639		
6,000.00	5,923.26	5,956.26	5,956.26	27.83	206.21	-79.27	1,744.98	-5,885.78	5,896.00	5,662.01	234.00	25.197		
6,100.00	6,021.86	6,054.86	6,054.86	28.30	209.66	-79.42	1,744.98	-5,885.78	5,892.88	5,654.97	237.91	24.770		
6,200.00	6,120.46	6,153.46	6,153.46	28.76	213.10	-79.58	1,744.98	-5,885.78	5,889.80	5,647.98	241.81	24.357		
6,300.00	6,219.06	6,252.06	6,252.06	29.23	216.54	-79.74	1,744.98	-5,885.78	5,886.76	5,641.04	245.72	23.957		
6,405.66	6,323.24	6,356.24	6,356.24	29.72	220.18	-79.90	1,744.98	-5,885.78	5,883.61	5,633.76	249.85	23.548		
6,424.66	6,341.97	6,374.97	6,374.97	29.81	220.83	-90.00	1,744.98	-5,885.78	5,883.33	5,632.73	250.59	23.478 CC		
6,450.00	6,366.93	6,400.07	6,399.93	29.93	221.71	-102.65	1,744.98	-5,885.78	5,883.83	5,632.24	251.59	23.387 ES		
6,500.00	6,415.96	6,448.96	6,448.96	30.15	223.41	-122.09	1,744.98	-5,885.78	5,887.75	5,634.23	253.52	23.224		
6,550.00	6,464.44	6,502.56	6,497.44	30.37	225.28	-134.48	1,744.98	-5,885.78	5,895.55	5,639.94	255.61	23.064		
6,600.00	6,512.08	6,545.08	6,545.08	30.58	226.77	-142.29	1,744.98	-5,885.78	5,907.18	5,649.87	257.31	22.958		
6,650.00	6,558.58	6,608.42	6,591.58	30.78	228.98	-147.41	1,744.98	-5,885.78	5,922.57	5,662.85	259.72	22.804		
6,700.00	6,603.65	6,636.65	6,636.65	30.97	229.96	-150.89	1,744.98	-5,885.78	5,941.63	5,680.73	260.90	22.774		
6,750.00	6,647.02	6,680.02	6,680.02	31.15	231.48	-153.32	1,744.98	-5,885.78	5,964.24	5,701.64	262.59	22.713		
6,800.00	6,688.42	6,721.42	6,721.42	31.31	232.92	-155.01	1,744.98	-5,885.78	5,990.25	5,726.04	264.21	22.673		
6,850.00	6,727.59	6,760.59	6,760.59	31.46	234.29	-156.16	1,744.98	-5,885.78	6,019.52	5,753.79	265.73	22.653		
6,900.00	6,764.29	6,802.71	6,797.29	31.60	235.76	-156.87	1,744.98	-5,885.78	6,051.86	5,784.51	267.35	22.637 SF		
6,950.00	6,798.30	6,831.30	6,831.30	31.73	236.76	-157.19	1,744.98	-5,885.78	6,087.06	5,818.58	268.48	22.672		
7,000.00	6,829.41	6,862.41	6,862.41	31.84	237.84	-157.14	1,744.98	-5,885.78	6,124.92	5,855.23	269.69	22.711		
7,050.00	6,857.42	6,909.58	6,890.42	32.03	239.49	-156.68	1,744.98	-5,885.78	6,165.19	5,893.76	271.44	22.713		
7,100.00	6,882.16	6,915.16	6,915.16	32.36	239.69	-155.73	1,744.98	-5,885.78	6,207.64	5,935.91	271.73	22.845		
7,150.00	6,903.48	6,936.48	6,936.48	32.73	240.43	-154.12	1,744.98	-5,885.78	6,251.98	5,979.43	272.56	22.938		
7,200.00	6,921.25	6,954.25	6,954.25	33.15	241.05	-151.54	1,744.98	-5,885.78	6,297.95	6,024.71	273.25	23.049		
7,250.00	6,935.36	6,968.36	6,968.36	33.61	241.54	-147.33	1,744.98	-5,885.78	6,345.27	6,071.47	273.80	23.175		
7,300.00	6,945.72	6,978.72	6,978.72	34.11	241.90	-140.01	1,744.98	-5,885.78	6,393.64	6,119.43	274.21	23.317		
7,350.00	6,952.26	6,985.26	6,985.26	34.65	242.13	-125.99	1,744.98	-5,885.78	6,442.75	6,168.27	274.48	23.473		
7,403.14	6,955.00	6,988.00	6,988.00	35.26	242.23	-95.25	1,744.98	-5,885.78	6,495.43	6,220.82	274.60	23.654		
7,500.00	6,955.99	6,988.99	6,988.99	36.49	242.26	-95.33	1,744.98	-5,885.78	6,591.69	6,316.99	274.69	23.997		
7,600.00	6,957.03	7,009.98	6,990.03	37.93	243.00	-95.41	1,744.98	-5,885.78	6,691.09	6,415.61	275.48	24.289		
7,700.00	6,958.06	7,008.94	6,991.06	39.52	242.96	-95.49	1,744.98	-5,885.78	6,790.50	6,515.00	275.50	24.648		
7,800.00	6,959.09	7,007.91	6,992.09	41.25	242.92	-95.57	1,744.98	-5,885.78	6,889.94	6,614.41	275.53	25.006		
7,900.00	6,960.12	7,006.88	6,993.12	43.09	242.89	-95.65	1,744.98	-5,885.78	6,989.38	6,713.83	275.55	25.365		
8,000.00	6,961.15	7,005.85	6,994.15	45.04	242.85	-95.73	1,744.98	-5,885.78	7,088.85	6,813.27	275.58	25.723		
8,100.00	6,962.18	7,004.82	6,995.18	47.08	242.82	-95.81	1,744.98	-5,885.78	7,188.33	6,912.72	275.61	26.082		
8,200.00	6,963.21	7,003.79	6,996.21	49.20	242.78	-95.90	1,744.98	-5,885.78	7,287.82	7,012.18	275.64	26.440		
8,300.00	6,964.24	7,002.76	6,997.24	51.39	242.74	-95.98	1,744.98	-5,885.78	7,387.33	7,111.66	275.67	26.798		
8,400.00	6,965.27	7,001.73	6,998.27	53.64	242.71	-96.06	1,744.98	-5,885.78	7,486.85	7,211.15	275.70	27.156		
8,500.00	6,966.30	7,000.70	6,999.30	55.95	242.67	-96.14	1,744.98	-5,885.78	7,586.38	7,310.64	275.73	27.513		
8,600.00	6,967.33	7,000.33	7,000.33	58.30	242.66	-96.22	1,744.98	-5,885.78	7,685.92	7,410.13	275.79	27.869		
8,700.00	6,968.37	7,001.37	7,001.37	60.70	242.69	-96.30	1,744.98	-5,885.78	7,785.48	7,509.58	275.90	28.219		
8,800.00	6,969.40	7,002.40	7,002.40	63.14	242.73	-96.38	1,744.98	-5,885.78	7,885.05	7,609.04	276.01	28.568		
8,900.00	6,970.43	7,003.43	7,003.43	65.60	242.77	-96.46	1,744.98	-5,885.78	7,984.62	7,708.51	276.12	28.918		
9,000.00	6,971.46	7,004.46	7,004.46	68.10	242.80	-96.54	1,744.98	-5,885.78	8,084.21	7,807.99	276.23	29.267		
9,100.00	6,972.49	7,005.49	7,005.49	70.63	242.84	-96.62	1,744.98	-5,885.78	8,183.81	7,907.47	276.34	29.615		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,200.00	6,973.52	7,006.52	7,006.52	73.18	242.87	-96.70	1,744.98	-5,885.78	8,283.42	8,006.97	276.45	29.964		
9,300.00	6,974.55	7,007.55	7,007.55	75.75	242.91	-96.78	1,744.98	-5,885.78	8,383.03	8,106.47	276.56	30.312		
9,400.00	6,975.58	7,008.58	7,008.58	78.34	242.95	-96.86	1,744.98	-5,885.78	8,482.66	8,205.99	276.67	30.660		
9,500.00	6,976.61	7,009.61	7,009.61	80.94	242.98	-96.94	1,744.98	-5,885.78	8,582.29	8,305.51	276.79	31.007		
9,600.00	6,977.64	7,010.64	7,010.64	83.56	243.02	-97.02	1,744.98	-5,885.78	8,681.94	8,405.03	276.90	31.354		
9,700.00	6,978.68	7,011.68	7,011.68	86.20	243.05	-97.10	1,744.98	-5,885.78	8,781.59	8,504.57	277.01	31.701		
9,800.00	6,979.71	7,012.71	7,012.71	88.85	243.09	-97.18	1,744.98	-5,885.78	8,881.24	8,604.11	277.13	32.047		
9,900.00	6,980.74	7,013.74	7,013.74	91.51	243.13	-97.26	1,744.98	-5,885.78	8,980.91	8,703.66	277.25	32.393		
10,000.00	6,981.77	7,014.77	7,014.77	94.19	243.16	-97.34	1,744.98	-5,885.78	9,080.58	8,803.22	277.36	32.739		
10,100.00	6,982.80	7,015.80	7,015.80	96.87	243.20	-97.42	1,744.98	-5,885.78	9,180.26	8,902.78	277.48	33.085		
10,200.00	6,983.83	7,016.83	7,016.83	99.56	243.23	-97.51	1,744.98	-5,885.78	9,279.95	9,002.35	277.60	33.430		
10,300.00	6,984.86	7,017.86	7,017.86	102.27	243.27	-97.59	1,744.98	-5,885.78	9,379.64	9,101.93	277.71	33.775		
10,400.00	6,985.89	7,018.89	7,018.89	104.98	243.31	-97.67	1,744.98	-5,885.78	9,479.34	9,201.51	277.83	34.119		
10,500.00	6,986.92	7,019.92	7,019.92	107.69	243.34	-97.75	1,744.98	-5,885.78	9,579.05	9,301.10	277.95	34.463		
10,600.00	6,987.95	7,020.95	7,020.95	110.41	243.38	-97.83	1,744.98	-5,885.78	9,678.76	9,400.69	278.07	34.807		
10,700.00	6,988.99	7,021.99	7,021.99	113.14	243.41	-97.91	1,744.98	-5,885.78	9,778.48	9,500.29	278.19	35.151		
10,800.00	6,990.02	7,023.02	7,023.02	115.88	243.45	-97.99	1,744.98	-5,885.78	9,878.20	9,599.89	278.31	35.494		
10,900.00	6,991.05	7,024.05	7,024.05	118.62	243.49	-98.07	1,744.98	-5,885.78	9,977.93	9,699.50	278.43	35.837		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	15,770.31	7,060.91	3.28	285.88	-1.45	1,437.91	-36.42	7,251.00					
100.00	100.00	15,770.26	7,060.91	3.28	285.87	-1.45	1,437.91	-36.46	7,153.02	7,038.49	114.53	62.458		
200.00	200.00	15,770.22	7,060.91	3.34	285.87	-1.45	1,437.91	-36.50	7,055.09	6,940.26	114.83	61.440		
300.00	299.98	15,770.15	7,060.91	3.45	285.87	1.73	1,437.91	-36.57	6,956.88	6,841.76	115.12	60.433		
400.00	399.84	15,770.01	7,060.91	3.61	285.87	2.15	1,437.90	-36.71	6,858.11	6,742.76	115.35	59.456		
500.00	499.45	15,769.81	7,060.91	3.82	285.86	2.84	1,437.90	-36.91	6,758.88	6,643.37	115.51	58.513		
600.00	598.70	15,769.55	7,060.91	4.07	285.85	4.15	1,437.89	-37.17	6,659.30	6,543.69	115.60	57.604		
680.00	677.76	15,769.30	7,060.91	4.29	285.84	6.59	1,437.88	-37.43	6,579.45	6,463.82	115.62	56.904		
700.00	697.48	15,769.23	7,060.91	4.35	285.84	6.58	1,437.88	-37.50	6,559.47	6,443.84	115.62	56.731		
800.00	796.08	15,768.88	7,060.91	4.66	285.83	6.51	1,437.87	-37.84	6,459.58	6,343.96	115.62	55.870		
900.00	894.68	15,768.53	7,060.91	4.98	285.82	6.45	1,437.86	-38.19	6,359.70	6,244.08	115.62	55.007		
1,000.00	993.28	15,768.18	7,060.91	5.34	285.81	6.39	1,437.85	-38.54	6,259.81	6,144.19	115.62	54.141		
1,100.00	1,091.88	15,767.83	7,060.91	5.71	285.79	6.32	1,437.84	-38.89	6,159.94	6,044.31	115.63	53.273		
1,200.00	1,190.48	15,767.47	7,060.91	6.10	285.78	6.25	1,437.83	-39.25	6,060.06	5,944.42	115.65	52.402		
1,300.00	1,289.07	15,767.12	7,060.91	6.49	285.77	6.19	1,437.82	-39.60	5,960.20	5,844.53	115.67	51.529		
1,400.00	1,387.67	15,766.76	7,060.91	6.90	285.76	6.12	1,437.81	-39.96	5,860.33	5,744.64	115.69	50.653		
1,500.00	1,486.27	15,766.40	7,060.91	7.31	285.75	6.06	1,437.80	-40.32	5,760.47	5,644.74	115.73	49.776		
1,600.00	1,584.87	15,766.04	7,060.91	7.73	285.74	5.99	1,437.79	-40.68	5,660.62	5,544.85	115.77	48.896		
1,700.00	1,683.47	15,765.68	7,060.91	8.16	285.72	5.92	1,437.78	-41.04	5,560.77	5,444.95	115.82	48.014		
1,800.00	1,782.07	15,765.31	7,060.91	8.59	285.71	5.85	1,437.77	-41.41	5,460.92	5,345.05	115.87	47.129		
1,900.00	1,880.67	15,764.95	7,060.91	9.02	285.70	5.79	1,437.76	-41.78	5,361.09	5,245.15	115.93	46.242		
2,000.00	1,979.27	15,764.58	7,060.91	9.46	285.69	5.72	1,437.75	-42.14	5,261.25	5,145.25	116.01	45.353		
2,100.00	2,077.87	15,764.21	7,060.91	9.90	285.67	5.65	1,437.74	-42.51	5,161.43	5,045.34	116.09	44.462		
2,200.00	2,176.47	15,763.84	7,060.91	10.35	285.66	5.58	1,437.73	-42.88	5,061.61	4,945.43	116.18	43.568		
2,300.00	2,275.07	15,763.46	7,060.91	10.79	285.65	5.51	1,437.72	-43.26	4,961.80	4,845.52	116.28	42.673		
2,400.00	2,373.67	15,763.09	7,060.91	11.24	285.64	5.44	1,437.71	-43.63	4,861.99	4,745.61	116.39	41.774		
2,500.00	2,472.27	15,762.71	7,060.91	11.69	285.63	5.37	1,437.70	-44.01	4,762.20	4,645.69	116.51	40.874		
2,600.00	2,570.87	15,762.33	7,060.91	12.14	285.61	5.30	1,437.69	-44.39	4,662.41	4,545.77	116.64	39.971		
2,700.00	2,669.47	15,761.95	7,060.91	12.59	285.60	5.23	1,437.68	-44.77	4,562.63	4,445.84	116.79	39.066		
2,800.00	2,768.07	15,761.56	7,060.91	13.04	285.59	5.16	1,437.67	-45.16	4,462.87	4,345.91	116.95	38.159		
2,900.00	2,866.67	15,761.18	7,060.91	13.50	285.58	5.09	1,437.66	-45.54	4,363.11	4,245.98	117.13	37.250		
3,000.00	2,965.27	15,760.79	7,060.91	13.95	285.56	5.01	1,437.65	-45.93	4,263.36	4,146.04	117.33	36.338		
3,100.00	3,063.87	15,760.40	7,060.91	14.41	285.55	4.94	1,437.64	-46.32	4,163.63	4,046.09	117.54	35.423		
3,200.00	3,162.47	15,760.01	7,060.91	14.87	285.54	4.87	1,437.63	-46.71	4,063.91	3,946.14	117.77	34.506		
3,300.00	3,261.07	15,759.62	7,060.91	15.32	285.52	4.80	1,437.62	-47.10	3,964.20	3,846.18	118.03	33.587		
3,400.00	3,359.67	15,759.22	7,060.91	15.78	285.51	4.72	1,437.61	-47.50	3,864.51	3,746.21	118.30	32.666		
3,500.00	3,458.27	15,758.83	7,060.91	16.24	285.50	4.65	1,437.60	-47.89	3,764.84	3,646.23	118.61	31.742		
3,600.00	3,556.87	15,758.43	7,060.91	16.70	285.49	4.57	1,437.59	-48.29	3,665.18	3,546.24	118.94	30.816		
3,700.00	3,655.47	15,758.03	7,060.91	17.16	285.47	4.50	1,437.58	-48.69	3,565.54	3,446.24	119.30	29.887		
3,800.00	3,754.06	15,757.62	7,060.91	17.62	285.46	4.42	1,437.57	-49.10	3,465.93	3,346.23	119.69	28.957		
3,900.00	3,852.66	15,757.22	7,060.91	18.08	285.45	4.35	1,437.56	-49.50	3,366.33	3,246.21	120.12	28.024		
4,000.00	3,951.26	15,756.81	7,060.91	18.54	285.43	4.27	1,437.55	-49.91	3,266.76	3,146.17	120.59	27.089		
4,100.00	4,049.86	15,756.40	7,060.91	19.01	285.42	4.20	1,437.54	-50.32	3,167.22	3,046.11	121.11	26.152		
4,200.00	4,148.46	15,755.99	7,060.91	19.47	285.41	4.12	1,437.53	-50.73	3,067.71	2,946.04	121.67	25.214		
4,300.00	4,247.06	15,755.57	7,060.91	19.93	285.39	4.04	1,437.52	-51.14	2,968.22	2,845.95	122.28	24.274		
4,400.00	4,345.66	15,755.16	7,060.91	20.39	285.38	3.96	1,437.51	-51.56	2,868.78	2,745.83	122.95	23.333		
4,500.00	4,444.26	15,754.74	7,060.91	20.86	285.36	3.89	1,437.50	-51.98	2,769.38	2,645.70	123.68	22.391		
4,600.00	4,542.86	15,754.32	7,060.91	21.32	285.35	3.81	1,437.49	-52.40	2,670.02	2,545.53	124.48	21.449		
4,700.00	4,641.46	15,753.90	7,060.91	21.78	285.34	3.73	1,437.48	-52.82	2,570.70	2,445.34	125.36	20.506		
4,800.00	4,740.06	15,753.47	7,060.92	22.25	285.32	3.65	1,437.47	-53.25	2,471.45	2,345.12	126.33	19.564		
4,900.00	4,838.66	15,753.04	7,060.92	22.71	285.31	3.57	1,437.46	-53.67	2,372.26	2,244.87	127.39	18.623		
5,000.00	4,937.26	15,752.61	7,060.92	23.18	285.29	3.49	1,437.44	-54.10	2,273.13	2,144.58	128.55	17.682		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,035.86	15,752.18	7,060.92	23.64	285.28	3.41	1,437.43	-54.53	2,174.09	2,044.25	129.84	16.744		
5,200.00	5,134.46	15,751.75	7,060.92	24.11	285.27	3.33	1,437.42	-54.97	2,075.14	1,943.87	131.27	15.808		
5,300.00	5,233.06	15,751.31	7,060.92	24.57	285.25	3.25	1,437.41	-55.41	1,976.30	1,843.44	132.86	14.875		
5,400.00	5,331.66	15,750.87	7,060.92	25.04	285.24	3.17	1,437.40	-55.84	1,877.58	1,742.94	134.63	13.946		
5,500.00	5,430.26	15,750.43	7,060.92	25.50	285.22	3.08	1,437.39	-56.29	1,779.00	1,642.38	136.62	13.022		
5,600.00	5,528.86	15,749.99	7,060.92	25.97	285.21	3.00	1,437.38	-56.73	1,680.59	1,541.73	138.85	12.103		
5,700.00	5,627.46	15,749.54	7,060.92	26.43	285.19	2.92	1,437.37	-57.17	1,582.37	1,440.99	141.39	11.192		
5,800.00	5,726.06	15,749.09	7,060.92	26.90	285.18	2.83	1,437.36	-57.62	1,484.40	1,340.12	144.27	10.289		
5,900.00	5,824.66	15,748.64	7,060.92	27.36	285.16	2.75	1,437.35	-58.07	1,386.71	1,239.12	147.59	9.396		
6,000.00	5,923.26	15,748.19	7,060.92	27.83	285.15	2.66	1,437.34	-58.53	1,289.38	1,137.95	151.43	8.515		
6,100.00	6,021.86	15,747.73	7,060.92	28.30	285.13	2.58	1,437.33	-58.98	1,192.50	1,036.57	155.92	7.648		
6,200.00	6,120.46	15,747.27	7,060.92	28.76	285.12	2.49	1,437.32	-59.44	1,096.17	934.94	161.22	6.799		
6,300.00	6,219.06	15,746.81	7,060.92	29.23	285.10	2.41	1,437.30	-59.90	1,000.56	833.00	167.55	5.972		
6,405.66	6,323.24	15,746.32	7,060.92	29.72	285.09	2.32	1,437.29	-60.39	900.57	724.88	175.69	5.126		
6,450.00	6,366.93	15,747.55	7,060.92	29.93	285.13	-30.73	1,437.32	-59.17	859.05	679.38	179.68	4.781		
6,500.00	6,415.96	15,752.36	7,060.92	30.15	285.29	-59.83	1,437.44	-54.36	812.83	628.16	184.68	4.401		
6,550.00	6,464.44	15,760.80	7,060.91	30.37	285.56	-79.69	1,437.65	-45.92	767.59	577.34	190.25	4.035		
6,600.00	6,512.08	15,772.82	7,060.90	30.58	285.96	-93.08	1,437.98	-33.90	723.68	527.26	196.42	3.684		
6,650.00	6,558.58	15,788.37	7,060.90	30.78	286.47	-102.28	1,438.44	-18.36	681.45	478.23	203.22	3.353		
6,700.00	6,603.65	15,807.36	7,060.89	30.97	287.09	-108.68	1,439.07	0.62	641.25	430.61	210.64	3.044		
6,750.00	6,647.02	15,831.38	7,060.88	31.15	287.88	-112.99	1,439.91	24.62	603.40	384.64	218.76	2.758		
6,800.00	6,688.42	15,859.61	7,060.88	31.31	288.81	-115.83	1,440.82	52.84	568.10	340.65	227.45	2.498		
6,850.00	6,727.59	15,891.17	7,060.89	31.46	289.84	-117.64	1,441.74	84.38	535.59	299.03	236.57	2.264		
6,900.00	6,764.29	15,925.84	7,060.93	31.60	290.98	-118.63	1,442.63	119.04	506.04	260.09	245.95	2.057		
6,950.00	6,798.30	15,961.73	7,060.98	31.73	292.16	-119.12	1,443.47	154.93	479.61	224.29	255.32	1.878		
7,000.00	6,829.41	15,999.22	7,061.02	31.84	293.39	-119.15	1,444.48	192.40	456.52	191.97	264.55	1.726		
7,050.00	6,857.42	16,039.35	7,061.05	32.03	294.71	-118.76	1,445.73	232.51	436.83	163.34	273.50	1.597		
7,100.00	6,882.16	16,083.72	7,061.07	32.36	296.17	-117.97	1,447.11	276.86	420.36	138.30	282.06	1.490 Level 3		
7,150.00	6,903.48	16,129.94	7,061.08	32.73	297.69	-117.04	1,448.40	323.06	406.87	117.00	289.87	1.404 Level 3		
7,200.00	6,921.25	16,177.08	7,061.08	33.15	299.24	-116.10	1,449.61	370.18	396.19	99.45	296.74	1.335 Level 3		
7,250.00	6,935.36	16,175.00	7,061.08	33.61	299.17	-116.76	1,449.56	368.11	391.43	94.96	296.47	1.320 Level 3, ES, SF		
7,252.50	6,935.97	16,175.00	7,061.08	33.63	299.17	-116.77	1,449.56	368.11	391.42	95.09	296.33	1.321 Level 3, CC		
7,300.00	6,945.72	16,175.00	7,061.08	34.11	299.17	-116.64	1,449.56	368.11	395.34	104.07	291.26	1.357 Level 3		
7,350.00	6,952.26	16,175.00	7,061.08	34.65	299.17	-115.81	1,449.56	368.11	407.65	126.07	281.58	1.448 Level 3		
7,403.14	6,955.00	16,175.00	7,061.08	35.26	299.17	-114.11	1,449.56	368.11	429.05	161.10	267.95	1.601		
7,500.00	6,955.99	16,175.00	7,061.08	36.49	299.17	-114.11	1,449.56	368.11	482.69	242.05	240.64	2.006		
7,600.00	6,957.03	16,175.00	7,061.08	37.93	299.17	-114.11	1,449.56	368.11	550.60	336.25	214.35	2.569		
7,700.00	6,958.06	16,175.00	7,061.08	39.52	299.17	-114.11	1,449.56	368.11	627.17	435.17	191.99	3.267		
7,800.00	6,959.09	16,175.00	7,061.08	41.25	299.17	-114.11	1,449.56	368.11	709.59	535.90	173.69	4.085		
7,900.00	6,960.12	16,175.00	7,061.08	43.09	299.17	-114.11	1,449.56	368.11	796.05	637.15	158.89	5.010		
8,000.00	6,961.15	16,175.00	7,061.08	45.04	299.17	-114.11	1,449.56	368.11	885.36	738.42	146.94	6.025		
8,100.00	6,962.18	16,175.00	7,061.08	47.08	299.17	-114.11	1,449.56	368.11	976.75	839.50	137.25	7.117		
8,200.00	6,963.21	16,175.00	7,061.08	49.20	299.17	-114.11	1,449.56	368.11	1,069.68	940.34	129.34	8.270		
8,300.00	6,964.24	16,175.00	7,061.08	51.39	299.17	-114.11	1,449.56	368.11	1,163.78	1,040.94	122.84	9.474		
8,400.00	6,965.27	16,175.00	7,061.08	53.64	299.17	-114.11	1,449.56	368.11	1,258.80	1,141.33	117.47	10.716		
8,500.00	6,966.30	16,175.00	7,061.08	55.95	299.17	-114.11	1,449.56	368.11	1,354.53	1,241.52	113.00	11.986		
8,600.00	6,967.33	16,175.00	7,061.08	58.30	299.17	-114.11	1,449.56	368.11	1,450.83	1,341.57	109.27	13.278		
8,700.00	6,968.37	16,175.00	7,061.08	60.70	299.17	-114.11	1,449.56	368.11	1,547.61	1,441.48	106.13	14.582		
8,800.00	6,969.40	16,175.00	7,061.08	63.14	299.17	-114.11	1,449.56	368.11	1,644.77	1,541.29	103.48	15.895		
8,900.00	6,970.43	16,175.00	7,061.08	65.60	299.17	-114.11	1,449.56	368.11	1,742.25	1,641.02	101.23	17.210		
9,000.00	6,971.46	16,175.00	7,061.08	68.10	299.17	-114.11	1,449.56	368.11	1,840.01	1,740.68	99.32	18.526		
9,100.00	6,972.49	16,175.00	7,061.08	70.63	299.17	-114.11	1,449.56	368.11	1,937.99	1,840.30	97.69	19.838		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,200.00	6,973.52	16,175.00	7,061.08	73.18	299.17	-114.11	1,449.56	368.11	2,036.17	1,939.87	96.30	21.145		
9,300.00	6,974.55	16,175.00	7,061.08	75.75	299.17	-114.11	1,449.56	368.11	2,134.51	2,039.42	95.10	22.445		
9,400.00	6,975.58	16,175.00	7,061.08	78.34	299.17	-114.11	1,449.56	368.11	2,233.01	2,138.94	94.07	23.738		
9,500.00	6,976.61	16,175.00	7,061.08	80.94	299.17	-114.11	1,449.56	368.11	2,331.63	2,238.45	93.18	25.023		
9,600.00	6,977.64	16,175.00	7,061.08	83.56	299.17	-114.11	1,449.56	368.11	2,430.37	2,337.95	92.41	26.299		
9,700.00	6,978.68	16,175.00	7,061.08	86.20	299.17	-114.11	1,449.56	368.11	2,529.20	2,437.45	91.75	27.566		
9,800.00	6,979.71	16,175.00	7,061.08	88.85	299.17	-114.11	1,449.56	368.11	2,628.12	2,536.94	91.18	28.824		
9,900.00	6,980.74	16,175.00	7,061.08	91.51	299.17	-114.11	1,449.56	368.11	2,727.12	2,636.44	90.68	30.073		
10,000.00	6,981.77	16,175.00	7,061.08	94.19	299.17	-114.11	1,449.56	368.11	2,826.20	2,735.94	90.25	31.314		
10,100.00	6,982.80	16,175.00	7,061.08	96.87	299.17	-114.11	1,449.56	368.11	2,925.33	2,835.45	89.88	32.546		
10,200.00	6,983.83	16,175.00	7,061.08	99.56	299.17	-114.11	1,449.56	368.11	3,024.52	2,934.96	89.56	33.769		
10,300.00	6,984.86	16,175.00	7,061.08	102.27	299.17	-114.11	1,449.56	368.11	3,123.77	3,034.48	89.29	34.985		
10,400.00	6,985.89	16,175.00	7,061.08	104.98	299.17	-114.11	1,449.56	368.11	3,223.06	3,134.01	89.05	36.194		
10,500.00	6,986.92	16,175.00	7,061.08	107.69	299.17	-114.11	1,449.56	368.11	3,322.39	3,233.54	88.85	37.395		
10,600.00	6,987.95	16,175.00	7,061.08	110.41	299.17	-114.11	1,449.56	368.11	3,421.76	3,333.09	88.67	38.589		
10,700.00	6,988.99	16,175.00	7,061.08	113.14	299.17	-114.11	1,449.56	368.11	3,521.17	3,432.64	88.52	39.776		
10,800.00	6,990.02	16,175.00	7,061.08	115.88	299.17	-114.11	1,449.56	368.11	3,620.61	3,532.21	88.40	40.957		
10,900.00	6,991.05	16,175.00	7,061.08	118.62	299.17	-114.11	1,449.56	368.11	3,720.08	3,631.78	88.30	42.131		
11,000.00	6,992.08	16,175.00	7,061.08	121.37	299.17	-114.11	1,449.56	368.11	3,819.57	3,731.36	88.21	43.300		
11,100.00	6,993.11	16,175.00	7,061.08	124.12	299.17	-114.11	1,449.56	368.11	3,919.10	3,830.95	88.14	44.463		
11,200.00	6,994.14	16,175.00	7,061.08	126.87	299.17	-114.11	1,449.56	368.11	4,018.64	3,930.55	88.09	45.620		
11,300.00	6,995.17	16,175.00	7,061.08	129.63	299.17	-114.11	1,449.56	368.11	4,118.21	4,030.16	88.05	46.772		
11,400.00	6,996.20	16,175.00	7,061.08	132.39	299.17	-114.11	1,449.56	368.11	4,217.80	4,129.78	88.02	47.919		
11,500.00	6,997.23	16,175.00	7,061.08	135.16	299.17	-114.11	1,449.56	368.11	4,317.41	4,229.41	88.00	49.061		
11,600.00	6,998.26	16,175.00	7,061.08	137.93	299.17	-114.11	1,449.56	368.11	4,417.03	4,329.04	87.99	50.198		
11,700.00	6,999.30	16,175.00	7,061.08	140.70	299.17	-114.11	1,449.56	368.11	4,516.68	4,428.69	87.99	51.331		
11,800.00	7,000.33	16,175.00	7,061.08	143.48	299.17	-114.11	1,449.56	368.11	4,616.33	4,528.34	88.00	52.459		
11,900.00	7,001.36	16,175.00	7,061.08	146.26	299.17	-114.11	1,449.56	368.11	4,716.01	4,627.99	88.01	53.583		
12,000.00	7,002.39	16,175.00	7,061.08	149.04	299.17	-114.11	1,449.56	368.11	4,815.69	4,727.66	88.03	54.702		
12,100.00	7,003.42	16,175.00	7,061.08	151.82	299.17	-114.11	1,449.56	368.11	4,915.39	4,827.33	88.06	55.818		
12,200.00	7,004.45	16,175.00	7,061.08	154.61	299.17	-114.11	1,449.56	368.11	5,015.10	4,927.01	88.09	56.929		
12,300.00	7,005.48	16,175.00	7,061.08	157.40	299.17	-114.11	1,449.56	368.11	5,114.82	5,026.69	88.13	58.037		
12,400.00	7,006.51	16,175.00	7,061.08	160.19	299.17	-114.11	1,449.56	368.11	5,214.56	5,126.38	88.17	59.140		
12,500.00	7,007.54	16,175.00	7,061.08	162.98	299.17	-114.11	1,449.56	368.11	5,314.30	5,226.08	88.22	60.240		
12,600.00	7,008.57	16,175.00	7,061.08	165.78	299.17	-114.11	1,449.56	368.11	5,414.05	5,325.78	88.27	61.336		
12,700.00	7,009.61	16,175.00	7,061.08	168.58	299.17	-114.11	1,449.56	368.11	5,513.81	5,425.49	88.32	62.429		
12,800.00	7,010.64	16,175.00	7,061.08	171.38	299.17	-114.11	1,449.56	368.11	5,613.58	5,525.20	88.38	63.518		
12,900.00	7,011.67	16,175.00	7,061.08	174.18	299.17	-114.11	1,449.56	368.11	5,713.36	5,624.92	88.44	64.604		
13,000.00	7,012.70	16,175.00	7,061.08	176.98	299.17	-114.11	1,449.56	368.11	5,813.14	5,724.65	88.50	65.686		
13,100.00	7,013.73	16,175.00	7,061.08	179.78	299.17	-114.11	1,449.56	368.11	5,912.94	5,824.37	88.56	66.764		
13,200.00	7,014.76	16,175.00	7,061.08	182.59	299.17	-114.11	1,449.56	368.11	6,012.74	5,924.11	88.63	67.840		
13,300.00	7,015.79	16,175.00	7,061.08	185.39	299.17	-114.11	1,449.56	368.11	6,112.54	6,023.84	88.70	68.912		
13,400.00	7,016.82	16,175.00	7,061.08	188.20	299.17	-114.11	1,449.56	368.11	6,212.36	6,123.58	88.77	69.980		
13,500.00	7,017.85	16,175.00	7,061.08	191.01	299.17	-114.11	1,449.56	368.11	6,312.17	6,223.33	88.85	71.046		
13,600.00	7,018.88	16,175.00	7,061.08	193.82	299.17	-114.11	1,449.56	368.11	6,412.00	6,323.07	88.92	72.108		
13,700.00	7,019.91	16,175.00	7,061.08	196.63	299.17	-114.11	1,449.56	368.11	6,511.83	6,422.83	89.00	73.167		
13,800.00	7,020.95	16,175.00	7,061.08	199.44	299.17	-114.11	1,449.56	368.11	6,611.66	6,522.58	89.08	74.223		
13,900.00	7,021.98	16,175.00	7,061.08	202.26	299.17	-114.11	1,449.56	368.11	6,711.50	6,622.34	89.16	75.275		
14,000.00	7,023.01	16,175.00	7,061.08	205.07	299.17	-114.11	1,449.56	368.11	6,811.34	6,722.10	89.24	76.325		
14,100.00	7,024.04	16,175.00	7,061.08	207.89	299.17	-114.11	1,449.56	368.11	6,911.19	6,821.87	89.32	77.371		
14,200.00	7,025.07	16,175.00	7,061.08	210.70	299.17	-114.11	1,449.56	368.11	7,011.05	6,921.64	89.41	78.415		
14,300.00	7,026.10	16,175.00	7,061.08	213.52	299.17	-114.11	1,449.56	368.11	7,110.90	7,021.41	89.50	79.455		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,400.00	7,027.13	16,175.00	7,061.08	216.34	299.17	-114.11	1,449.56	368.11	7,210.76	7,121.18	89.58	80.492		
14,500.00	7,028.16	16,175.00	7,061.08	219.16	299.17	-114.11	1,449.56	368.11	7,310.63	7,220.96	89.67	81.526		
14,600.00	7,029.19	16,175.00	7,061.08	221.98	299.17	-114.11	1,449.56	368.11	7,410.50	7,320.74	89.76	82.557		
14,700.00	7,030.22	16,175.00	7,061.08	224.80	299.17	-114.11	1,449.56	368.11	7,510.37	7,420.52	89.85	83.585		
14,800.00	7,031.26	16,175.00	7,061.08	227.62	299.17	-114.11	1,449.56	368.11	7,610.24	7,520.30	89.94	84.611		
14,900.00	7,032.29	16,175.00	7,061.08	230.44	299.17	-114.11	1,449.56	368.11	7,710.12	7,620.09	90.04	85.633		
15,000.00	7,033.32	16,175.00	7,061.08	233.26	299.17	-114.11	1,449.56	368.11	7,810.00	7,719.87	90.13	86.652		
15,100.00	7,034.35	16,175.00	7,061.08	236.09	299.17	-114.11	1,449.56	368.11	7,909.89	7,819.66	90.23	87.668		
15,200.00	7,035.38	16,175.00	7,061.08	238.91	299.17	-114.11	1,449.56	368.11	8,009.78	7,919.45	90.32	88.681		
15,300.00	7,036.41	16,175.00	7,061.08	241.74	299.17	-114.11	1,449.56	368.11	8,109.67	8,019.25	90.42	89.691		
15,400.00	7,037.44	16,175.00	7,061.08	244.56	299.17	-114.11	1,449.56	368.11	8,209.56	8,119.04	90.52	90.698		
15,500.00	7,038.47	16,175.00	7,061.08	247.39	299.17	-114.11	1,449.56	368.11	8,309.46	8,218.84	90.61	91.702		
15,600.00	7,039.50	16,175.00	7,061.08	250.21	299.17	-114.11	1,449.56	368.11	8,409.35	8,318.64	90.71	92.703		
15,700.00	7,040.53	16,175.00	7,061.08	253.04	299.17	-114.11	1,449.56	368.11	8,509.25	8,418.44	90.81	93.701		
15,800.00	7,041.57	16,175.00	7,061.08	255.87	299.17	-114.11	1,449.56	368.11	8,609.16	8,518.24	90.91	94.696		
15,900.00	7,042.60	16,175.00	7,061.08	258.70	299.17	-114.11	1,449.56	368.11	8,709.06	8,618.05	91.01	95.688		
16,000.00	7,043.63	16,175.00	7,061.08	261.53	299.17	-114.11	1,449.56	368.11	8,808.97	8,717.85	91.12	96.678		
16,100.00	7,044.66	16,175.00	7,061.08	264.35	299.17	-114.11	1,449.56	368.11	8,908.88	8,817.66	91.22	97.664		
16,200.00	7,045.69	16,175.00	7,061.08	267.18	299.17	-114.11	1,449.56	368.11	9,008.79	8,917.47	91.32	98.647		
16,300.00	7,046.72	16,175.00	7,061.08	270.01	299.17	-114.11	1,449.56	368.11	9,108.70	9,017.27	91.43	99.627		
16,400.00	7,047.75	16,175.00	7,061.08	272.84	299.17	-114.11	1,449.56	368.11	9,208.62	9,117.08	91.53	100.605		
16,500.00	7,048.78	16,175.00	7,061.08	275.67	299.17	-114.11	1,449.56	368.11	9,308.53	9,216.90	91.64	101.579		
16,600.00	7,049.81	16,175.00	7,061.08	278.51	299.17	-114.11	1,449.56	368.11	9,408.45	9,316.71	91.74	102.551		
16,700.00	7,050.84	16,175.00	7,061.08	281.34	299.17	-114.11	1,449.56	368.11	9,508.37	9,416.52	91.85	103.519		
16,800.00	7,051.88	16,175.00	7,061.08	284.17	299.17	-114.11	1,449.56	368.11	9,608.30	9,516.34	91.96	104.485		
16,900.00	7,052.91	16,175.00	7,061.08	287.00	299.17	-114.11	1,449.56	368.11	9,708.22	9,616.15	92.07	105.447		
17,000.00	7,053.94	16,175.00	7,061.08	289.83	299.17	-114.11	1,449.56	368.11	9,808.14	9,715.97	92.18	106.407		
17,100.00	7,054.97	16,175.00	7,061.08	292.67	299.17	-114.11	1,449.56	368.11	9,908.07	9,815.79	92.29	107.363		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2,239.00	2,159.58	3.28	14.67	-72.23	2,596.85	-8,101.48	8,787.50					
100.00	100.00	2,270.53	2,189.13	3.28	14.93	-72.28	2,586.92	-8,096.77	8,762.83	8,745.99	16.84	520.334		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-72.38	2,568.48	-8,088.86	8,738.98	8,721.71	17.27	506.006		
300.00	299.98	2,328.00	2,242.99	3.45	15.41	-69.95	2,568.48	-8,088.86	8,715.08	8,697.73	17.35	502.403		
400.00	399.84	2,382.85	2,294.38	3.61	15.87	-70.54	2,550.60	-8,081.97	8,690.73	8,672.86	17.87	486.202		
500.00	499.45	2,428.35	2,337.01	3.82	16.24	-71.13	2,535.63	-8,076.61	8,665.91	8,647.52	18.38	471.420		
600.00	598.70	2,489.63	2,394.42	4.07	16.75	-71.79	2,515.35	-8,069.69	8,640.50	8,621.45	19.05	453.502		
680.00	677.76	2,686.00	2,578.52	4.29	18.39	-72.78	2,451.15	-8,046.30	8,619.40	8,598.70	20.69	416.505		
700.00	697.48	2,686.00	2,578.52	4.35	18.39	-72.78	2,451.15	-8,046.30	8,613.89	8,593.14	20.75	415.117		
800.00	796.08	2,730.33	2,620.10	4.66	18.77	-72.91	2,436.85	-8,040.68	8,586.68	8,565.32	21.36	401.906		
900.00	894.68	2,775.00	2,662.03	4.98	19.14	-73.05	2,422.39	-8,035.43	8,560.26	8,538.25	22.01	388.883		
1,000.00	993.28	2,800.89	2,686.34	5.34	19.35	-73.13	2,413.96	-8,032.57	8,534.53	8,511.98	22.55	378.443		
1,100.00	1,091.88	2,840.36	2,723.39	5.71	19.68	-73.25	2,400.97	-8,028.43	8,509.53	8,486.31	23.21	366.580		
1,200.00	1,190.48	2,898.50	2,777.91	6.10	20.17	-73.43	2,381.62	-8,022.76	8,485.18	8,461.15	24.03	353.047		
1,300.00	1,289.07	2,990.37	2,864.09	6.49	20.93	-73.71	2,351.03	-8,013.84	8,461.13	8,436.00	25.13	336.750		
1,400.00	1,387.67	3,076.73	2,945.08	6.90	21.66	-73.98	2,322.28	-8,005.39	8,437.24	8,411.05	26.19	322.140		
1,500.00	1,486.27	3,171.70	3,034.17	7.31	22.45	-74.28	2,290.68	-7,996.17	8,413.64	8,386.31	27.33	307.804		
1,600.00	1,584.87	3,270.00	3,163.96	7.73	23.24	-74.71	2,244.82	-7,981.85	8,389.70	8,373.59	28.69	292.551		
1,700.00	1,683.47	3,370.35	3,220.48	8.16	24.13	-74.90	2,224.95	-7,975.47	8,365.94	8,336.22	29.72	281.537		
1,800.00	1,782.07	3,472.27	3,309.77	8.59	24.98	-75.82	2,026.98	-7,886.46	8,338.84	8,304.17	34.67	240.512		
1,900.00	1,880.67	4,028.00	3,837.19	9.02	29.73	-76.90	2,018.26	-7,881.31	8,310.34	8,274.98	35.35	235.067		
2,000.00	1,979.27	4,058.96	3,866.25	9.46	29.99	-77.00	2,008.94	-7,876.10	8,282.62	8,246.57	36.06	229.705		
2,100.00	2,077.87	4,082.81	3,888.65	9.90	30.20	-77.07	2,001.67	-7,872.32	8,255.79	8,219.07	36.72	224.837		
2,200.00	2,176.47	4,117.00	3,920.77	10.35	30.49	-77.17	1,991.11	-7,867.26	8,229.85	8,192.39	37.46	219.711		
2,300.00	2,275.07	4,141.95	3,944.22	10.79	30.70	-77.25	1,983.30	-7,863.78	8,204.72	8,166.57	38.14	215.112		
2,400.00	2,373.67	4,185.85	3,985.42	11.24	31.08	-77.39	1,969.35	-7,857.90	8,180.30	8,141.33	38.97	209.929		
2,500.00	2,472.27	4,255.00	4,050.25	11.69	31.67	-77.61	1,946.98	-7,849.07	8,156.50	8,116.52	39.99	203.985		
2,600.00	2,570.87	4,364.02	4,152.45	12.14	32.61	-77.97	1,911.72	-7,835.04	8,132.88	8,091.57	41.31	196.894		
2,700.00	2,669.47	4,471.72	4,259.39	12.59	33.61	-79.08	1,801.90	-7,783.87	8,108.62	8,064.29	44.33	182.916		
2,800.00	2,768.07	4,578.00	4,364.58	13.04	34.67	-79.28	1,781.95	-7,772.95	8,082.52	8,037.19	45.32	178.333		
2,900.00	2,866.67	4,683.00	4,469.12	13.50	35.65	-79.46	1,764.91	-7,764.12	8,057.07	8,010.82	46.25	174.206		
3,000.00	2,965.27	4,788.52	4,573.45	13.95	36.65	-79.62	1,749.09	-7,756.27	8,032.20	7,985.05	47.16	170.335		
3,100.00	3,063.87	4,893.37	4,678.88	14.41	37.70	-79.85	1,727.05	-7,745.63	8,007.82	7,959.62	48.20	166.126		
3,200.00	3,162.47	5,002.00	4,789.80	14.87	38.21	-80.04	1,708.53	-7,736.77	7,983.81	7,934.64	49.18	162.352		
3,300.00	3,261.07	5,071.92	4,815.95	15.32	38.72	-80.24	1,689.56	-7,727.93	7,960.34	7,910.18	50.16	158.692		
3,400.00	3,359.67	5,122.67	4,863.53	15.78	39.16	-80.41	1,673.45	-7,720.74	7,937.55	7,886.46	51.09	155.378		
3,500.00	3,458.27	5,179.30	4,916.65	16.24	39.65	-80.60	1,655.44	-7,712.95	7,915.35	7,863.29	52.05	152.058		
3,600.00	3,556.87	5,238.16	4,971.91	16.70	40.16	-80.80	1,636.76	-7,705.07	7,893.72	7,840.68	53.04	148.820		
3,700.00	3,655.47	5,298.17	5,028.30	17.16	40.67	-81.00	1,617.80	-7,697.23	7,872.65	7,818.61	54.04	145.679		
3,800.00	3,754.06	5,359.14	5,085.57	17.62	41.19	-81.20	1,598.35	-7,689.50	7,852.11	7,797.06	55.05	142.633		
3,900.00	3,852.66	5,415.97	5,138.92	18.08	41.67	-81.40	1,580.05	-7,682.53	7,832.14	7,776.11	56.04	139.772		
4,000.00	3,951.26	5,476.87	5,196.13	18.54	42.19	-81.61	1,560.47	-7,675.31	7,812.77	7,755.72	57.05	136.941		
4,100.00	4,049.86	5,564.20	5,278.27	19.01	42.93	-81.90	1,532.64	-7,665.05	7,793.83	7,735.56	58.27	133.760		
4,200.00	4,148.46	5,639.00	5,348.59	19.47	43.57	-82.16	1,508.80	-7,656.06	7,774.93	7,715.54	59.39	130.911		
4,300.00	4,247.06	5,689.98	5,396.49	19.93	44.00	-82.34	1,492.40	-7,650.12	7,756.65	7,696.31	60.34	128.548		
4,400.00	4,345.66	5,728.00	5,432.23	20.39	44.32	-82.47	1,480.06	-7,646.07	7,739.31	7,678.12	61.19	126.477		
4,500.00	4,444.26	5,997.00	5,684.71	20.86	46.62	-83.41	1,392.91	-7,614.37	7,720.99	7,657.17	63.82	120.988		
4,600.00	4,542.86	6,050.54	5,735.01	21.32	47.08	-83.60	1,375.92	-7,607.42	7,702.40	7,637.61	64.79	118.875		
4,700.00	4,641.46	6,086.00	5,768.33	21.78	47.38	-83.72	1,364.58	-7,603.14	7,684.75	7,619.11	65.64	117.082		
4,800.00	4,740.06	6,316.07	5,984.25	22.25	49.36	-84.53	1,291.17	-7,572.94	7,665.79	7,597.84	67.95	112.812		
4,900.00	4,838.66	6,355.00	6,020.78	22.71	49.70	-84.67	1,278.70	-7,567.87	7,647.71	7,578.88	68.83	111.110		
5,000.00	4,937.26	6,355.00	6,020.78	23.18	49.70	-84.67	1,278.70	-7,567.87	7,630.58	7,561.17	69.41	109.932		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,035.86	6,395.52	6,058.81	23.64	50.04	-84.81	1,265.53	-7,563.09	7,614.36	7,544.06	70.30	108.308		
5,200.00	5,134.46	6,445.00	6,105.23	24.11	50.47	-84.99	1,249.21	-7,557.97	7,599.29	7,528.03	71.26	106.635		
5,300.00	5,233.06	6,445.00	6,105.23	24.57	50.47	-84.99	1,249.21	-7,557.97	7,584.97	7,513.14	71.83	105.595		
5,400.00	5,331.66	6,487.81	6,145.45	25.04	50.82	-85.15	1,235.08	-7,554.01	7,571.68	7,498.95	72.73	104.104		
5,500.00	5,430.26	6,534.00	6,188.96	25.50	51.21	-85.32	1,220.10	-7,550.05	7,559.24	7,485.59	73.66	102.627		
5,600.00	5,528.86	6,534.00	6,188.96	25.97	51.21	-85.32	1,220.10	-7,550.05	7,547.80	7,473.59	74.21	101.715		
5,700.00	5,627.46	6,534.00	6,188.96	26.43	51.21	-85.32	1,220.10	-7,550.05	7,537.66	7,462.91	74.74	100.847		
5,800.00	5,726.06	6,534.00	6,188.96	26.90	51.21	-85.32	1,220.10	-7,550.05	7,528.83	7,453.56	75.27	100.024		
5,900.00	5,824.66	6,578.92	6,231.37	27.36	51.57	-85.48	1,205.59	-7,547.22	7,520.33	7,444.17	76.16	98.744		
6,000.00	5,923.26	6,624.00	6,273.97	27.83	51.92	-85.64	1,190.88	-7,546.13	7,514.11	7,437.06	77.05	97.525		
6,100.00	6,021.86	6,624.00	6,273.97	28.30	51.92	-85.64	1,190.88	-7,546.13	7,508.20	7,430.65	77.55	96.815		
6,200.00	6,120.46	6,624.00	6,273.97	28.76	51.92	-85.64	1,190.88	-7,546.13	7,503.62	7,425.58	78.04	96.147		
6,300.00	6,219.06	6,624.00	6,273.97	29.23	51.92	-85.64	1,190.88	-7,546.13	7,500.38	7,421.85	78.52	95.518		
6,405.66	6,323.24	6,624.00	6,273.97	29.72	51.92	-85.64	1,190.88	-7,546.13	7,498.39	7,419.38	79.02	94.896		
6,412.55	6,330.03	6,624.00	6,273.97	29.75	51.92	-89.31	1,190.88	-7,546.13	7,498.35	7,419.30	79.05	94.858 CC, ES		
6,450.00	6,366.93	6,624.00	6,273.97	29.93	51.92	-108.32	1,190.88	-7,546.13	7,499.55	7,420.33	79.22	94.670		
6,500.00	6,415.96	6,624.00	6,273.97	30.15	51.92	-127.70	1,190.88	-7,546.13	7,504.85	7,425.41	79.44	94.475		
6,550.00	6,464.44	6,624.00	6,273.97	30.37	51.92	-140.06	1,190.88	-7,546.13	7,514.36	7,434.71	79.65	94.346		
6,600.00	6,512.08	6,624.00	6,273.97	30.58	51.92	-147.87	1,190.88	-7,546.13	7,528.00	7,448.16	79.84	94.285 SF		
6,650.00	6,558.58	6,624.00	6,273.97	30.78	51.92	-153.03	1,190.88	-7,546.13	7,545.66	7,465.63	80.03	94.289		
6,700.00	6,603.65	6,624.00	6,273.97	30.97	51.92	-156.58	1,190.88	-7,546.13	7,567.21	7,487.01	80.20	94.357		
6,750.00	6,647.02	6,624.00	6,273.97	31.15	51.92	-159.11	1,190.88	-7,546.13	7,592.48	7,512.12	80.35	94.488		
6,800.00	6,688.42	6,624.00	6,273.97	31.31	51.92	-160.95	1,190.88	-7,546.13	7,621.28	7,540.78	80.50	94.679		
6,850.00	6,727.59	6,624.00	6,273.97	31.46	51.92	-162.29	1,190.88	-7,546.13	7,653.39	7,572.76	80.62	94.927		
6,900.00	6,764.29	6,665.92	6,313.57	31.60	52.21	-163.49	1,177.18	-7,547.19	7,687.21	7,606.10	81.11	94.773		
6,950.00	6,798.30	6,668.27	6,315.79	31.73	52.23	-164.19	1,176.41	-7,547.32	7,725.06	7,643.83	81.23	95.097		
7,000.00	6,829.41	6,670.37	6,317.77	31.84	52.24	-164.61	1,175.73	-7,547.45	7,765.46	7,684.12	81.34	95.470		
7,050.00	6,857.42	6,672.20	6,319.50	32.03	52.25	-164.76	1,175.13	-7,547.56	7,808.13	7,726.70	81.43	95.888		
7,100.00	6,882.16	6,714.00	6,358.83	32.36	52.54	-164.99	1,161.57	-7,551.47	7,854.02	7,772.16	81.87	95.936		
7,150.00	6,903.48	6,714.00	6,358.83	32.73	52.54	-164.50	1,161.57	-7,551.47	7,900.26	7,818.34	81.92	96.442		
7,200.00	6,921.25	6,714.00	6,358.83	33.15	52.54	-163.38	1,161.57	-7,551.47	7,947.87	7,865.91	81.96	96.977		
7,250.00	6,935.36	6,714.00	6,358.83	33.61	52.54	-161.00	1,161.57	-7,551.47	7,996.54	7,914.55	81.99	97.536		
7,300.00	6,945.72	6,714.00	6,358.83	34.11	52.54	-154.91	1,161.57	-7,551.47	8,045.95	7,963.95	82.01	98.113		
7,350.00	6,952.26	6,714.00	6,358.83	34.65	52.54	-125.43	1,161.57	-7,551.47	8,095.80	8,013.78	82.02	98.702		
7,403.14	6,955.00	6,714.00	6,358.83	35.26	52.54	-19.08	1,161.57	-7,551.47	8,148.89	8,066.86	82.03	99.334		
7,500.00	6,955.99	6,714.00	6,358.83	36.49	52.54	-19.08	1,161.57	-7,551.47	8,245.58	8,163.52	82.06	100.488		
7,600.00	6,957.03	6,714.00	6,358.83	37.93	52.54	-19.08	1,161.57	-7,551.47	8,345.40	8,263.32	82.08	101.677		
7,700.00	6,958.06	6,714.00	6,358.83	39.52	52.54	-19.08	1,161.57	-7,551.47	8,445.22	8,363.12	82.10	102.865		
7,800.00	6,959.09	6,714.00	6,358.83	41.25	52.54	-19.08	1,161.57	-7,551.47	8,545.05	8,462.92	82.12	104.051		
7,900.00	6,960.12	6,714.00	6,358.83	43.09	52.54	-19.08	1,161.57	-7,551.47	8,644.88	8,562.73	82.15	105.235		
8,000.00	6,961.15	6,714.00	6,358.83	45.04	52.54	-19.08	1,161.57	-7,551.47	8,744.71	8,662.54	82.17	106.417		
8,100.00	6,962.18	6,714.00	6,358.83	47.08	52.54	-19.08	1,161.57	-7,551.47	8,844.55	8,762.35	82.20	107.597		
8,200.00	6,963.21	6,714.00	6,358.83	49.20	52.54	-19.08	1,161.57	-7,551.47	8,944.40	8,862.17	82.23	108.775		
8,300.00	6,964.24	6,714.00	6,358.83	51.39	52.54	-19.08	1,161.57	-7,551.47	9,044.24	8,961.99	82.26	109.951		
8,400.00	6,965.27	6,672.62	6,319.89	53.64	52.26	-19.07	1,175.00	-7,547.59	9,142.78	9,060.86	81.93	111.598		
8,500.00	6,966.30	6,672.20	6,319.49	55.95	52.25	-19.07	1,175.13	-7,547.56	9,242.61	9,160.66	81.95	112.779		
8,600.00	6,967.33	6,671.79	6,319.11	58.30	52.25	-19.07	1,175.27	-7,547.54	9,342.44	9,260.46	81.98	113.956		
8,700.00	6,968.37	6,671.39	6,318.73	60.70	52.25	-19.07	1,175.40	-7,547.51	9,442.27	9,360.26	82.01	115.132		
8,800.00	6,969.40	6,670.99	6,318.36	63.14	52.25	-19.07	1,175.53	-7,547.49	9,542.11	9,460.07	82.04	116.306		
8,900.00	6,970.43	6,670.61	6,317.99	65.60	52.24	-19.07	1,175.65	-7,547.46	9,641.95	9,559.88	82.08	117.477		
9,000.00	6,971.46	6,670.23	6,317.64	68.10	52.24	-19.07	1,175.77	-7,547.44	9,741.79	9,659.69	82.11	118.646		
9,100.00	6,972.49	6,669.86	6,317.29	70.63	52.24	-19.07	1,175.90	-7,547.42	9,841.64	9,759.50	82.14	119.812		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 State 36N-35C-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									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
9,200.00	6,973.52	6,669.49	6,316.94	73.18	52.24	-19.07	1,176.01	-7,547.39	9,941.49	9,859.31	82.18	120.977	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-87.35	344.30	-7,449.16	7,457.13					
100.00	100.00	87.00	87.00	3.28	3.61	-87.35	344.30	-7,449.16	7,457.11	7,450.21	6.90	1,080.868		
200.00	200.00	187.00	187.00	3.34	5.80	-87.35	344.30	-7,449.16	7,457.11	7,447.98	9.14	816.201		
300.00	299.98	286.98	286.98	3.45	8.90	-84.47	344.30	-7,449.16	7,456.95	7,444.60	12.34	604.088		
400.00	399.84	386.84	386.84	3.61	12.21	-84.52	344.30	-7,449.16	7,456.44	7,440.63	15.81	471.609		
500.00	499.45	486.45	486.45	3.82	15.59	-84.60	344.30	-7,449.16	7,455.61	7,436.22	19.39	384.474		
600.00	598.70	585.70	585.70	4.07	18.99	-84.72	344.30	-7,449.16	7,454.47	7,431.43	23.04	323.587		
680.00	677.76	664.76	664.76	4.29	21.71	-84.83	344.30	-7,449.16	7,453.34	7,427.36	25.98	286.862		
700.00	697.48	684.48	684.48	4.35	22.39	-84.86	344.30	-7,449.16	7,453.04	7,426.32	26.72	278.913		
800.00	796.08	783.08	783.08	4.66	25.80	-84.98	344.30	-7,449.16	7,451.54	7,421.10	30.44	244.767		
900.00	894.68	881.68	881.68	4.98	29.22	-85.11	344.30	-7,449.16	7,450.08	7,415.89	34.20	217.855		
1,000.00	993.28	980.28	980.28	5.34	32.64	-85.24	344.30	-7,449.16	7,448.66	7,410.68	37.98	196.138		
1,100.00	1,091.88	1,078.88	1,078.88	5.71	36.07	-85.36	344.30	-7,449.16	7,447.27	7,405.50	41.78	178.267		
1,200.00	1,190.48	1,177.48	1,177.48	6.10	39.50	-85.49	344.30	-7,449.16	7,445.93	7,400.33	45.59	163.319		
1,300.00	1,289.07	1,276.07	1,276.07	6.49	42.93	-85.62	344.30	-7,449.16	7,444.61	7,395.19	49.42	150.640		
1,400.00	1,387.67	1,374.67	1,374.67	6.90	46.36	-85.74	344.30	-7,449.16	7,443.34	7,390.08	53.26	139.758		
1,500.00	1,486.27	1,473.27	1,473.27	7.31	49.79	-85.87	344.30	-7,449.16	7,442.10	7,385.00	57.11	130.319		
1,600.00	1,584.87	1,571.87	1,571.87	7.73	53.23	-85.99	344.30	-7,449.16	7,440.90	7,379.94	60.96	122.058		
1,700.00	1,683.47	1,670.47	1,670.47	8.16	56.67	-86.12	344.30	-7,449.16	7,439.74	7,374.92	64.82	114.769		
1,800.00	1,782.07	1,769.07	1,769.07	8.59	60.10	-86.25	344.30	-7,449.16	7,438.61	7,369.92	68.69	108.292		
1,900.00	1,880.67	1,867.67	1,867.67	9.02	63.54	-86.37	344.30	-7,449.16	7,437.52	7,364.96	72.56	102.499		
2,000.00	1,979.27	1,966.27	1,966.27	9.46	66.98	-86.50	344.30	-7,449.16	7,436.47	7,360.04	76.44	97.289		
2,100.00	2,077.87	2,064.87	2,064.87	9.90	70.42	-86.63	344.30	-7,449.16	7,435.46	7,355.14	80.32	92.578		
2,200.00	2,176.47	2,163.47	2,163.47	10.35	73.85	-86.75	344.30	-7,449.16	7,434.48	7,350.29	84.20	88.299		
2,300.00	2,275.07	2,262.07	2,262.07	10.79	77.29	-86.88	344.30	-7,449.16	7,433.54	7,345.46	88.08	84.395		
2,400.00	2,373.67	2,360.67	2,360.67	11.24	80.73	-87.01	344.30	-7,449.16	7,432.64	7,340.67	91.97	80.819		
2,500.00	2,472.27	2,459.27	2,459.27	11.69	84.17	-87.13	344.30	-7,449.16	7,431.78	7,335.92	95.86	77.531		
2,600.00	2,570.87	2,557.87	2,557.87	12.14	87.61	-87.26	344.30	-7,449.16	7,430.95	7,331.20	99.75	74.499		
2,700.00	2,669.47	2,656.47	2,656.47	12.59	91.05	-87.39	344.30	-7,449.16	7,430.16	7,326.52	103.64	71.694		
2,800.00	2,768.07	2,755.07	2,755.07	13.04	94.49	-87.51	344.30	-7,449.16	7,429.41	7,321.88	107.53	69.091		
2,900.00	2,866.67	2,853.67	2,853.67	13.50	97.93	-87.64	344.30	-7,449.16	7,428.69	7,317.27	111.42	66.670		
3,000.00	2,965.27	2,952.27	2,952.27	13.95	101.37	-87.77	344.30	-7,449.16	7,428.01	7,312.69	115.32	64.412		
3,100.00	3,063.87	3,050.87	3,050.87	14.41	104.81	-87.89	344.30	-7,449.16	7,427.37	7,308.15	119.22	62.302		
3,200.00	3,162.47	3,149.47	3,149.47	14.87	108.25	-88.02	344.30	-7,449.16	7,426.77	7,303.65	123.11	60.324		
3,300.00	3,261.07	3,248.07	3,248.07	15.32	111.69	-88.15	344.30	-7,449.16	7,426.20	7,299.19	127.01	58.468		
3,400.00	3,359.67	3,346.67	3,346.67	15.78	115.13	-88.27	344.30	-7,449.16	7,425.67	7,294.76	130.91	56.723		
3,500.00	3,458.27	3,445.27	3,445.27	16.24	118.57	-88.40	344.30	-7,449.16	7,425.18	7,290.37	134.81	55.078		
3,600.00	3,556.87	3,543.87	3,543.87	16.70	122.02	-88.53	344.30	-7,449.16	7,424.73	7,286.02	138.71	53.526		
3,700.00	3,655.47	3,642.47	3,642.47	17.16	125.46	-88.65	344.30	-7,449.16	7,424.31	7,281.70	142.61	52.059		
3,800.00	3,754.06	3,741.06	3,741.06	17.62	128.90	-88.78	344.30	-7,449.16	7,423.93	7,277.42	146.51	50.670		
3,900.00	3,852.66	3,839.66	3,839.66	18.08	132.34	-88.91	344.30	-7,449.16	7,423.59	7,273.18	150.42	49.354		
4,000.00	3,951.26	3,938.26	3,938.26	18.54	135.78	-89.03	344.30	-7,449.16	7,423.29	7,268.97	154.32	48.103		
4,100.00	4,049.86	4,036.86	4,036.86	19.01	139.22	-89.16	344.30	-7,449.16	7,423.02	7,264.80	158.22	46.915		
4,200.00	4,148.46	4,135.46	4,135.46	19.47	142.66	-89.29	344.30	-7,449.16	7,422.79	7,260.67	162.13	45.784		
4,300.00	4,247.06	4,234.06	4,234.06	19.93	146.10	-89.41	344.30	-7,449.16	7,422.60	7,256.57	166.03	44.706		
4,400.00	4,345.66	4,332.66	4,332.66	20.39	149.54	-89.54	344.30	-7,449.16	7,422.45	7,252.51	169.93	43.678		
4,500.00	4,444.26	4,431.26	4,431.26	20.86	152.99	-89.67	344.30	-7,449.16	7,422.33	7,248.49	173.84	42.697		
4,600.00	4,542.86	4,529.86	4,529.86	21.32	156.43	-89.80	344.30	-7,449.16	7,422.25	7,244.51	177.74	41.758		
4,700.00	4,641.46	4,628.46	4,628.46	21.78	159.87	-89.92	344.30	-7,449.16	7,422.21	7,240.56	181.65	40.860		
4,761.19	4,701.79	4,688.79	4,688.79	22.07	161.97	-90.00	344.30	-7,449.16	7,422.20	7,238.16	184.04	40.330 CC		
4,800.00	4,740.06	4,727.06	4,727.06	22.25	163.31	-90.05	344.30	-7,449.16	7,422.21	7,236.65	185.55	40.000		
4,900.00	4,838.66	4,825.66	4,825.66	22.71	166.75	-90.18	344.30	-7,449.16	7,422.24	7,232.78	189.46	39.176		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,924.26	4,924.26	23.18	170.19	-90.30	344.30	-7,449.16	7,422.31	7,228.94	193.37	38.385		
5,100.00	5,035.86	5,022.86	5,022.86	23.64	173.63	-90.43	344.30	-7,449.16	7,422.42	7,225.15	197.27	37.625		
5,200.00	5,134.46	5,121.46	5,121.46	24.11	177.08	-90.56	344.30	-7,449.16	7,422.56	7,221.39	201.18	36.895		
5,300.00	5,233.06	5,220.06	5,220.06	24.57	180.52	-90.68	344.30	-7,449.16	7,422.75	7,217.66	205.09	36.194		
5,400.00	5,331.66	5,318.66	5,318.66	25.04	183.96	-90.81	344.30	-7,449.16	7,422.97	7,213.98	208.99	35.518		
5,500.00	5,430.26	5,417.26	5,417.26	25.50	187.40	-90.94	344.30	-7,449.16	7,423.23	7,210.33	212.90	34.867		
5,600.00	5,528.86	5,515.86	5,515.86	25.97	190.84	-91.06	344.30	-7,449.16	7,423.52	7,206.72	216.81	34.240		
5,700.00	5,627.46	5,614.46	5,614.46	26.43	194.28	-91.19	344.30	-7,449.16	7,423.85	7,203.14	220.71	33.636		
5,800.00	5,726.06	5,713.06	5,713.06	26.90	197.72	-91.32	344.30	-7,449.16	7,424.22	7,199.60	224.62	33.052		
5,900.00	5,824.66	5,811.66	5,811.66	27.36	201.17	-91.45	344.30	-7,449.16	7,424.63	7,196.10	228.53	32.489		
6,000.00	5,923.26	5,910.26	5,910.26	27.83	204.61	-91.57	344.30	-7,449.16	7,425.08	7,192.64	232.44	31.945		
6,100.00	6,021.86	6,008.86	6,008.86	28.30	208.05	-91.70	344.30	-7,449.16	7,425.56	7,189.22	236.34	31.418		
6,200.00	6,120.46	6,107.46	6,107.46	28.76	211.49	-91.83	344.30	-7,449.16	7,426.08	7,185.83	240.25	30.910		
6,300.00	6,219.06	6,206.06	6,206.06	29.23	214.93	-91.95	344.30	-7,449.16	7,426.64	7,182.48	244.16	30.417		
6,405.66	6,323.24	6,310.24	6,310.24	29.72	218.57	-92.09	344.30	-7,449.16	7,427.27	7,178.98	248.29	29.914 ES		
6,450.00	6,366.93	6,353.93	6,353.93	29.93	220.10	-114.83	344.30	-7,449.16	7,429.08	7,179.06	250.02	29.714		
6,500.00	6,415.96	6,402.96	6,402.96	30.15	221.81	-134.33	344.30	-7,449.16	7,434.82	7,182.86	251.96	29.508		
6,550.00	6,464.44	6,451.44	6,451.44	30.37	223.50	-146.85	344.30	-7,449.16	7,444.43	7,190.56	253.87	29.324		
6,600.00	6,512.08	6,500.92	6,499.08	30.58	225.23	-154.87	344.30	-7,449.16	7,457.85	7,202.05	255.81	29.154		
6,650.00	6,558.58	6,545.58	6,545.58	30.78	226.78	-160.29	344.30	-7,449.16	7,475.01	7,217.44	257.56	29.022		
6,700.00	6,603.65	6,609.35	6,590.65	30.97	229.01	-164.16	344.30	-7,449.16	7,495.79	7,235.81	259.98	28.832		
6,750.00	6,647.02	6,634.02	6,634.02	31.15	229.87	-167.08	344.30	-7,449.16	7,520.06	7,259.04	261.02	28.810		
6,800.00	6,688.42	6,675.42	6,675.42	31.31	231.32	-169.40	344.30	-7,449.16	7,547.67	7,285.04	262.63	28.739		
6,850.00	6,727.59	6,714.59	6,714.59	31.46	232.68	-171.33	344.30	-7,449.16	7,578.45	7,314.31	264.15	28.690		
6,900.00	6,764.29	6,751.29	6,751.29	31.60	233.97	-173.03	344.30	-7,449.16	7,612.22	7,346.65	265.57	28.664		
6,950.00	6,798.30	6,785.30	6,785.30	31.73	235.15	-174.59	344.30	-7,449.16	7,648.75	7,381.87	266.88	28.660 SF		
7,000.00	6,829.41	6,816.41	6,816.41	31.84	236.24	-176.13	344.30	-7,449.16	7,687.83	7,419.76	268.07	28.678		
7,050.00	6,857.42	6,844.42	6,844.42	32.03	237.22	-177.75	344.30	-7,449.16	7,729.22	7,460.07	269.14	28.718		
7,100.00	6,882.16	6,869.16	6,869.16	32.36	238.08	-179.59	344.30	-7,449.16	7,772.65	7,502.56	270.08	28.779		
7,150.00	6,903.48	6,909.52	6,890.48	32.73	239.49	178.14	344.30	-7,449.16	7,817.86	7,546.30	271.56	28.789		
7,200.00	6,921.25	6,908.25	6,908.25	33.15	239.44	175.06	344.30	-7,449.16	7,864.57	7,593.01	271.56	28.961		
7,250.00	6,935.36	6,922.36	6,922.36	33.61	239.94	170.36	344.30	-7,449.16	7,912.50	7,640.41	272.09	29.081		
7,300.00	6,945.72	6,932.72	6,932.72	34.11	240.30	161.98	344.30	-7,449.16	7,961.34	7,688.88	272.47	29.219		
7,350.00	6,952.26	6,939.26	6,939.26	34.65	240.53	143.66	344.30	-7,449.16	8,010.81	7,738.10	272.71	29.375		
7,403.14	6,955.00	6,942.00	6,942.00	35.26	240.62	97.20	344.30	-7,449.16	8,063.71	7,790.91	272.80	29.559		
7,500.00	6,955.99	6,942.99	6,942.99	36.49	240.66	97.29	344.30	-7,449.16	8,160.25	7,887.42	272.83	29.909		
7,600.00	6,957.03	6,944.03	6,944.03	37.93	240.69	97.38	344.30	-7,449.16	8,259.93	7,987.06	272.87	30.271		
7,700.00	6,958.06	6,945.06	6,945.06	39.52	240.73	97.47	344.30	-7,449.16	8,359.61	8,086.71	272.90	30.632		
7,800.00	6,959.09	6,946.09	6,946.09	41.25	240.77	97.56	344.30	-7,449.16	8,459.30	8,186.36	272.94	30.993		
7,900.00	6,960.12	6,947.12	6,947.12	43.09	240.80	97.64	344.30	-7,449.16	8,559.00	8,286.01	272.98	31.353		
8,000.00	6,961.15	6,948.15	6,948.15	45.04	240.84	97.73	344.30	-7,449.16	8,658.70	8,385.67	273.03	31.714		
8,100.00	6,962.18	6,949.18	6,949.18	47.08	240.87	97.82	344.30	-7,449.16	8,758.41	8,485.34	273.07	32.073		
8,200.00	6,963.21	6,950.21	6,950.21	49.20	240.91	97.91	344.30	-7,449.16	8,858.13	8,585.01	273.12	32.433		
8,300.00	6,964.24	6,951.24	6,951.24	51.39	240.95	98.00	344.30	-7,449.16	8,957.85	8,684.68	273.17	32.792		
8,400.00	6,965.27	6,952.27	6,952.27	53.64	240.98	98.09	344.30	-7,449.16	9,057.58	8,784.36	273.23	33.151		
8,500.00	6,966.30	6,953.30	6,953.30	55.95	241.02	98.17	344.30	-7,449.16	9,157.32	8,884.04	273.28	33.509		
8,600.00	6,967.33	6,954.33	6,954.33	58.30	241.05	98.26	344.30	-7,449.16	9,257.06	8,983.72	273.34	33.867		
8,700.00	6,968.37	6,955.37	6,955.37	60.70	241.09	98.35	344.30	-7,449.16	9,356.81	9,083.41	273.40	34.224		
8,800.00	6,969.40	6,956.40	6,956.40	63.14	241.13	98.44	344.30	-7,449.16	9,456.56	9,183.10	273.46	34.582		
8,900.00	6,970.43	6,957.43	6,957.43	65.60	241.16	98.53	344.30	-7,449.16	9,556.31	9,282.80	273.52	34.939		
9,000.00	6,971.46	6,958.46	6,958.46	68.10	241.20	98.62	344.30	-7,449.16	9,656.08	9,382.49	273.58	35.295		
9,100.00	6,972.49	6,959.49	6,959.49	70.63	241.23	98.70	344.30	-7,449.16	9,755.84	9,482.19	273.65	35.651		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - PEANUT #1 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)		
9,200.00	6,973.52	6,960.52	6,960.52	73.18	241.27	98.79	344.30	-7,449.16	9,855.61	9,581.90	273.72	36.007	
9,300.00	6,974.55	6,961.55	6,961.55	75.75	241.31	98.88	344.30	-7,449.16	9,955.39	9,681.60	273.78	36.362	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	35.00	35.00	3.28	3.34	-86.41	375.22	-5,983.54	5,995.29					
100.00	100.00	135.00	135.00	3.28	4.42	-86.41	375.22	-5,983.54	5,995.29	5,987.59	7.71	777.825		
200.00	200.00	235.00	235.00	3.34	7.24	-86.41	375.22	-5,983.54	5,995.29	5,984.71	10.58	566.633		
300.00	299.98	334.98	334.98	3.45	10.48	-83.53	375.22	-5,983.54	5,995.10	5,981.18	13.92	430.680		
400.00	399.84	434.84	434.84	3.61	13.83	-83.59	375.22	-5,983.54	5,994.51	5,977.08	17.43	343.879		
500.00	499.45	534.45	534.45	3.82	17.23	-83.70	375.22	-5,983.54	5,993.54	5,972.51	21.03	284.952		
600.00	598.70	633.70	633.70	4.07	20.64	-83.84	375.22	-5,983.54	5,992.21	5,967.52	24.69	242.702		
680.00	677.76	712.76	712.76	4.29	23.37	-83.98	375.22	-5,983.54	5,990.89	5,963.25	27.64	216.746		
700.00	697.48	732.48	732.48	4.35	24.05	-84.01	375.22	-5,983.54	5,990.54	5,962.16	28.38	211.079		
800.00	796.08	831.08	831.08	4.66	27.46	-84.17	375.22	-5,983.54	5,988.80	5,956.69	32.11	186.530		
900.00	894.68	929.68	929.68	4.98	30.88	-84.32	375.22	-5,983.54	5,987.10	5,951.24	35.86	166.944		
1,000.00	993.28	1,028.28	1,028.28	5.34	34.31	-84.48	375.22	-5,983.54	5,985.45	5,945.81	39.64	150.979		
1,100.00	1,091.88	1,126.88	1,126.88	5.71	37.74	-84.64	375.22	-5,983.54	5,983.85	5,940.40	43.44	137.734		
1,200.00	1,190.48	1,225.48	1,225.48	6.10	41.17	-84.79	375.22	-5,983.54	5,982.29	5,935.03	47.26	126.579		
1,300.00	1,289.07	1,324.07	1,324.07	6.49	44.60	-84.95	375.22	-5,983.54	5,980.78	5,929.69	51.09	117.062		
1,400.00	1,387.67	1,422.67	1,422.67	6.90	48.03	-85.11	375.22	-5,983.54	5,979.31	5,924.38	54.93	108.853		
1,500.00	1,486.27	1,521.27	1,521.27	7.31	51.47	-85.26	375.22	-5,983.54	5,977.89	5,919.11	58.78	101.702		
1,600.00	1,584.87	1,619.87	1,619.87	7.73	54.90	-85.42	375.22	-5,983.54	5,976.52	5,913.88	62.63	95.419		
1,700.00	1,683.47	1,718.47	1,718.47	8.16	58.34	-85.58	375.22	-5,983.54	5,975.19	5,908.69	66.50	89.858		
1,800.00	1,782.07	1,817.07	1,817.07	8.59	61.78	-85.73	375.22	-5,983.54	5,973.91	5,903.55	70.36	84.901		
1,900.00	1,880.67	1,915.67	1,915.67	9.02	65.21	-85.89	375.22	-5,983.54	5,972.67	5,898.44	74.23	80.457		
2,000.00	1,979.27	2,014.27	2,014.27	9.46	68.65	-86.05	375.22	-5,983.54	5,971.49	5,893.38	78.11	76.450		
2,100.00	2,077.87	2,112.87	2,112.87	9.90	72.09	-86.21	375.22	-5,983.54	5,970.34	5,888.36	81.99	72.819		
2,200.00	2,176.47	2,211.47	2,211.47	10.35	75.53	-86.36	375.22	-5,983.54	5,969.25	5,883.38	85.87	69.515		
2,300.00	2,275.07	2,310.07	2,310.07	10.79	78.97	-86.52	375.22	-5,983.54	5,968.20	5,878.44	89.75	66.495		
2,400.00	2,373.67	2,408.67	2,408.67	11.24	82.41	-86.68	375.22	-5,983.54	5,967.20	5,873.56	93.64	63.724		
2,500.00	2,472.27	2,507.27	2,507.27	11.69	85.85	-86.84	375.22	-5,983.54	5,966.24	5,868.71	97.53	61.174		
2,600.00	2,570.87	2,605.87	2,605.87	12.14	89.29	-86.99	375.22	-5,983.54	5,965.33	5,863.91	101.42	58.818		
2,700.00	2,669.47	2,704.47	2,704.47	12.59	92.73	-87.15	375.22	-5,983.54	5,964.47	5,859.16	105.31	56.637		
2,800.00	2,768.07	2,803.07	2,803.07	13.04	96.17	-87.31	375.22	-5,983.54	5,963.65	5,854.45	109.20	54.610		
2,900.00	2,866.67	2,901.67	2,901.67	13.50	99.61	-87.47	375.22	-5,983.54	5,962.88	5,849.78	113.10	52.723		
3,000.00	2,965.27	3,000.27	3,000.27	13.95	103.05	-87.63	375.22	-5,983.54	5,962.16	5,845.16	116.99	50.961		
3,100.00	3,063.87	3,101.13	3,098.87	14.41	106.57	-87.78	375.22	-5,983.54	5,961.48	5,840.51	120.97	49.281		
3,200.00	3,162.47	3,202.53	3,197.47	14.87	110.10	-87.94	375.22	-5,983.54	5,960.85	5,835.88	124.97	47.700		
3,300.00	3,261.07	3,303.93	3,296.07	15.32	113.64	-88.10	375.22	-5,983.54	5,960.26	5,831.30	128.96	46.217		
3,400.00	3,359.67	3,405.33	3,394.67	15.78	117.18	-88.26	375.22	-5,983.54	5,959.73	5,826.77	132.96	44.824		
3,500.00	3,458.27	3,506.73	3,493.27	16.24	120.72	-88.42	375.22	-5,983.54	5,959.24	5,822.28	136.96	43.512		
3,600.00	3,556.87	3,608.13	3,591.87	16.70	124.26	-88.57	375.22	-5,983.54	5,958.79	5,817.84	140.95	42.275		
3,700.00	3,655.47	3,709.53	3,690.47	17.16	127.80	-88.73	375.22	-5,983.54	5,958.39	5,813.44	144.95	41.106		
3,800.00	3,754.06	3,789.06	3,789.06	17.62	130.57	-88.89	375.22	-5,983.54	5,958.04	5,809.85	148.19	40.206		
3,900.00	3,852.66	3,887.66	3,887.66	18.08	134.01	-89.05	375.22	-5,983.54	5,957.74	5,805.65	152.09	39.172		
4,000.00	3,951.26	3,986.26	3,986.26	18.54	137.45	-89.21	375.22	-5,983.54	5,957.48	5,801.49	155.99	38.190		
4,100.00	4,049.86	4,084.86	4,084.86	19.01	140.90	-89.36	375.22	-5,983.54	5,957.27	5,797.37	159.90	37.257		
4,200.00	4,148.46	4,183.46	4,183.46	19.47	144.34	-89.52	375.22	-5,983.54	5,957.11	5,793.30	163.80	36.368		
4,300.00	4,247.06	4,282.06	4,282.06	19.93	147.78	-89.68	375.22	-5,983.54	5,956.99	5,789.28	167.71	35.521		
4,400.00	4,345.66	4,380.66	4,380.66	20.39	151.22	-89.84	375.22	-5,983.54	5,956.92	5,785.31	171.61	34.712		
4,500.00	4,444.26	4,479.26	4,479.26	20.86	154.66	-90.00	375.22	-5,983.54	5,956.89	5,781.38	175.51	33.940		
4,501.75	4,445.98	4,480.98	4,480.98	20.86	154.72	-90.00	375.22	-5,983.54	5,956.89	5,781.31	175.58	33.926 CC		
4,600.00	4,542.86	4,577.86	4,577.86	21.32	158.10	-90.16	375.22	-5,983.54	5,956.92	5,777.50	179.42	33.201		
4,700.00	4,641.46	4,676.46	4,676.46	21.78	161.54	-90.31	375.22	-5,983.54	5,956.99	5,773.66	183.32	32.494		
4,800.00	4,740.06	4,775.06	4,775.06	22.25	164.98	-90.47	375.22	-5,983.54	5,957.10	5,769.87	187.23	31.817		
4,900.00	4,838.66	4,873.66	4,873.66	22.71	168.43	-90.63	375.22	-5,983.54	5,957.26	5,766.13	191.14	31.168		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,972.26	4,972.26	23.18	171.87	-90.79	375.22	-5,983.54	5,957.47	5,762.43	195.04	30.545		
5,100.00	5,035.86	5,070.86	5,070.86	23.64	175.31	-90.95	375.22	-5,983.54	5,957.73	5,758.78	198.95	29.946		
5,200.00	5,134.46	5,169.46	5,169.46	24.11	178.75	-91.10	375.22	-5,983.54	5,958.03	5,755.18	202.85	29.371		
5,300.00	5,233.06	5,268.06	5,268.06	24.57	182.19	-91.26	375.22	-5,983.54	5,958.38	5,751.62	206.76	28.818		
5,400.00	5,331.66	5,366.66	5,366.66	25.04	185.63	-91.42	375.22	-5,983.54	5,958.78	5,748.11	210.67	28.285		
5,500.00	5,430.26	5,465.26	5,465.26	25.50	189.08	-91.58	375.22	-5,983.54	5,959.22	5,744.64	214.57	27.772		
5,600.00	5,528.86	5,563.86	5,563.86	25.97	192.52	-91.74	375.22	-5,983.54	5,959.71	5,741.23	218.48	27.278		
5,700.00	5,627.46	5,662.46	5,662.46	26.43	195.96	-91.89	375.22	-5,983.54	5,960.24	5,737.86	222.39	26.801		
5,800.00	5,726.06	5,761.06	5,761.06	26.90	199.40	-92.05	375.22	-5,983.54	5,960.83	5,734.53	226.30	26.341		
5,900.00	5,824.66	5,859.66	5,859.66	27.36	202.84	-92.21	375.22	-5,983.54	5,961.46	5,731.25	230.20	25.896		
6,000.00	5,923.26	5,958.26	5,958.26	27.83	206.28	-92.37	375.22	-5,983.54	5,962.13	5,728.02	234.11	25.467		
6,100.00	6,021.86	6,056.86	6,056.86	28.30	209.73	-92.53	375.22	-5,983.54	5,962.85	5,724.83	238.02	25.052		
6,200.00	6,120.46	6,155.46	6,155.46	28.76	213.17	-92.68	375.22	-5,983.54	5,963.62	5,721.69	241.93	24.650		
6,300.00	6,219.06	6,254.06	6,254.06	29.23	216.61	-92.84	375.22	-5,983.54	5,964.44	5,718.60	245.84	24.262		
6,405.66	6,323.24	6,358.24	6,358.24	29.72	220.25	-93.01	375.22	-5,983.54	5,965.35	5,715.38	249.97	23.865 ES		
6,450.00	6,366.93	6,401.93	6,401.93	29.93	221.77	-115.77	375.22	-5,983.54	5,967.28	5,715.59	251.70	23.708		
6,500.00	6,415.96	6,450.96	6,450.96	30.15	223.48	-135.30	375.22	-5,983.54	5,973.15	5,719.52	253.63	23.550		
6,550.00	6,464.44	6,500.56	6,499.44	30.37	225.21	-147.84	375.22	-5,983.54	5,982.89	5,727.30	255.58	23.409		
6,600.00	6,512.08	6,547.08	6,547.08	30.58	226.84	-155.90	375.22	-5,983.54	5,996.43	5,739.01	257.42	23.295		
6,650.00	6,558.58	6,606.42	6,593.58	30.78	228.91	-161.35	375.22	-5,983.54	6,013.69	5,754.00	259.69	23.157		
6,700.00	6,603.65	6,638.65	6,638.65	30.97	230.03	-165.27	375.22	-5,983.54	6,034.57	5,773.57	261.00	23.121		
6,750.00	6,647.02	6,682.02	6,682.02	31.15	231.55	-168.25	375.22	-5,983.54	6,058.93	5,796.24	262.69	23.065		
6,800.00	6,688.42	6,723.42	6,723.42	31.31	232.99	-170.64	375.22	-5,983.54	6,086.62	5,822.32	264.30	23.029		
6,850.00	6,727.59	6,762.59	6,762.59	31.46	234.36	-172.66	375.22	-5,983.54	6,117.48	5,851.65	265.82	23.013 SF		
6,900.00	6,764.29	6,800.71	6,799.29	31.60	235.69	-174.45	375.22	-5,983.54	6,151.29	5,884.00	267.29	23.013		
6,950.00	6,798.30	6,833.30	6,833.30	31.73	236.83	-176.14	375.22	-5,983.54	6,187.87	5,919.32	268.55	23.041		
7,000.00	6,829.41	6,864.41	6,864.41	31.84	237.91	-177.84	375.22	-5,983.54	6,226.98	5,957.23	269.75	23.084		
7,050.00	6,857.42	6,907.58	6,892.42	32.03	239.42	-179.66	375.22	-5,983.54	6,268.38	5,997.03	271.35	23.101		
7,100.00	6,882.16	6,917.16	6,917.16	32.36	239.76	178.24	375.22	-5,983.54	6,311.81	6,040.05	271.76	23.226		
7,150.00	6,903.48	6,938.48	6,938.48	32.73	240.50	175.61	375.22	-5,983.54	6,357.01	6,084.45	272.56	23.323		
7,200.00	6,921.25	6,956.25	6,956.25	33.15	241.12	172.01	375.22	-5,983.54	6,403.70	6,130.47	273.23	23.437		
7,250.00	6,935.36	6,970.36	6,970.36	33.61	241.61	166.53	375.22	-5,983.54	6,451.59	6,177.84	273.76	23.567		
7,300.00	6,945.72	6,980.72	6,980.72	34.11	241.97	156.98	375.22	-5,983.54	6,500.39	6,226.25	274.14	23.712		
7,350.00	6,952.26	6,987.26	6,987.26	34.65	242.20	137.51	375.22	-5,983.54	6,549.80	6,275.42	274.38	23.871		
7,403.14	6,955.00	6,990.00	6,990.00	35.26	242.30	96.00	375.22	-5,983.54	6,602.63	6,328.16	274.47	24.056		
7,500.00	6,955.99	7,009.01	6,990.99	36.49	242.96	96.09	375.22	-5,983.54	6,699.03	6,423.90	275.13	24.348		
7,600.00	6,957.03	7,007.98	6,992.03	37.93	242.93	96.18	375.22	-5,983.54	6,798.57	6,523.48	275.09	24.714		
7,700.00	6,958.06	7,006.94	6,993.06	39.52	242.89	96.27	375.22	-5,983.54	6,898.12	6,623.06	275.06	25.079		
7,800.00	6,959.09	7,005.91	6,994.09	41.25	242.85	96.36	375.22	-5,983.54	6,997.68	6,722.66	275.03	25.444		
7,900.00	6,960.12	7,004.88	6,995.12	43.09	242.82	96.45	375.22	-5,983.54	7,097.26	6,822.26	275.00	25.809		
8,000.00	6,961.15	7,003.85	6,996.15	45.04	242.78	96.54	375.22	-5,983.54	7,196.85	6,921.88	274.97	26.173		
8,100.00	6,962.18	7,002.82	6,997.18	47.08	242.75	96.63	375.22	-5,983.54	7,296.45	7,021.50	274.95	26.538		
8,200.00	6,963.21	7,001.79	6,998.21	49.20	242.71	96.72	375.22	-5,983.54	7,396.06	7,121.13	274.93	26.902		
8,300.00	6,964.24	7,000.76	6,999.24	51.39	242.67	96.81	375.22	-5,983.54	7,495.67	7,220.77	274.91	27.266		
8,400.00	6,965.27	7,000.27	7,000.27	53.64	242.66	96.90	375.22	-5,983.54	7,595.30	7,320.40	274.91	27.628		
8,500.00	6,966.30	7,001.30	7,001.30	55.95	242.69	97.00	375.22	-5,983.54	7,694.94	7,419.98	274.97	27.985		
8,600.00	6,967.33	7,002.33	7,002.33	58.30	242.73	97.09	375.22	-5,983.54	7,794.59	7,519.56	275.03	28.341		
8,700.00	6,968.37	7,003.37	7,003.37	60.70	242.76	97.18	375.22	-5,983.54	7,894.25	7,619.16	275.09	28.697		
8,800.00	6,969.40	7,004.40	7,004.40	63.14	242.80	97.27	375.22	-5,983.54	7,993.91	7,718.76	275.15	29.053		
8,900.00	6,970.43	7,005.43	7,005.43	65.60	242.84	97.36	375.22	-5,983.54	8,093.59	7,818.37	275.22	29.408		
9,000.00	6,971.46	7,006.46	7,006.46	68.10	242.87	97.45	375.22	-5,983.54	8,193.27	7,917.98	275.29	29.763		
9,100.00	6,972.49	7,007.49	7,007.49	70.63	242.91	97.54	375.22	-5,983.54	8,292.96	8,017.60	275.35	30.117		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,200.00	6,973.52	7,008.52	7,008.52	73.18	242.94	97.63	375.22	-5,983.54	8,392.65	8,117.23	275.43	30.472		
9,300.00	6,974.55	7,009.55	7,009.55	75.75	242.98	97.72	375.22	-5,983.54	8,492.36	8,216.86	275.50	30.825		
9,400.00	6,975.58	7,010.58	7,010.58	78.34	243.02	97.81	375.22	-5,983.54	8,592.07	8,316.49	275.57	31.179		
9,500.00	6,976.61	7,011.61	7,011.61	80.94	243.05	97.90	375.22	-5,983.54	8,691.78	8,416.13	275.65	31.532		
9,600.00	6,977.64	7,012.64	7,012.64	83.56	243.09	97.99	375.22	-5,983.54	8,791.50	8,515.78	275.73	31.885		
9,700.00	6,978.68	7,013.68	7,013.68	86.20	243.12	98.08	375.22	-5,983.54	8,891.23	8,615.43	275.80	32.237		
9,800.00	6,979.71	7,014.71	7,014.71	88.85	243.16	98.17	375.22	-5,983.54	8,990.97	8,715.08	275.88	32.590		
9,900.00	6,980.74	7,015.74	7,015.74	91.51	243.20	98.26	375.22	-5,983.54	9,090.71	8,814.74	275.97	32.941		
10,000.00	6,981.77	7,016.77	7,016.77	94.19	243.23	98.35	375.22	-5,983.54	9,190.45	8,914.40	276.05	33.293		
10,100.00	6,982.80	7,017.80	7,017.80	96.87	243.27	98.44	375.22	-5,983.54	9,290.21	9,014.07	276.13	33.644		
10,200.00	6,983.83	7,018.83	7,018.83	99.56	243.30	98.53	375.22	-5,983.54	9,389.96	9,113.74	276.22	33.995		
10,300.00	6,984.86	7,019.86	7,019.86	102.27	243.34	98.61	375.22	-5,983.54	9,489.72	9,213.42	276.31	34.345		
10,400.00	6,985.89	7,020.89	7,020.89	104.98	243.38	98.70	375.22	-5,983.54	9,589.49	9,313.10	276.39	34.695		
10,500.00	6,986.92	7,021.92	7,021.92	107.69	243.41	98.79	375.22	-5,983.54	9,689.26	9,412.78	276.48	35.045		
10,600.00	6,987.95	7,022.95	7,022.95	110.41	243.45	98.88	375.22	-5,983.54	9,789.04	9,512.46	276.57	35.394		
10,700.00	6,988.99	7,023.99	7,023.99	113.14	243.48	98.97	375.22	-5,983.54	9,888.82	9,612.15	276.67	35.743		
10,800.00	6,990.02	7,025.02	7,025.02	115.88	243.52	99.06	375.22	-5,983.54	9,988.60	9,711.84	276.76	36.091		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	33.00	33.00	3.28	3.33	-97.82	-1,181.02	-8,593.79	8,674.56					
100.00	100.00	133.00	133.00	3.28	4.38	-97.82	-1,181.02	-8,593.79	8,674.56	8,666.90	7.66	1,132.267		
200.00	200.00	233.00	233.00	3.34	7.18	-97.82	-1,181.02	-8,593.79	8,674.56	8,664.04	10.52	824.705 CC		
300.00	299.98	332.98	332.98	3.45	10.41	-94.93	-1,181.02	-8,593.79	8,674.71	8,660.86	13.85	626.161		
400.00	399.84	432.84	432.84	3.61	13.76	-94.96	-1,181.02	-8,593.79	8,675.16	8,657.80	17.36	499.598		
500.00	499.45	532.45	532.45	3.82	17.16	-95.00	-1,181.02	-8,593.79	8,675.92	8,654.96	20.97	413.827		
600.00	598.70	631.70	631.70	4.07	20.57	-95.06	-1,181.02	-8,593.79	8,677.00	8,652.38	24.62	352.424		
680.00	677.76	710.76	710.76	4.29	23.30	-95.12	-1,181.02	-8,593.79	8,678.10	8,650.53	27.57	314.749		
700.00	697.48	730.48	730.48	4.35	23.98	-95.14	-1,181.02	-8,593.79	8,678.40	8,650.09	28.31	306.528		
800.00	796.08	829.08	829.08	4.66	27.39	-95.25	-1,181.02	-8,593.79	8,679.93	8,647.89	32.04	270.927		
900.00	894.68	927.68	927.68	4.98	30.81	-95.35	-1,181.02	-8,593.79	8,681.49	8,645.70	35.79	242.535		
1,000.00	993.28	1,026.28	1,026.28	5.34	34.24	-95.46	-1,181.02	-8,593.79	8,683.09	8,643.51	39.58	219.401		
1,100.00	1,091.88	1,124.88	1,124.88	5.71	37.67	-95.57	-1,181.02	-8,593.79	8,684.71	8,641.34	43.38	200.214		
1,200.00	1,190.48	1,223.48	1,223.48	6.10	41.10	-95.68	-1,181.02	-8,593.79	8,686.37	8,639.18	47.19	184.057		
1,300.00	1,289.07	1,322.07	1,322.07	6.49	44.53	-95.79	-1,181.02	-8,593.79	8,688.06	8,637.04	51.02	170.277		
1,400.00	1,387.67	1,420.67	1,420.67	6.90	47.96	-95.89	-1,181.02	-8,593.79	8,689.78	8,634.92	54.86	158.390		
1,500.00	1,486.27	1,519.27	1,519.27	7.31	51.40	-96.00	-1,181.02	-8,593.79	8,691.53	8,632.82	58.71	148.037		
1,600.00	1,584.87	1,617.87	1,617.87	7.73	54.83	-96.11	-1,181.02	-8,593.79	8,693.32	8,630.75	62.57	138.943		
1,700.00	1,683.47	1,716.47	1,716.47	8.16	58.27	-96.22	-1,181.02	-8,593.79	8,695.13	8,628.70	66.43	130.892		
1,800.00	1,782.07	1,815.07	1,815.07	8.59	61.71	-96.33	-1,181.02	-8,593.79	8,696.98	8,626.68	70.30	123.718		
1,900.00	1,880.67	1,913.67	1,913.67	9.02	65.14	-96.43	-1,181.02	-8,593.79	8,698.86	8,624.69	74.17	117.285		
2,000.00	1,979.27	2,012.27	2,012.27	9.46	68.58	-96.54	-1,181.02	-8,593.79	8,700.77	8,622.73	78.04	111.486		
2,100.00	2,077.87	2,110.87	2,110.87	9.90	72.02	-96.65	-1,181.02	-8,593.79	8,702.71	8,620.79	81.92	106.231		
2,200.00	2,176.47	2,209.47	2,209.47	10.35	75.46	-96.76	-1,181.02	-8,593.79	8,704.69	8,618.88	85.80	101.448		
2,300.00	2,275.07	2,308.07	2,308.07	10.79	78.90	-96.86	-1,181.02	-8,593.79	8,706.69	8,617.00	89.69	97.077		
2,400.00	2,373.67	2,406.67	2,406.67	11.24	82.34	-96.97	-1,181.02	-8,593.79	8,708.73	8,615.15	93.57	93.067		
2,500.00	2,472.27	2,505.27	2,505.27	11.69	85.78	-97.08	-1,181.02	-8,593.79	8,710.80	8,613.33	97.46	89.375		
2,600.00	2,570.87	2,603.87	2,603.87	12.14	89.22	-97.19	-1,181.02	-8,593.79	8,712.89	8,611.54	101.35	85.966		
2,700.00	2,669.47	2,702.47	2,702.47	12.59	92.66	-97.29	-1,181.02	-8,593.79	8,715.03	8,609.78	105.25	82.807		
2,800.00	2,768.07	2,801.07	2,801.07	13.04	96.10	-97.40	-1,181.02	-8,593.79	8,717.19	8,608.05	109.14	79.873		
2,900.00	2,866.67	2,900.33	2,899.67	13.50	99.56	-97.51	-1,181.02	-8,593.79	8,719.38	8,606.33	113.06	77.125		
3,000.00	2,965.27	3,001.73	2,998.27	13.95	103.10	-97.61	-1,181.02	-8,593.79	8,721.61	8,604.56	117.05	74.513		
3,100.00	3,063.87	3,103.13	3,096.87	14.41	106.64	-97.72	-1,181.02	-8,593.79	8,723.86	8,602.82	121.04	72.073		
3,200.00	3,162.47	3,204.53	3,195.47	14.87	110.17	-97.83	-1,181.02	-8,593.79	8,726.15	8,601.11	125.04	69.788		
3,300.00	3,261.07	3,305.93	3,294.07	15.32	113.71	-97.94	-1,181.02	-8,593.79	8,728.47	8,599.43	129.03	67.645		
3,400.00	3,359.67	3,407.33	3,392.67	15.78	117.25	-98.04	-1,181.02	-8,593.79	8,730.82	8,597.79	133.03	65.630		
3,500.00	3,458.27	3,508.73	3,491.27	16.24	120.79	-98.15	-1,181.02	-8,593.79	8,733.20	8,596.17	137.03	63.733		
3,600.00	3,556.87	3,599.87	3,589.87	16.70	123.62	-98.26	-1,181.02	-8,593.79	8,735.61	8,595.29	140.32	62.256		
3,700.00	3,655.47	3,698.47	3,688.47	17.16	127.06	-98.36	-1,181.02	-8,593.79	8,738.06	8,593.84	144.22	60.589		
3,800.00	3,754.06	3,797.06	3,787.06	17.62	130.50	-98.47	-1,181.02	-8,593.79	8,740.53	8,592.41	148.12	59.009		
3,900.00	3,852.66	3,895.66	3,885.66	18.08	133.94	-98.58	-1,181.02	-8,593.79	8,743.04	8,591.01	152.02	57.511		
4,000.00	3,951.26	3,984.26	3,984.26	18.54	137.38	-98.68	-1,181.02	-8,593.79	8,745.57	8,589.65	155.93	56.088		
4,100.00	4,049.86	4,082.86	4,082.86	19.01	140.83	-98.79	-1,181.02	-8,593.79	8,748.14	8,588.31	159.83	54.735		
4,200.00	4,148.46	4,181.46	4,181.46	19.47	144.27	-98.90	-1,181.02	-8,593.79	8,750.74	8,587.01	163.73	53.446		
4,300.00	4,247.06	4,280.06	4,280.06	19.93	147.71	-99.00	-1,181.02	-8,593.79	8,753.37	8,585.73	167.63	52.217		
4,400.00	4,345.66	4,378.66	4,378.66	20.39	151.15	-99.11	-1,181.02	-8,593.79	8,756.03	8,584.49	171.54	51.044		
4,500.00	4,444.26	4,477.26	4,477.26	20.86	154.59	-99.21	-1,181.02	-8,593.79	8,758.72	8,583.28	175.44	49.923		
4,600.00	4,542.86	4,575.86	4,575.86	21.32	158.03	-99.32	-1,181.02	-8,593.79	8,761.45	8,582.10	179.35	48.852		
4,700.00	4,641.46	4,674.46	4,674.46	21.78	161.47	-99.43	-1,181.02	-8,593.79	8,764.20	8,580.95	183.25	47.826		
4,800.00	4,740.06	4,773.06	4,773.06	22.25	164.92	-99.53	-1,181.02	-8,593.79	8,766.98	8,579.83	187.16	46.843		
4,900.00	4,838.66	4,871.66	4,871.66	22.71	168.36	-99.64	-1,181.02	-8,593.79	8,769.80	8,578.74	191.06	45.900		
5,000.00	4,937.26	4,970.26	4,970.26	23.18	171.80	-99.74	-1,181.02	-8,593.79	8,772.64	8,577.68	194.97	44.995		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,035.86	5,068.86	5,068.86	23.64	175.24	-99.85	-1,181.02	-8,593.79	8,775.52	8,576.65	198.87	44.126		
5,200.00	5,134.46	5,167.46	5,167.46	24.11	178.68	-99.96	-1,181.02	-8,593.79	8,778.43	8,575.65	202.78	43.290		
5,300.00	5,233.06	5,266.06	5,266.06	24.57	182.12	-100.06	-1,181.02	-8,593.79	8,781.37	8,574.68	206.69	42.487		
5,400.00	5,331.66	5,364.66	5,364.66	25.04	185.56	-100.17	-1,181.02	-8,593.79	8,784.34	8,573.74	210.59	41.713		
5,500.00	5,430.26	5,463.26	5,463.26	25.50	189.01	-100.27	-1,181.02	-8,593.79	8,787.34	8,572.84	214.50	40.967		
5,600.00	5,528.86	5,561.86	5,561.86	25.97	192.45	-100.38	-1,181.02	-8,593.79	8,790.37	8,571.96	218.41	40.248		
5,700.00	5,627.46	5,660.46	5,660.46	26.43	195.89	-100.48	-1,181.02	-8,593.79	8,793.43	8,571.12	222.31	39.554		
5,800.00	5,726.06	5,759.06	5,759.06	26.90	199.33	-100.59	-1,181.02	-8,593.79	8,796.52	8,570.30	226.22	38.885		
5,900.00	5,824.66	5,857.66	5,857.66	27.36	202.77	-100.69	-1,181.02	-8,593.79	8,799.64	8,569.52	230.13	38.238		
6,000.00	5,923.26	5,956.26	5,956.26	27.83	206.21	-100.80	-1,181.02	-8,593.79	8,802.79	8,568.76	234.03	37.613		
6,100.00	6,021.86	6,054.86	6,054.86	28.30	209.66	-100.91	-1,181.02	-8,593.79	8,805.98	8,568.04	237.94	37.009		
6,200.00	6,120.46	6,153.46	6,153.46	28.76	213.10	-101.01	-1,181.02	-8,593.79	8,809.19	8,567.34	241.85	36.425		
6,300.00	6,219.06	6,252.06	6,252.06	29.23	216.54	-101.12	-1,181.02	-8,593.79	8,812.43	8,566.68	245.75	35.859		
6,405.66	6,323.24	6,356.24	6,356.24	29.72	220.18	-101.23	-1,181.02	-8,593.79	8,815.89	8,566.01	249.88	35.280 ES		
6,450.00	6,366.93	6,400.07	6,399.93	29.93	221.71	-124.01	-1,181.02	-8,593.79	8,818.85	8,567.24	251.62	35.048		
6,500.00	6,415.96	6,448.96	6,448.96	30.15	223.41	-143.60	-1,181.02	-8,593.79	8,825.78	8,572.23	253.55	34.809		
6,550.00	6,464.44	6,502.56	6,497.44	30.37	225.28	-156.27	-1,181.02	-8,593.79	8,836.46	8,580.82	255.64	34.566		
6,600.00	6,512.08	6,545.08	6,545.08	30.58	226.77	-164.50	-1,181.02	-8,593.79	8,850.84	8,593.50	257.33	34.395		
6,650.00	6,558.58	6,608.42	6,591.58	30.78	228.98	-170.18	-1,181.02	-8,593.79	8,868.81	8,609.07	259.74	34.145		
6,700.00	6,603.65	6,636.65	6,636.65	30.97	229.96	-174.40	-1,181.02	-8,593.79	8,890.27	8,629.35	260.92	34.073		
6,750.00	6,647.02	6,680.02	6,680.02	31.15	231.48	-177.75	-1,181.02	-8,593.79	8,915.08	8,652.47	262.61	33.948		
6,800.00	6,688.42	6,721.42	6,721.42	31.31	232.92	-179.39	-1,181.02	-8,593.79	8,943.10	8,678.88	264.22	33.847		
6,850.00	6,727.59	6,760.59	6,760.59	31.46	234.29	-176.80	-1,181.02	-8,593.79	8,974.14	8,708.40	265.74	33.770		
6,900.00	6,764.29	6,802.71	6,797.29	31.60	235.76	-174.29	-1,181.02	-8,593.79	9,008.02	8,740.67	267.35	33.694		
6,950.00	6,798.30	6,831.30	6,831.30	31.73	236.76	-171.70	-1,181.02	-8,593.79	9,044.53	8,776.06	268.47	33.689		
7,000.00	6,829.41	6,862.41	6,862.41	31.84	237.84	-168.89	-1,181.02	-8,593.79	9,083.44	8,813.77	269.67	33.684		
7,050.00	6,857.42	6,909.58	6,890.42	32.03	239.49	-165.65	-1,181.02	-8,593.79	9,124.52	8,853.11	271.41	33.619 SF		
7,100.00	6,882.16	6,915.16	6,915.16	32.36	239.69	-161.75	-1,181.02	-8,593.79	9,167.51	8,895.83	271.68	33.744		
7,150.00	6,903.48	6,936.48	6,936.48	32.73	240.43	-156.80	-1,181.02	-8,593.79	9,212.15	8,939.67	272.49	33.808		
7,200.00	6,921.25	6,954.25	6,954.25	33.15	241.05	-150.27	-1,181.02	-8,593.79	9,258.18	8,985.02	273.16	33.893		
7,250.00	6,935.36	6,968.36	6,968.36	33.61	241.54	-141.33	-1,181.02	-8,593.79	9,305.29	9,031.61	273.69	34.000		
7,300.00	6,945.72	6,978.72	6,978.72	34.11	241.90	-128.97	-1,181.02	-8,593.79	9,353.22	9,079.15	274.07	34.127		
7,350.00	6,952.26	6,985.26	6,985.26	34.65	242.13	-112.62	-1,181.02	-8,593.79	9,401.67	9,127.35	274.32	34.273		
7,403.14	6,955.00	6,988.00	6,988.00	35.26	242.23	-92.51	-1,181.02	-8,593.79	9,453.38	9,178.96	274.42	34.449		
7,500.00	6,955.99	6,988.99	6,988.99	36.49	242.26	-92.54	-1,181.02	-8,593.79	9,547.69	9,273.22	274.47	34.786		
7,600.00	6,957.03	7,009.98	6,990.03	37.93	243.00	-92.56	-1,181.02	-8,593.79	9,645.11	9,369.88	275.23	35.044		
7,700.00	6,958.06	7,008.94	6,991.06	39.52	242.96	-92.59	-1,181.02	-8,593.79	9,742.58	9,467.34	275.23	35.398		
7,800.00	6,959.09	7,007.91	6,992.09	41.25	242.92	-92.62	-1,181.02	-8,593.79	9,840.09	9,564.85	275.24	35.750		
7,900.00	6,960.12	7,006.88	6,993.12	43.09	242.89	-92.64	-1,181.02	-8,593.79	9,937.66	9,662.39	275.27	36.102		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-104.57	-1,418.71	-5,459.49	5,640.81					
100.00	100.00	64.10	64.10	3.28	3.28	-104.56	-1,418.56	-5,459.76	5,641.18	5,634.61	6.57	858.899		
200.00	200.00	156.03	156.02	3.34	3.31	-104.56	-1,418.01	-5,460.80	5,642.11	5,635.47	6.65	848.505		
300.00	299.98	264.75	264.73	3.45	3.41	-101.65	-1,417.51	-5,461.73	5,643.17	5,636.31	6.85	823.464		
400.00	399.84	383.08	383.07	3.61	3.58	-101.67	-1,416.99	-5,462.59	5,644.83	5,637.65	7.18	785.994		
500.00	499.45	492.29	492.27	3.82	3.79	-101.72	-1,416.43	-5,463.03	5,646.86	5,639.26	7.60	743.372		
600.00	598.70	610.77	610.74	4.07	4.07	-101.80	-1,415.62	-5,463.28	5,649.40	5,641.28	8.12	695.928		
680.00	677.76	696.44	696.41	4.29	4.30	-101.88	-1,414.77	-5,463.34	5,651.78	5,643.22	8.57	659.756		
700.00	697.48	714.63	714.60	4.35	4.35	-101.91	-1,414.58	-5,463.34	5,652.43	5,643.75	8.68	651.514		
800.00	796.08	802.31	802.27	4.66	4.60	-102.04	-1,413.69	-5,463.46	5,655.80	5,646.56	9.24	611.963		
900.00	894.68	895.49	895.45	4.98	4.89	-102.19	-1,412.68	-5,463.74	5,659.36	5,649.49	9.87	573.607		
1,000.00	993.28	1,010.36	1,010.28	5.34	5.27	-102.35	-1,409.87	-5,464.42	5,662.87	5,652.27	10.60	534.152		
1,100.00	1,091.88	1,062.46	1,062.31	5.71	5.45	-102.40	-1,407.33	-5,465.28	5,666.73	5,655.57	11.16	507.631		
1,200.00	1,190.48	1,130.19	1,129.84	6.10	5.71	-102.46	-1,402.55	-5,467.28	5,671.30	5,659.50	11.81	480.247		
1,300.00	1,289.07	1,222.47	1,221.57	6.49	6.11	-102.52	-1,393.21	-5,471.08	5,676.21	5,663.61	12.60	450.341		
1,400.00	1,387.67	1,360.80	1,358.17	6.90	6.82	-102.52	-1,372.74	-5,478.29	5,680.96	5,667.24	13.72	414.082		
1,500.00	1,486.27	1,539.88	1,533.26	7.31	7.91	-102.44	-1,336.70	-5,488.29	5,684.65	5,669.43	15.23	373.341		
1,600.00	1,584.87	1,818.90	1,800.69	7.73	10.02	-102.09	-1,258.89	-5,502.81	5,685.68	5,667.94	17.75	320.378		
1,629.69	1,614.15	1,835.51	1,816.35	7.86	10.16	-102.07	-1,253.39	-5,503.68	5,685.65	5,667.63	18.02	315.531		
1,700.00	1,683.47	1,874.76	1,853.24	8.16	10.51	-101.99	-1,240.19	-5,505.94	5,685.84	5,667.18	18.67	304.603		
1,800.00	1,782.07	1,934.53	1,909.19	8.59	11.06	-101.88	-1,219.56	-5,509.93	5,686.78	5,667.14	19.64	289.503		
1,900.00	1,880.67	2,000.00	1,970.18	9.02	11.67	-101.74	-1,196.26	-5,514.90	5,688.40	5,667.71	20.69	274.912		
2,000.00	1,979.27	2,108.01	2,070.09	9.46	12.74	-101.50	-1,156.19	-5,523.77	5,690.31	5,668.12	22.19	256.385		
2,100.00	2,077.87	2,179.00	2,135.57	9.90	13.44	-101.33	-1,129.44	-5,529.81	5,692.43	5,669.09	23.34	243.881		
2,200.00	2,176.47	2,271.24	2,220.80	10.35	14.34	-101.12	-1,095.12	-5,537.82	5,694.93	5,670.25	24.68	230.769		
2,300.00	2,275.07	2,354.39	2,297.82	10.79	15.12	-100.94	-1,064.62	-5,544.98	5,697.60	5,671.69	25.91	219.889		
2,400.00	2,373.67	2,440.18	2,377.29	11.24	15.93	-100.75	-1,033.21	-5,552.67	5,700.66	5,673.50	27.16	209.886		
2,500.00	2,472.27	2,590.70	2,516.75	11.69	17.32	-100.42	-978.12	-5,565.75	5,703.67	5,674.67	29.01	196.633		
2,600.00	2,570.87	2,679.60	2,598.80	12.14	18.16	-100.21	-944.71	-5,573.13	5,706.08	5,675.79	30.29	188.361		
2,700.00	2,669.47	2,744.03	2,658.18	12.59	18.77	-100.06	-920.33	-5,578.75	5,708.94	5,677.59	31.35	182.090		
2,800.00	2,768.07	2,808.51	2,717.71	13.04	19.38	-99.92	-896.30	-5,584.76	5,712.54	5,680.13	32.41	176.251		
2,900.00	2,866.67	2,984.78	2,880.60	13.50	21.00	-99.52	-830.73	-5,600.21	5,715.71	5,681.21	34.50	165.689		
3,000.00	2,965.27	3,082.14	2,970.91	13.95	21.85	-99.31	-795.20	-5,607.90	5,718.32	5,682.52	35.80	159.715		
3,100.00	3,063.87	3,143.51	3,028.13	14.41	22.37	-99.18	-773.54	-5,612.77	5,721.32	5,684.55	36.78	155.570		
3,200.00	3,162.47	3,200.00	3,080.85	14.87	22.85	-99.07	-753.85	-5,617.66	5,725.14	5,687.43	37.70	151.852		
3,300.00	3,261.07	3,418.89	3,284.27	15.32	24.73	-98.61	-675.12	-5,635.77	5,728.61	5,688.55	40.05	143.030		
3,400.00	3,359.67	3,498.41	3,358.10	15.78	25.41	-98.44	-646.14	-5,641.59	5,730.99	5,689.80	41.19	139.149		
3,500.00	3,458.27	3,535.58	3,392.61	16.24	25.74	-98.36	-632.67	-5,644.55	5,734.12	5,692.15	41.96	136.642		
3,600.00	3,556.87	3,571.82	3,426.25	16.70	26.05	-98.28	-619.57	-5,647.83	5,738.37	5,695.64	42.73	134.293		
3,700.00	3,655.47	3,700.00	3,514.89	17.16	27.21	-98.07	-584.74	-5,657.20	5,743.36	5,699.03	44.34	129.540		
3,800.00	3,754.06	3,874.92	3,706.17	17.62	28.80	-97.60	-506.62	-5,675.07	5,746.75	5,700.34	46.41	123.839		
3,900.00	3,852.66	3,996.97	3,818.26	18.08	29.93	-97.31	-459.32	-5,684.78	5,749.76	5,701.76	47.99	119.805		
4,000.00	3,951.26	4,061.47	3,877.46	18.54	30.53	-97.16	-434.24	-5,689.94	5,752.90	5,703.85	49.05	117.284		
4,100.00	4,049.86	4,134.99	3,944.95	19.01	31.21	-96.98	-405.76	-5,696.25	5,756.68	5,706.49	50.19	114.708		
4,200.00	4,148.46	4,224.18	4,027.27	19.47	32.02	-96.78	-372.33	-5,703.88	5,760.76	5,709.31	51.45	111.967		
4,300.00	4,247.06	4,317.75	4,113.78	19.93	32.85	-96.57	-337.60	-5,712.00	5,765.09	5,712.35	52.74	109.320		
4,400.00	4,345.66	4,440.97	4,227.73	20.39	33.94	-96.30	-291.83	-5,722.22	5,769.12	5,714.84	54.28	106.281		
4,500.00	4,444.26	4,522.51	4,303.13	20.86	34.66	-96.12	-261.53	-5,728.99	5,773.27	5,717.81	55.45	104.108		
4,600.00	4,542.86	4,593.58	4,368.75	21.32	35.29	-95.96	-234.96	-5,735.20	5,777.88	5,721.34	56.54	102.190		
4,700.00	4,641.46	4,698.57	4,465.85	21.78	36.22	-95.74	-196.14	-5,744.52	5,782.77	5,724.84	57.93	99.830		
4,800.00	4,740.06	4,773.59	4,535.49	22.25	36.87	-95.58	-169.05	-5,751.15	5,787.83	5,728.81	59.02	98.066		
4,900.00	4,838.66	4,874.56	4,629.19	22.71	37.75	-95.37	-132.54	-5,760.34	5,793.22	5,732.86	60.35	95.986		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	5,015.91	4,759.64	23.18	39.01	-95.05	-79.55	-5,772.68	5,798.12	5,736.04	62.08	93.398		
5,100.00	5,035.86	5,080.39	4,819.14	23.64	39.59	-94.91	-55.32	-5,778.30	5,803.10	5,740.00	63.10	91.960		
5,200.00	5,134.46	5,171.92	4,903.73	24.11	40.41	-94.71	-21.38	-5,786.58	5,808.57	5,744.20	64.37	90.239		
5,300.00	5,233.06	5,287.05	5,010.40	24.57	41.41	-94.46	20.72	-5,796.76	5,813.97	5,748.14	65.83	88.321		
5,400.00	5,331.66	5,367.95	5,085.32	25.04	42.12	-94.29	50.42	-5,803.86	5,819.38	5,752.40	66.99	86.875		
5,500.00	5,430.26	5,505.62	5,212.32	25.50	43.36	-93.99	102.13	-5,816.07	5,824.93	5,756.25	68.68	84.814		
5,600.00	5,528.86	5,571.74	5,273.42	25.97	43.94	-93.84	126.74	-5,821.79	5,830.30	5,760.60	69.70	83.648		
5,700.00	5,627.46	5,743.97	5,433.06	26.43	45.40	-93.48	189.87	-5,835.64	5,835.15	5,763.53	71.63	81.467		
5,800.00	5,726.06	5,836.99	5,519.92	26.90	46.13	-93.30	222.41	-5,842.68	5,839.87	5,767.06	72.81	80.206		
5,900.00	5,824.66	5,994.71	5,669.20	27.36	47.21	-93.06	272.18	-5,852.93	5,843.90	5,769.55	74.35	78.599		
6,000.00	5,923.26	6,150.74	5,819.60	27.83	48.03	-92.90	313.06	-5,859.98	5,846.29	5,770.66	75.63	77.302		
6,100.00	6,021.86	6,207.44	5,874.66	28.30	48.29	-92.86	326.31	-5,862.63	5,849.41	5,773.06	76.36	76.608		
6,200.00	6,120.46	6,309.02	5,974.05	28.76	48.72	-92.82	346.69	-5,867.37	5,852.88	5,775.63	77.25	75.770		
6,300.00	6,219.06	6,420.19	6,083.50	29.23	49.12	-92.82	365.59	-5,872.00	5,856.14	5,778.02	78.12	74.965		
6,405.66	6,323.24	6,500.00	6,162.42	29.72	49.39	-92.83	377.06	-5,875.29	5,859.81	5,780.94	78.88	74.289		
6,450.00	6,366.93	6,529.76	6,191.92	29.93	49.49	-115.54	380.75	-5,876.55	5,863.04	5,783.87	79.17	74.055		
6,500.00	6,415.96	6,564.60	6,226.50	30.15	49.59	-135.02	384.70	-5,878.08	5,870.47	5,790.97	79.50	73.841		
6,550.00	6,464.44	6,634.63	6,495.58	30.37	50.31	-147.69	405.84	-5,883.59	5,880.32	5,799.87	80.46	73.084		
6,600.00	6,512.08	6,675.00	6,535.91	30.58	50.41	-155.71	407.76	-5,883.63	5,893.65	5,812.88	80.77	72.966		
6,650.00	6,558.58	6,912.93	6,573.81	30.78	50.51	-161.13	409.18	-5,883.68	5,910.77	5,829.70	81.07	72.910 SF		
6,700.00	6,603.65	6,947.28	6,608.14	30.97	50.59	-165.02	410.20	-5,883.75	5,931.58	5,850.23	81.34	72.919		
6,750.00	6,647.02	6,980.22	6,641.07	31.15	50.67	-167.97	410.96	-5,883.86	5,955.95	5,874.35	81.61	72.985		
6,800.00	6,688.42	7,015.46	6,676.31	31.31	50.75	-170.33	411.54	-5,884.01	5,983.73	5,901.87	81.86	73.099		
6,850.00	6,727.59	7,055.08	6,715.92	31.46	50.85	-172.32	412.12	-5,884.18	6,014.67	5,932.56	82.11	73.254		
6,900.00	6,764.29	7,092.18	6,753.02	31.60	50.94	-174.09	412.61	-5,884.33	6,048.57	5,966.23	82.34	73.462		
6,950.00	6,798.30	7,125.23	6,786.07	31.73	51.02	-175.75	413.03	-5,884.46	6,085.22	6,002.68	82.54	73.724		
7,000.00	6,829.41	7,155.08	6,815.92	31.84	51.09	-177.41	413.42	-5,884.59	6,124.41	6,041.69	82.72	74.036		
7,050.00	6,857.42	7,181.93	6,842.76	32.03	51.16	-179.18	413.79	-5,884.71	6,165.89	6,083.01	82.88	74.396		
7,100.00	6,882.16	7,206.03	6,866.86	32.36	51.21	-178.78	414.12	-5,884.82	6,209.40	6,126.39	83.01	74.799		
7,150.00	6,903.48	7,227.98	6,888.81	32.73	51.27	-176.23	414.44	-5,884.92	6,254.67	6,171.54	83.13	75.240		
7,200.00	6,921.25	7,246.23	6,907.06	33.15	51.31	-172.74	414.70	-5,885.00	6,301.42	6,218.20	83.22	75.719		
7,250.00	6,935.36	7,260.69	6,921.51	33.61	51.35	-167.39	414.92	-5,885.07	6,349.36	6,266.07	83.29	76.233		
7,300.00	6,945.72	7,271.24	6,932.07	34.11	51.38	-157.95	415.08	-5,885.11	6,398.20	6,314.87	83.33	76.778		
7,350.00	6,952.26	7,277.83	6,938.66	34.65	51.39	-138.20	415.19	-5,885.14	6,447.64	6,364.28	83.36	77.349		
7,403.14	6,955.00	7,280.44	6,941.27	35.26	51.40	-94.63	415.23	-5,885.16	6,500.50	6,417.14	83.36	77.979		
7,500.00	6,955.99	7,281.06	6,941.88	36.49	51.40	-94.68	415.24	-5,885.16	6,596.95	6,513.59	83.35	79.144		
7,600.00	6,957.03	7,281.69	6,942.52	37.93	51.40	-94.74	415.25	-5,885.16	6,696.53	6,613.18	83.35	80.345		
7,700.00	6,958.06	7,282.33	6,943.15	39.52	51.40	-94.80	415.26	-5,885.16	6,796.12	6,712.78	83.34	81.543		
7,800.00	6,959.09	7,282.96	6,943.79	41.25	51.40	-94.86	415.27	-5,885.17	6,895.73	6,812.38	83.34	82.738		
7,900.00	6,960.12	7,283.60	6,944.42	43.09	51.41	-94.92	415.28	-5,885.17	6,995.34	6,911.99	83.35	83.930		
8,000.00	6,961.15	7,284.24	6,945.06	45.04	51.41	-94.98	415.29	-5,885.17	7,094.97	7,011.62	83.35	85.119		
8,100.00	6,962.18	7,284.87	6,945.70	47.08	51.41	-95.04	415.30	-5,885.17	7,194.61	7,111.25	83.36	86.306		
8,200.00	6,963.21	7,285.51	6,946.33	49.20	51.41	-95.10	415.31	-5,885.18	7,294.25	7,210.88	83.37	87.490		
8,300.00	6,964.24	7,286.15	6,946.97	51.39	51.41	-95.16	415.32	-5,885.18	7,393.91	7,310.53	83.39	88.671		
8,400.00	6,965.27	7,286.79	6,947.61	53.64	51.41	-95.22	415.33	-5,885.18	7,493.58	7,410.18	83.40	89.850		
8,500.00	6,966.30	7,287.43	6,948.25	55.95	51.41	-95.28	415.34	-5,885.19	7,593.25	7,509.83	83.42	91.026		
8,600.00	6,967.33	7,288.07	6,948.89	58.30	51.42	-95.34	415.35	-5,885.19	7,692.93	7,609.50	83.44	92.199		
8,700.00	6,968.37	7,288.71	6,949.53	60.70	51.42	-95.40	415.36	-5,885.19	7,792.62	7,709.16	83.46	93.369		
8,800.00	6,969.40	7,289.35	6,950.17	63.14	51.42	-95.46	415.37	-5,885.19	7,892.32	7,808.84	83.48	94.536		
8,900.00	6,970.43	7,289.99	6,950.81	65.60	51.42	-95.52	415.38	-5,885.20	7,992.03	7,908.52	83.51	95.701		
9,000.00	6,971.46	7,290.63	6,951.45	68.10	51.42	-95.58	415.39	-5,885.20	8,091.74	8,008.21	83.54	96.863		
9,100.00	6,972.49	7,291.27	6,952.09	70.63	51.42	-95.64	415.40	-5,885.20	8,191.46	8,107.90	83.57	98.022		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,200.00	6,973.52	7,291.91	6,952.73	73.18	51.43	95.70	415.41	-5,885.21	8,291.19	8,207.59	83.60	99.179		
9,300.00	6,974.55	7,292.56	6,953.38	75.75	51.43	95.76	415.42	-5,885.21	8,390.92	8,307.29	83.63	100.332		
9,400.00	6,975.58	7,293.20	6,954.02	78.34	51.43	95.82	415.43	-5,885.21	8,490.66	8,407.00	83.67	101.483		
9,500.00	6,976.61	7,293.84	6,954.67	80.94	51.43	95.88	415.44	-5,885.21	8,590.41	8,506.71	83.70	102.631		
9,600.00	6,977.64	7,294.49	6,955.31	83.56	51.43	95.94	415.45	-5,885.22	8,690.16	8,606.42	83.74	103.776		
9,700.00	6,978.68	7,295.13	6,955.96	86.20	51.43	96.01	415.46	-5,885.22	8,789.92	8,706.14	83.78	104.918		
9,800.00	6,979.71	7,295.78	6,956.60	88.85	51.44	96.07	415.47	-5,885.22	8,889.68	8,805.86	83.82	106.058		
9,900.00	6,980.74	7,296.43	6,957.25	91.51	51.44	96.13	415.48	-5,885.23	8,989.45	8,905.59	83.86	107.195		
10,000.00	6,981.77	7,297.07	6,957.89	94.19	51.44	96.19	415.49	-5,885.23	9,089.22	9,005.32	83.90	108.328		
10,100.00	6,982.80	7,297.72	6,958.54	96.87	51.44	96.25	415.50	-5,885.23	9,189.00	9,105.05	83.95	109.459		
10,200.00	6,983.83	7,298.37	6,959.19	99.56	51.44	96.31	415.51	-5,885.23	9,288.78	9,204.79	84.00	110.587		
10,300.00	6,984.86	7,299.02	6,959.84	102.27	51.44	96.37	415.52	-5,885.24	9,388.57	9,304.53	84.04	111.712		
10,400.00	6,985.89	7,299.66	6,960.48	104.98	51.45	96.43	415.53	-5,885.24	9,488.36	9,404.27	84.09	112.834		
10,500.00	6,986.92	7,300.31	6,961.13	107.69	51.45	96.49	415.54	-5,885.24	9,588.16	9,504.02	84.14	113.953		
10,600.00	6,987.95	7,300.96	6,961.78	110.41	51.45	96.55	415.55	-5,885.25	9,687.96	9,603.76	84.19	115.070		
10,700.00	6,988.99	7,301.61	6,962.43	113.14	51.45	96.61	415.56	-5,885.25	9,787.76	9,703.52	84.24	116.183		
10,800.00	6,990.02	7,302.26	6,963.08	115.88	51.45	96.67	415.57	-5,885.25	9,887.57	9,803.27	84.30	117.293		
10,900.00	6,991.05	7,302.92	6,963.74	118.62	51.45	96.73	415.58	-5,885.25	9,987.38	9,903.03	84.35	118.400		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-104.64	-1,425.99	-5,459.49	5,642.65					
100.00	100.00	53.66	53.66	3.28	3.28	-104.64	-1,425.82	-5,459.78	5,643.11	5,636.55	6.57	859.274		
200.00	200.00	109.97	109.96	3.34	3.29	-104.63	-1,425.26	-5,460.71	5,644.43	5,637.80	6.63	851.361		
300.00	299.98	208.38	208.33	3.45	3.36	-101.69	-1,423.79	-5,462.81	5,646.47	5,639.66	6.80	830.155		
400.00	399.84	312.61	312.53	3.61	3.48	-101.67	-1,422.35	-5,465.00	5,649.21	5,642.13	7.08	797.653		
500.00	499.45	443.59	443.48	3.82	3.71	-101.70	-1,420.59	-5,467.21	5,652.27	5,644.76	7.51	752.696		
600.00	598.70	545.44	545.30	4.07	3.93	-101.73	-1,418.80	-5,468.72	5,655.76	5,647.78	7.98	709.076		
680.00	677.76	618.76	618.60	4.29	4.11	-101.75	-1,417.16	-5,469.97	5,659.14	5,650.76	8.38	675.246		
700.00	697.48	637.70	637.52	4.35	4.16	-101.78	-1,416.73	-5,470.30	5,660.06	5,651.57	8.49	666.716		
800.00	796.08	750.39	750.17	4.66	4.48	-101.94	-1,414.31	-5,472.24	5,664.65	5,655.54	9.12	621.378		
900.00	894.68	841.49	841.23	4.98	4.76	-102.06	-1,411.94	-5,473.60	5,668.96	5,659.23	9.73	582.638		
1,000.00	993.28	907.44	907.13	5.34	4.97	-102.15	-1,409.78	-5,475.11	5,673.85	5,663.55	10.30	550.960		
1,100.00	1,091.88	1,017.70	1,017.29	5.71	5.34	-102.29	-1,406.06	-5,477.80	5,678.90	5,667.86	11.04	514.291		
1,200.00	1,190.48	1,111.93	1,111.45	6.10	5.67	-102.40	-1,403.01	-5,480.06	5,683.98	5,672.22	11.76	483.478		
1,300.00	1,289.07	1,218.07	1,217.51	6.49	6.05	-102.54	-1,399.68	-5,482.45	5,688.96	5,676.42	12.53	453.901		
1,400.00	1,387.67	1,287.51	1,286.90	6.90	6.30	-102.63	-1,397.70	-5,484.15	5,694.24	5,681.05	13.19	431.650		
1,500.00	1,486.27	1,400.06	1,399.37	7.31	6.72	-102.78	-1,394.70	-5,487.09	5,699.77	5,685.75	14.02	406.446		
1,600.00	1,584.87	1,503.99	1,503.24	7.73	7.11	-102.92	-1,391.90	-5,489.57	5,705.10	5,690.27	14.84	384.545		
1,700.00	1,683.47	1,629.27	1,628.44	8.16	7.59	-103.08	-1,388.60	-5,492.13	5,710.13	5,694.39	15.74	362.727		
1,800.00	1,782.07	1,700.00	1,699.14	8.59	7.87	-103.18	-1,386.81	-5,493.39	5,715.07	5,698.63	16.44	347.541		
1,900.00	1,880.67	1,756.91	1,756.02	9.02	8.09	-103.25	-1,385.37	-5,494.78	5,720.69	5,703.60	17.10	334.591		
2,000.00	1,979.27	1,800.00	1,799.06	9.46	8.26	-103.31	-1,384.23	-5,496.34	5,727.34	5,709.64	17.70	323.609		
2,100.00	2,077.87	1,837.47	1,836.47	9.90	8.42	-103.35	-1,382.99	-5,498.18	5,735.02	5,716.74	18.28	313.690		
2,200.00	2,176.47	1,900.00	1,898.77	10.35	8.68	-103.41	-1,379.89	-5,502.50	5,743.95	5,724.97	18.97	302.729		
2,300.00	2,275.07	1,945.58	1,944.12	10.79	8.87	-103.45	-1,377.19	-5,506.15	5,753.57	5,733.97	19.60	293.552		
2,400.00	2,373.67	2,125.57	2,123.22	11.24	9.66	-103.59	-1,365.21	-5,519.31	5,762.57	5,741.74	20.83	276.597		
2,500.00	2,472.27	2,200.00	2,197.17	11.69	10.00	-103.63	-1,358.92	-5,524.85	5,771.24	5,749.64	21.61	267.104		
2,600.00	2,570.87	2,248.99	2,245.82	12.14	10.22	-103.66	-1,354.66	-5,528.86	5,780.57	5,758.30	22.26	259.630		
2,700.00	2,669.47	2,300.00	2,296.43	12.59	10.46	-103.69	-1,350.32	-5,533.47	5,790.74	5,767.81	22.93	252.516		
2,800.00	2,768.07	2,365.85	2,361.69	13.04	10.78	-103.72	-1,344.41	-5,539.99	5,801.62	5,777.94	23.68	245.033		
2,900.00	2,866.67	2,526.33	2,520.45	13.50	11.56	-103.77	-1,327.79	-5,556.39	5,812.50	5,787.60	24.90	233.389		
3,000.00	2,965.27	2,619.82	2,612.72	13.95	12.03	-103.78	-1,316.10	-5,565.89	5,822.61	5,796.80	25.82	225.548		
3,100.00	3,063.87	2,689.71	2,681.60	14.41	12.39	-103.79	-1,306.92	-5,573.39	5,833.08	5,806.47	26.61	219.184		
3,200.00	3,162.47	2,749.64	2,740.64	14.87	12.70	-103.79	-1,299.20	-5,580.13	5,844.13	5,816.77	27.36	213.636		
3,300.00	3,261.07	2,809.22	2,799.34	15.32	13.01	-103.79	-1,291.78	-5,587.21	5,855.87	5,827.78	28.10	208.425		
3,400.00	3,359.67	2,878.26	2,867.31	15.78	13.37	-103.80	-1,283.25	-5,595.79	5,868.20	5,839.31	28.89	203.139		
3,500.00	3,458.27	2,937.34	2,925.43	16.24	13.69	-103.80	-1,275.93	-5,603.49	5,881.09	5,851.46	29.63	198.503		
3,600.00	3,556.87	3,000.00	2,986.99	16.70	14.03	-103.80	-1,268.17	-5,612.19	5,894.73	5,864.35	30.39	193.984		
3,700.00	3,655.47	3,048.65	3,034.75	17.16	14.30	-103.80	-1,262.20	-5,619.30	5,909.09	5,878.02	31.07	190.184		
3,800.00	3,754.06	3,121.45	3,106.16	17.62	14.71	-103.81	-1,253.46	-5,630.39	5,924.14	5,892.24	31.89	185.749		
3,900.00	3,852.66	3,251.97	3,234.09	18.08	15.46	-103.80	-1,236.63	-5,650.09	5,938.78	5,905.71	33.07	179.603		
4,000.00	3,951.26	3,364.38	3,344.15	18.54	16.12	-103.78	-1,221.44	-5,667.20	5,953.43	5,919.28	34.14	174.358		
4,100.00	4,049.86	3,519.48	3,496.11	19.01	17.01	-103.76	-1,200.08	-5,689.69	5,967.27	5,931.80	35.48	168.200		
4,200.00	4,148.46	3,624.71	3,599.30	19.47	17.61	-103.75	-1,185.76	-5,704.50	5,980.80	5,944.30	36.51	163.832		
4,300.00	4,247.06	3,760.48	3,732.32	19.93	18.38	-103.73	-1,165.89	-5,723.11	5,993.61	5,955.88	37.73	158.865		
4,400.00	4,345.66	3,839.57	3,809.76	20.39	18.84	-103.71	-1,154.07	-5,734.02	6,006.50	5,967.88	38.62	155.548		
4,500.00	4,444.26	3,917.52	3,886.01	20.86	19.29	-103.70	-1,142.42	-5,745.15	6,019.81	5,980.32	39.50	152.416		
4,600.00	4,542.86	4,022.49	3,988.90	21.32	19.90	-103.68	-1,127.64	-5,759.83	6,033.11	5,992.57	40.54	148.837		
4,700.00	4,641.46	4,090.24	4,055.27	21.78	20.29	-103.67	-1,118.08	-5,769.52	6,046.71	6,005.36	41.35	146.240		
4,800.00	4,740.06	4,147.37	4,111.17	22.25	20.62	-103.66	-1,110.00	-5,778.05	6,060.90	6,018.80	42.10	143.979		
4,900.00	4,838.66	4,204.71	4,167.34	22.71	20.96	-103.66	-1,102.51	-5,786.86	6,075.79	6,032.95	42.84	141.817		
5,000.00	4,937.26	4,304.43	4,265.11	23.18	21.54	-103.66	-1,090.37	-5,802.23	6,091.01	6,047.17	43.84	138.936		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,035.86	4,410.52	4,369.01	23.64	22.16	-103.65	-1,076.73	-5,818.78	6,106.20	6,061.31	44.89	136.033		
5,200.00	5,134.46	4,540.27	4,496.07	24.11	22.93	-103.64	-1,059.27	-5,838.45	6,120.72	6,074.63	46.09	132.800		
5,300.00	5,233.06	4,631.71	4,585.60	24.57	23.47	-103.63	-1,047.09	-5,852.51	6,135.56	6,088.51	47.05	130.406		
5,400.00	5,331.66	4,837.29	4,786.96	25.04	24.66	-103.60	-1,018.07	-5,882.05	6,149.01	6,100.29	48.72	126.219		
5,500.00	5,430.26	4,930.64	4,878.46	25.50	25.20	-103.58	-1,004.76	-5,894.87	6,162.02	6,112.34	49.69	124.015		
5,600.00	5,528.86	5,012.23	4,958.49	25.97	25.66	-103.58	-993.58	-5,906.09	6,175.22	6,124.64	50.58	122.089		
5,700.00	5,627.46	5,076.33	5,021.39	26.43	26.02	-103.57	-985.14	-5,915.11	6,188.87	6,137.51	51.36	120.495		
5,800.00	5,726.06	5,656.59	5,596.89	26.90	26.61	-103.88	-936.71	-5,965.72	6,198.16	6,143.57	54.59	113.539		
5,900.00	5,824.66	5,776.03	5,716.22	27.36	29.04	-104.02	-932.98	-5,969.26	6,204.15	6,148.63	55.51	111.758		
6,000.00	5,923.26	5,913.60	5,853.73	27.83	29.54	-104.19	-930.61	-5,972.24	6,209.86	6,153.36	56.50	109.903		
6,100.00	6,021.86	6,049.92	5,990.04	28.30	30.04	-104.38	-929.03	-5,973.77	6,214.71	6,157.23	57.48	108.113		
6,200.00	6,120.46	6,162.89	6,103.00	28.76	30.45	-104.53	-927.64	-5,974.87	6,219.51	6,161.13	58.38	106.539		
6,300.00	6,219.06	6,272.44	6,212.53	29.23	30.85	-104.68	-925.99	-5,975.62	6,223.96	6,164.70	59.26	105.028		
6,405.66	6,323.24	6,362.04	6,302.11	29.72	31.18	-104.80	-924.62	-5,976.30	6,228.77	6,168.68	60.10	103.647		
6,450.00	6,366.93	6,397.55	6,337.62	29.93	31.31	-127.61	-924.08	-5,976.65	6,232.37	6,171.94	60.44	103.122		
6,500.00	6,415.96	6,443.54	6,383.60	30.15	31.48	-147.27	-923.43	-5,977.14	6,240.00	6,179.16	60.84	102.567		
6,550.00	6,464.44	6,489.36	6,429.42	30.37	31.65	-160.02	-922.86	-5,977.61	6,251.33	6,190.09	61.23	102.094		
6,600.00	6,512.08	6,540.15	6,480.20	30.58	31.84	-168.35	-922.34	-5,978.11	6,266.26	6,204.63	61.63	101.669		
6,650.00	6,558.58	6,591.46	6,531.51	30.78	32.03	-174.16	-921.96	-5,978.52	6,284.68	6,222.66	62.03	101.319		
6,700.00	6,603.65	6,633.73	6,573.78	30.97	32.18	-178.53	-921.69	-5,978.83	6,306.49	6,244.11	62.38	101.100		
6,750.00	6,647.02	6,672.86	6,612.91	31.15	32.33	-177.94	-921.35	-5,979.18	6,331.59	6,268.89	62.71	100.973		
6,800.00	6,688.42	6,713.50	6,653.54	31.31	32.48	-174.88	-920.91	-5,979.59	6,359.83	6,296.81	63.03	100.909		
6,850.00	6,727.59	6,760.42	6,700.46	31.46	32.65	-172.04	-920.35	-5,980.04	6,390.98	6,327.62	63.36	100.872 SF		
6,900.00	6,764.29	6,804.43	6,744.46	31.60	32.82	-169.25	-919.80	-5,980.42	6,424.82	6,361.16	63.66	100.918		
6,950.00	6,798.30	6,834.21	6,774.23	31.73	32.93	-166.32	-919.37	-5,980.69	6,461.21	6,397.31	63.90	101.114		
7,000.00	6,829.41	6,862.31	6,802.33	31.84	33.04	-163.09	-918.90	-5,980.98	6,499.94	6,435.82	64.12	101.379		
7,050.00	6,857.42	6,887.50	6,827.52	32.03	33.13	-159.36	-918.41	-5,981.27	6,540.77	6,476.46	64.30	101.717		
7,100.00	6,882.16	6,909.86	6,849.87	32.36	33.21	-154.88	-917.94	-5,981.54	6,583.44	6,518.97	64.47	102.122		
7,150.00	6,903.48	6,929.29	6,869.29	32.73	33.29	-149.31	-917.53	-5,981.79	6,627.70	6,563.10	64.60	102.590		
7,200.00	6,921.25	6,945.36	6,885.35	33.15	33.35	-142.19	-917.19	-5,982.00	6,673.28	6,608.56	64.71	103.118		
7,250.00	6,935.36	6,957.97	6,897.96	33.61	33.40	-132.97	-916.92	-5,982.16	6,719.89	6,655.09	64.80	103.701		
7,300.00	6,945.72	6,967.05	6,907.04	34.11	33.43	-121.19	-916.72	-5,982.28	6,767.25	6,702.39	64.86	104.334		
7,350.00	6,952.26	6,972.56	6,912.55	34.65	33.45	-106.98	-916.60	-5,982.36	6,815.07	6,750.17	64.90	105.009		
7,403.14	6,955.00	6,974.46	6,914.45	35.26	33.46	-90.69	-916.56	-5,982.38	6,866.08	6,801.16	64.92	105.765		
7,500.00	6,955.99	6,974.21	6,914.20	36.49	33.46	-90.68	-916.57	-5,982.38	6,959.06	6,894.12	64.94	107.161		
7,600.00	6,957.03	6,973.95	6,913.94	37.93	33.46	-90.68	-916.57	-5,982.38	7,055.17	6,990.19	64.98	108.577		
7,700.00	6,958.06	6,973.69	6,913.68	39.52	33.45	-90.67	-916.58	-5,982.37	7,151.38	7,086.35	65.03	109.966		
7,800.00	6,959.09	6,973.43	6,913.42	41.25	33.45	-90.66	-916.58	-5,982.37	7,247.70	7,182.60	65.10	111.331		
7,900.00	6,960.12	6,973.17	6,913.16	43.09	33.45	-90.65	-916.59	-5,982.37	7,344.11	7,278.93	65.18	112.673		
8,000.00	6,961.15	6,972.91	6,912.90	45.04	33.45	-90.65	-916.60	-5,982.36	7,440.62	7,375.35	65.27	113.993		
8,100.00	6,962.18	6,972.65	6,912.64	47.08	33.45	-90.64	-916.60	-5,982.36	7,537.22	7,471.85	65.38	115.291		
8,200.00	6,963.21	6,972.39	6,912.38	49.20	33.45	-90.63	-916.61	-5,982.36	7,633.91	7,568.42	65.49	116.569		
8,300.00	6,964.24	6,972.14	6,912.13	51.39	33.45	-90.62	-916.61	-5,982.35	7,730.68	7,665.07	65.61	117.828		
8,400.00	6,965.27	6,971.88	6,911.87	53.64	33.45	-90.62	-916.62	-5,982.35	7,827.53	7,761.80	65.74	119.069		
8,500.00	6,966.30	6,971.62	6,911.61	55.95	33.45	-90.61	-916.62	-5,982.35	7,924.47	7,858.59	65.88	120.293		
8,600.00	6,967.33	6,971.37	6,911.36	58.30	33.45	-90.60	-916.63	-5,982.34	8,021.47	7,955.45	66.02	121.501		
8,700.00	6,968.37	6,971.11	6,911.10	60.70	33.45	-90.59	-916.63	-5,982.34	8,118.55	8,052.38	66.17	122.693		
8,800.00	6,969.40	6,970.86	6,910.85	63.14	33.44	-90.59	-916.64	-5,982.34	8,215.70	8,149.38	66.32	123.872		
8,900.00	6,970.43	6,970.61	6,910.60	65.60	33.44	-90.58	-916.65	-5,982.33	8,312.92	8,246.43	66.48	125.036		
9,000.00	6,971.46	6,970.35	6,910.34	68.10	33.44	-90.57	-916.65	-5,982.33	8,410.20	8,343.55	66.65	126.188		
9,100.00	6,972.49	6,970.10	6,910.09	70.63	33.44	-90.56	-916.66	-5,982.33	8,507.54	8,440.73	66.82	127.327		
9,200.00	6,973.52	6,969.85	6,909.84	73.18	33.44	-90.56	-916.66	-5,982.32	8,604.95	8,537.96	66.99	128.455		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SOUTH #6-22D - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
9,300.00	6,974.55	6,969.60	6,909.59	75.75	33.44	90.55	-916.67	-5,982.32	8,702.42	8,635.25	67.16	129.572	
9,400.00	6,975.58	6,969.35	6,909.34	78.34	33.44	90.54	-916.67	-5,982.32	8,799.94	8,732.60	67.34	130.678	
9,500.00	6,976.61	6,969.10	6,909.09	80.94	33.44	90.53	-916.68	-5,982.31	8,897.51	8,829.99	67.52	131.775	
9,600.00	6,977.64	6,968.85	6,908.84	83.56	33.44	90.53	-916.68	-5,982.31	8,995.14	8,927.44	67.70	132.863	
9,700.00	6,978.68	6,968.60	6,908.59	86.20	33.44	90.52	-916.69	-5,982.31	9,092.82	9,024.94	67.89	133.942	
9,800.00	6,979.71	6,968.35	6,908.34	88.85	33.43	90.51	-916.69	-5,982.30	9,190.56	9,122.48	68.07	135.013	
9,900.00	6,980.74	6,968.10	6,908.09	91.51	33.43	90.50	-916.70	-5,982.30	9,288.34	9,220.08	68.26	136.076	
10,000.00	6,981.77	6,967.86	6,907.85	94.19	33.43	90.50	-916.70	-5,982.30	9,386.16	9,317.72	68.45	137.131	
10,100.00	6,982.80	6,967.61	6,907.60	96.87	33.43	90.49	-916.71	-5,982.29	9,484.03	9,415.40	68.64	138.180	
10,200.00	6,983.83	6,967.36	6,907.35	99.56	33.43	90.48	-916.72	-5,982.29	9,581.95	9,513.12	68.83	139.221	
10,300.00	6,984.86	6,967.12	6,907.11	102.27	33.43	90.47	-916.72	-5,982.29	9,679.91	9,610.89	69.02	140.256	
10,400.00	6,985.89	6,966.87	6,906.86	104.98	33.43	90.47	-916.73	-5,982.28	9,777.91	9,708.70	69.21	141.286	
10,500.00	6,986.92	6,966.63	6,906.62	107.69	33.43	90.46	-916.73	-5,982.28	9,875.95	9,806.55	69.40	142.309	
10,600.00	6,987.95	6,966.38	6,906.37	110.41	33.43	90.45	-916.74	-5,982.28	9,974.03	9,904.44	69.59	143.327	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-104.92	-1,455.14	-5,462.28	5,652.78					
100.00	100.00	79.67	79.67	3.28	3.28	-104.91	-1,454.98	-5,462.51	5,653.02	5,646.45	6.57	860.519		
200.00	200.00	172.89	172.89	3.34	3.32	-104.91	-1,454.49	-5,463.17	5,653.57	5,646.91	6.66	848.919		
300.00	299.98	291.26	291.25	3.45	3.44	-102.00	-1,453.47	-5,463.99	5,654.38	5,647.49	6.89	821.212		
400.00	399.84	417.70	417.68	3.61	3.64	-102.03	-1,451.63	-5,464.49	5,655.48	5,648.23	7.25	780.542		
500.00	499.45	517.39	517.35	3.82	3.85	-102.06	-1,449.79	-5,464.77	5,657.10	5,649.45	7.66	738.919		
600.00	598.70	619.28	619.22	4.07	4.10	-102.12	-1,447.71	-5,465.09	5,659.45	5,651.30	8.15	694.609		
680.00	677.76	720.34	720.24	4.29	4.37	-102.21	-1,445.34	-5,465.27	5,661.70	5,653.05	8.65	654.887		
700.00	697.48	750.43	750.33	4.35	4.46	-102.25	-1,444.52	-5,465.26	5,662.26	5,653.47	8.79	644.059		
800.00	796.08	869.50	869.33	4.66	4.83	-102.41	-1,440.80	-5,464.92	5,664.74	5,655.27	9.47	598.265		
900.00	894.68	900.00	899.82	4.98	4.92	-102.45	-1,439.80	-5,464.81	5,667.58	5,657.68	9.90	572.339		
1,000.00	993.28	959.54	959.34	5.34	5.12	-102.53	-1,438.43	-5,465.02	5,671.21	5,660.76	10.45	542.658		
1,100.00	1,091.88	1,000.00	999.80	5.71	5.25	-102.60	-1,438.19	-5,465.65	5,676.16	5,665.21	10.96	518.081		
1,200.00	1,190.48	1,033.06	1,032.84	6.10	5.36	-102.65	-1,438.45	-5,466.41	5,682.22	5,670.77	11.45	496.215		
1,300.00	1,289.07	1,072.43	1,072.19	6.49	5.50	-102.72	-1,439.32	-5,467.55	5,689.35	5,677.37	11.98	474.966		
1,400.00	1,387.67	1,121.77	1,121.46	6.90	5.67	-102.82	-1,441.21	-5,469.28	5,697.53	5,684.98	12.55	453.935		
1,500.00	1,486.27	1,200.00	1,199.55	7.31	5.96	-102.97	-1,444.85	-5,472.28	5,706.34	5,693.10	13.24	430.971		
1,600.00	1,584.87	1,246.65	1,246.08	7.73	6.15	-103.07	-1,447.52	-5,474.21	5,715.80	5,701.97	13.83	413.365		
1,700.00	1,683.47	1,300.00	1,299.24	8.16	6.36	-103.18	-1,451.35	-5,476.66	5,726.15	5,711.71	14.45	396.410		
1,800.00	1,782.07	1,365.67	1,364.58	8.59	6.64	-103.34	-1,457.06	-5,479.81	5,737.23	5,722.10	15.13	379.266		
1,900.00	1,880.67	1,400.00	1,398.71	9.02	6.79	-103.42	-1,460.41	-5,481.45	5,749.00	5,733.31	15.68	366.549		
2,000.00	1,979.27	1,454.72	1,453.04	9.46	7.04	-103.55	-1,466.27	-5,484.42	5,761.64	5,745.31	16.34	352.703		
2,100.00	2,077.87	1,500.00	1,497.90	9.90	7.25	-103.67	-1,471.57	-5,487.42	5,775.50	5,758.55	16.95	340.790		
2,200.00	2,176.47	1,500.00	1,497.90	10.35	7.25	-103.67	-1,471.57	-5,487.42	5,790.57	5,773.21	17.36	333.602		
2,300.00	2,275.07	1,550.07	1,547.41	10.79	7.50	-103.80	-1,477.93	-5,491.43	5,806.61	5,788.62	18.00	322.653		
2,400.00	2,373.67	1,600.00	1,596.61	11.24	7.76	-103.93	-1,484.85	-5,496.28	5,824.12	5,805.48	18.63	312.581		
2,500.00	2,472.27	1,600.00	1,596.61	11.69	7.76	-103.93	-1,484.85	-5,496.28	5,842.57	5,823.54	19.03	306.977		
2,600.00	2,570.87	1,636.75	1,632.71	12.14	7.98	-104.03	-1,490.38	-5,500.36	5,862.30	5,842.69	19.61	298.921		
2,700.00	2,669.47	1,665.89	1,661.26	12.59	8.15	-104.11	-1,495.09	-5,503.85	5,883.22	5,863.07	20.15	291.991		
2,800.00	2,768.07	1,700.00	1,694.57	13.04	8.36	-104.20	-1,500.96	-5,508.24	5,905.30	5,884.59	20.71	285.188		
2,900.00	2,866.67	1,756.84	1,749.93	13.50	8.73	-104.37	-1,511.38	-5,515.79	5,928.30	5,906.90	21.40	277.069		
3,000.00	2,965.27	1,821.87	1,813.14	13.95	9.17	-104.56	-1,524.02	-5,524.42	5,951.84	5,929.70	22.13	268.928		
3,100.00	3,063.87	1,880.20	1,869.75	14.41	9.57	-104.74	-1,535.57	-5,532.41	5,976.02	5,953.19	22.83	261.716		
3,200.00	3,162.47	1,900.00	1,888.95	14.87	9.71	-104.79	-1,539.51	-5,535.20	6,001.07	5,977.76	23.31	257.408		
3,300.00	3,261.07	1,954.35	1,941.54	15.32	10.11	-104.96	-1,550.65	-5,543.24	6,026.94	6,002.94	24.00	251.168		
3,400.00	3,359.67	2,000.00	1,985.51	15.78	10.45	-105.10	-1,560.52	-5,550.51	6,054.00	6,029.38	24.62	245.879		
3,500.00	3,458.27	2,064.95	2,047.95	16.24	10.96	-105.30	-1,574.92	-5,561.12	6,081.81	6,056.44	25.37	239.695		
3,600.00	3,556.87	2,204.66	2,182.47	16.70	12.04	-105.71	-1,605.20	-5,583.58	6,109.48	6,082.90	26.58	229.857		
3,700.00	3,655.47	2,275.76	2,251.04	17.16	12.57	-105.92	-1,620.07	-5,595.05	6,137.03	6,109.67	27.36	224.325		
3,800.00	3,754.06	2,366.45	2,338.46	17.62	13.26	-106.18	-1,639.24	-5,609.78	6,164.89	6,136.63	28.26	218.158		
3,900.00	3,852.66	2,465.49	2,433.90	18.08	14.02	-106.47	-1,660.41	-5,625.67	6,192.80	6,163.59	29.22	211.973		
4,000.00	3,951.26	2,551.22	2,516.50	18.54	14.67	-106.72	-1,678.84	-5,639.32	6,220.80	6,190.71	30.09	206.724		
4,100.00	4,049.86	2,645.78	2,607.48	19.01	15.39	-107.00	-1,699.89	-5,654.21	6,249.06	6,218.03	31.03	201.375		
4,200.00	4,148.46	2,858.68	2,812.75	19.47	16.95	-107.62	-1,747.31	-5,684.82	6,276.08	6,243.34	32.73	191.737		
4,300.00	4,247.06	2,931.43	2,882.97	19.93	17.46	-107.84	-1,763.47	-5,694.81	6,302.89	6,269.36	33.53	187.971		
4,400.00	4,345.66	3,009.30	2,958.12	20.39	18.02	-108.06	-1,780.70	-5,705.78	6,330.11	6,295.75	34.36	184.229		
4,500.00	4,444.26	3,165.87	3,109.66	20.86	19.10	-108.49	-1,812.99	-5,728.26	6,357.11	6,321.44	35.67	178.242		
4,600.00	4,542.86	3,262.58	3,203.38	21.32	19.75	-108.75	-1,832.86	-5,741.46	6,383.57	6,346.97	36.60	174.432		
4,700.00	4,641.46	4,700.00	3,324.35	21.78	29.26	-109.10	-1,859.31	-5,757.78	6,409.89	6,365.18	44.72	143.347		
4,800.00	4,740.06	3,461.94	3,396.53	22.25	21.07	-109.30	-1,874.93	-5,767.33	6,436.13	6,397.63	38.50	167.176		
4,900.00	4,838.66	3,524.79	3,457.37	22.71	21.49	-109.47	-1,888.17	-5,775.89	6,463.13	6,423.91	39.22	164.805		
5,000.00	4,937.26	3,600.00	3,530.21	23.18	21.99	-109.67	-1,903.82	-5,786.19	6,490.28	6,450.27	40.01	162.214		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,035.86	3,649.65	3,578.20	23.64	22.35	-109.81	-1,914.53	-5,793.04	6,518.04	6,477.39	40.65	160.343		
5,200.00	5,134.46	3,700.00	3,626.62	24.11	22.71	-109.95	-1,926.37	-5,800.16	6,546.80	6,505.51	41.29	158.554		
5,300.00	5,233.06	3,731.28	3,656.60	24.57	22.95	-110.04	-1,934.06	-5,804.67	6,576.33	6,534.53	41.81	157.295		
5,400.00	5,331.66	3,786.65	3,709.61	25.04	23.38	-110.20	-1,947.81	-5,812.84	6,606.56	6,564.07	42.49	155.482		
5,500.00	5,430.26	3,857.60	3,777.48	25.50	23.95	-110.41	-1,965.45	-5,823.64	6,637.33	6,594.05	43.28	153.360		
5,600.00	5,528.86	4,110.69	4,020.84	25.97	25.87	-111.07	-2,022.83	-5,862.73	6,667.85	6,622.56	45.29	147.240		
5,700.00	5,627.46	4,256.99	4,162.46	26.43	26.87	-111.43	-2,052.80	-5,883.84	6,696.20	6,649.68	46.52	143.942		
5,800.00	5,726.06	4,342.39	4,245.25	26.90	27.44	-111.64	-2,069.84	-5,896.14	6,724.44	6,677.08	47.36	141.972		
5,900.00	5,824.66	4,400.00	4,301.02	27.36	27.83	-111.78	-2,081.69	-5,904.37	6,753.04	6,705.01	48.03	140.600		
6,000.00	5,923.26	4,466.08	4,364.87	27.83	28.30	-111.94	-2,095.76	-5,913.88	6,782.13	6,733.37	48.76	139.103		
6,100.00	6,021.86	4,534.01	4,430.40	28.30	28.78	-112.11	-2,110.66	-5,923.87	6,811.82	6,762.33	49.49	137.627		
6,200.00	6,120.46	4,600.00	4,494.02	28.76	29.26	-112.28	-2,125.25	-5,933.57	6,841.77	6,791.55	50.22	136.234		
6,300.00	6,219.06	4,654.79	4,548.23	29.23	29.73	-112.45	-2,139.84	-5,944.06	6,871.72	6,821.50	50.95	134.786		
6,405.66	6,323.24	4,691.45	4,585.87	29.72	30.22	-112.62	-2,153.92	-5,954.35	6,901.67	6,851.45	51.68	133.286		
6,450.00	6,366.93	4,723.07	4,617.49	29.93	30.67	-112.79	-2,167.42	-5,964.04	6,931.62	6,881.40	52.41	131.736		
6,500.00	6,415.96	4,773.63	4,668.05	30.15	31.17	-112.96	-2,180.92	-5,973.53	6,961.57	6,911.35	53.14	130.136		
6,550.00	6,464.44	4,823.65	4,718.06	30.37	31.69	-113.13	-2,194.42	-5,983.04	6,991.52	6,941.30	53.87	128.486		
6,600.00	6,512.08	4,873.61	4,768.02	30.58	32.21	-113.30	-2,207.92	-5,992.55	7,021.47	6,971.25	54.60	126.786		
6,650.00	6,558.58	4,923.61	4,818.02	30.78	32.73	-113.47	-2,221.42	-6,002.06	7,051.42	7,001.20	55.33	125.036		
6,700.00	6,603.65	4,973.61	4,868.02	30.97	33.25	-113.64	-2,234.92	-6,011.57	7,081.37	7,031.15	56.06	123.236		
6,750.00	6,647.02	5,023.61	4,918.02	31.15	33.77	-113.81	-2,248.42	-6,021.08	7,111.32	7,061.10	56.79	121.436		
6,800.00	6,688.42	5,073.61	4,968.02	31.31	34.29	-113.98	-2,261.92	-6,030.59	7,141.27	7,091.05	57.52	119.636		
6,850.00	6,727.59	5,123.61	5,018.02	31.46	34.81	-114.15	-2,275.42	-6,040.10	7,171.22	7,121.00	58.25	117.786		
6,900.00	6,764.29	5,173.61	5,068.02	31.60	35.33	-114.32	-2,288.92	-6,049.61	7,201.17	7,150.95	58.98	115.936		
6,950.00	6,798.30	5,223.61	5,118.02	31.73	35.85	-114.49	-2,302.42	-6,059.12	7,231.12	7,180.90	59.71	114.036		
7,000.00	6,829.41	5,273.61	5,168.02	31.84	36.37	-114.66	-2,315.92	-6,068.63	7,261.07	7,210.85	60.44	112.136		
7,050.00	6,857.42	5,323.61	5,218.02	32.03	36.89	-114.83	-2,329.42	-6,078.14	7,291.02	7,240.80	61.17	110.186		
7,100.00	6,882.16	5,373.61	5,268.02	32.16	37.41	-114.99	-2,342.92	-6,087.65	7,320.97	7,270.75	61.90	108.236		
7,150.00	6,903.48	5,423.61	5,318.02	32.27	37.93	-115.16	-2,356.42	-6,097.16	7,350.92	7,300.70	62.63	106.286		
7,200.00	6,921.25	5,473.61	5,368.02	32.35	38.45	-115.33	-2,369.92	-6,106.67	7,380.87	7,330.65	63.36	104.336		
7,250.00	6,935.36	5,523.61	5,418.02	32.41	38.97	-115.50	-2,383.42	-6,116.18	7,410.82	7,360.60	64.09	102.386		
7,300.00	6,945.72	5,573.61	5,468.02	32.46	39.49	-115.67	-2,396.92	-6,125.69	7,440.77	7,390.55	64.82	100.436		
7,350.00	6,952.26	5,623.61	5,518.02	32.50	40.01	-115.84	-2,410.42	-6,135.20	7,470.72	7,420.50	65.55	98.486		
7,403.14	6,955.00	5,673.61	5,568.02	32.53	40.53	-115.99	-2,423.92	-6,144.71	7,500.67	7,450.45	66.28	96.536		
7,500.00	6,955.99	5,723.61	5,618.02	32.55	41.05	-116.16	-2,437.42	-6,154.22	7,530.62	7,480.40	67.01	94.586		
7,600.00	6,957.03	5,773.61	5,668.02	32.56	41.57	-116.33	-2,450.92	-6,163.73	7,560.57	7,510.35	67.74	92.636		
7,700.00	6,958.06	5,823.61	5,718.02	32.56	42.09	-116.50	-2,464.42	-6,173.24	7,590.52	7,540.30	68.47	90.686		
7,800.00	6,959.09	5,873.61	5,768.02	32.55	42.61	-116.67	-2,477.92	-6,182.75	7,620.47	7,570.25	69.20	88.736		
7,900.00	6,960.12	5,923.61	5,818.02	32.53	43.13	-116.84	-2,491.42	-6,192.26	7,650.42	7,600.20	69.93	86.786		
8,000.00	6,961.15	5,973.61	5,868.02	32.49	43.65	-117.01	-2,504.92	-6,201.77	7,680.37	7,630.15	70.66	84.836		
8,100.00	6,962.18	6,023.61	5,918.02	32.44	44.17	-117.18	-2,518.42	-6,211.28	7,710.32	7,660.10	71.39	82.886		
8,200.00	6,963.21	6,073.61	5,968.02	32.37	44.69	-117.35	-2,531.92	-6,220.79	7,740.27	7,690.05	72.12	80.936		
8,300.00	6,964.24	6,123.61	6,018.02	32.28	45.21	-117.52	-2,545.42	-6,230.30	7,770.22	7,720.00	72.85	78.986		
8,400.00	6,965.27	6,173.61	6,068.02	32.17	45.73	-117.69	-2,558.92	-6,239.81	7,800.17	7,750.00	73.58	77.036		
8,500.00	6,966.30	6,223.61	6,118.02	32.04	46.25	-117.86	-2,572.42	-6,249.32	7,830.12	7,780.00	74.31	75.086		
8,600.00	6,967.33	6,273.61	6,168.02	31.89	46.77	-118.03	-2,585.92	-6,258.83	7,860.07	7,810.00	75.04	73.136		
8,700.00	6,968.37	6,323.61	6,218.02	31.72	47.29	-118.20	-2,599.42	-6,268.34	7,890.02	7,840.00	75.77	71.186		
8,800.00	6,969.40	6,373.61	6,268.02	31.53	47.81	-118.37	-2,612.92	-6,277.85	7,920.00	7,870.00	76.50	69.236		
8,900.00	6,970.43	6,423.61	6,318.02	31.32	48.33	-118.54	-2,626.42	-6,287.36	7,950.00	7,900.00	77.23	67.286		
9,000.00	6,971.46	6,473.61	6,368.02	31.09	48.85	-118.71	-2,639.92	-6,296.87	7,980.00	7,930.00	77.96	65.336		
9,100.00	6,972.49	6,523.61	6,418.02	30.84	49.37	-118.88	-2,653.42	-6,306.38	8,010.00	7,960.00	78.69	63.386		
9,200.00	6,973.52	6,573.61	6,468.02	30.57	49.89	-119.05	-2,666.92	-6,315.89	8,040.00	7,990.00	79.42	61.436		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - SOUTH #6-23D - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)		
9,300.00	6,974.55	6,953.63	6,822.96	75.75	39.29	88.83	-2,318.55	-6,072.29	9,219.26	9,146.84	72.42	127.296	
9,400.00	6,975.58	6,953.66	6,822.98	78.34	39.29	88.83	-2,318.55	-6,072.29	9,312.55	9,239.64	72.91	127.729	
9,500.00	6,976.61	6,953.68	6,823.01	80.94	39.29	88.83	-2,318.55	-6,072.29	9,405.98	9,332.58	73.40	128.155	
9,600.00	6,977.64	6,953.71	6,823.04	83.56	39.29	88.83	-2,318.55	-6,072.29	9,499.54	9,425.65	73.88	128.578	
9,700.00	6,978.68	6,953.74	6,823.06	86.20	39.29	88.83	-2,318.55	-6,072.29	9,593.23	9,518.86	74.37	128.997	
9,800.00	6,979.71	6,953.76	6,823.09	88.85	39.29	88.83	-2,318.55	-6,072.29	9,687.04	9,612.19	74.85	129.414	
9,900.00	6,980.74	6,953.79	6,823.11	91.51	39.29	88.84	-2,318.55	-6,072.29	9,780.98	9,705.64	75.34	129.830	
10,000.00	6,981.77	6,953.81	6,823.14	94.19	39.29	88.84	-2,318.56	-6,072.29	9,875.04	9,799.22	75.82	130.244	
10,100.00	6,982.80	6,953.84	6,823.16	96.87	39.29	88.84	-2,318.56	-6,072.29	9,969.21	9,892.91	76.30	130.659	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.35	10.35	3.28	3.28	-105.02	-1,466.06	-5,462.28	5,655.60					
100.00	100.00	154.52	154.52	3.28	3.31	-105.03	-1,465.98	-5,461.19	5,654.75	5,648.16	6.60	857.332		
200.00	200.00	242.72	242.71	3.34	3.38	-105.03	-1,465.95	-5,460.50	5,653.98	5,647.26	6.72	841.366		
277.13	277.12	313.15	313.14	3.42	3.47	-102.14	-1,465.96	-5,460.03	5,653.71	5,646.83	6.88	821.211 CC		
300.00	299.98	331.78	331.77	3.45	3.50	-102.15	-1,465.96	-5,459.93	5,653.74	5,646.80	6.94	814.580 ES		
400.00	399.84	415.72	415.71	3.61	3.64	-102.18	-1,465.97	-5,459.64	5,654.51	5,647.27	7.24	781.091		
500.00	499.45	515.67	515.66	3.82	3.84	-102.23	-1,465.90	-5,459.46	5,656.17	5,648.52	7.65	739.611		
600.00	598.70	624.61	624.60	4.07	4.10	-102.32	-1,465.71	-5,459.11	5,658.41	5,650.26	8.15	693.893		
680.00	677.76	691.94	691.92	4.29	4.28	-102.37	-1,465.65	-5,458.93	5,660.83	5,652.27	8.56	661.571		
700.00	697.48	709.15	709.14	4.35	4.33	-102.40	-1,465.65	-5,458.90	5,661.52	5,652.86	8.66	653.514		
800.00	796.08	797.14	797.13	4.66	4.58	-102.55	-1,465.68	-5,458.85	5,665.13	5,655.90	9.23	613.848		
900.00	894.68	863.09	863.08	4.98	4.78	-102.66	-1,465.99	-5,458.99	5,669.16	5,659.39	9.77	580.535		
1,000.00	993.28	900.00	899.98	5.34	4.90	-102.72	-1,466.40	-5,459.18	5,673.92	5,663.68	10.24	554.241		
1,100.00	1,091.88	951.55	951.51	5.71	5.07	-102.82	-1,467.65	-5,459.76	5,679.61	5,668.84	10.78	526.978		
1,200.00	1,190.48	1,000.00	999.90	6.10	5.24	-102.91	-1,469.83	-5,460.78	5,686.54	5,675.22	11.32	502.189		
1,300.00	1,289.07	1,027.16	1,027.00	6.49	5.34	-102.97	-1,471.46	-5,461.53	5,694.51	5,682.69	11.82	481.946		
1,400.00	1,387.67	1,069.21	1,068.92	6.90	5.50	-103.07	-1,474.54	-5,462.88	5,703.54	5,691.17	12.37	461.057		
1,500.00	1,486.27	1,100.00	1,099.57	7.31	5.62	-103.14	-1,477.22	-5,464.00	5,713.63	5,700.74	12.89	443.258		
1,600.00	1,584.87	1,154.50	1,153.73	7.73	5.86	-103.28	-1,482.86	-5,466.25	5,724.67	5,711.14	13.52	423.284		
1,700.00	1,683.47	1,200.00	1,198.83	8.16	6.07	-103.40	-1,488.47	-5,468.36	5,736.74	5,722.61	14.13	406.117		
1,800.00	1,782.07	1,249.22	1,247.52	8.59	6.31	-103.53	-1,495.30	-5,470.83	5,749.74	5,734.97	14.77	389.410		
1,900.00	1,880.67	1,300.00	1,297.63	9.02	6.57	-103.68	-1,503.04	-5,473.52	5,763.58	5,748.17	15.42	373.891		
2,000.00	1,979.27	1,340.71	1,337.72	9.46	6.80	-103.80	-1,509.74	-5,475.88	5,778.38	5,762.35	16.03	360.458		
2,100.00	2,077.87	1,400.00	1,395.93	9.90	7.13	-103.99	-1,520.29	-5,479.79	5,794.30	5,777.56	16.74	346.074		
2,200.00	2,176.47	1,437.93	1,433.07	10.35	7.36	-104.11	-1,527.49	-5,482.44	5,811.03	5,793.68	17.36	334.821		
2,300.00	2,275.07	1,500.00	1,493.75	10.79	7.74	-104.31	-1,539.86	-5,486.69	5,828.38	5,810.28	18.10	321.995		
2,400.00	2,373.67	1,562.06	1,554.26	11.24	8.13	-104.52	-1,552.95	-5,491.01	5,846.40	5,827.54	18.86	309.982		
2,500.00	2,472.27	1,620.77	1,611.33	11.69	8.51	-104.72	-1,566.01	-5,495.34	5,865.25	5,845.64	19.61	299.135		
2,600.00	2,570.87	1,699.25	1,687.33	12.14	9.03	-105.00	-1,584.75	-5,500.90	5,884.63	5,864.14	20.49	287.221		
2,700.00	2,669.47	1,742.66	1,729.19	12.59	9.35	-105.16	-1,595.85	-5,503.92	5,904.70	5,883.53	21.17	278.920		
2,800.00	2,768.07	1,800.00	1,784.21	13.04	9.77	-105.38	-1,611.45	-5,508.12	5,925.77	5,903.82	21.94	270.044		
2,900.00	2,866.67	1,826.61	1,809.64	13.50	9.98	-105.48	-1,619.03	-5,510.16	5,947.73	5,925.21	22.52	264.127		
3,000.00	2,965.27	1,867.33	1,848.43	13.95	10.30	-105.64	-1,630.97	-5,513.42	5,970.71	5,947.52	23.19	257.451		
3,100.00	3,063.87	1,900.00	1,879.44	14.41	10.56	-105.78	-1,640.87	-5,516.16	5,994.68	5,970.88	23.80	251.863		
3,200.00	3,162.47	1,951.08	1,927.72	14.87	11.01	-105.99	-1,656.93	-5,520.60	6,019.58	5,995.02	24.57	245.031		
3,300.00	3,261.07	2,000.00	1,973.72	15.32	11.44	-106.19	-1,673.00	-5,525.01	6,045.43	6,020.12	25.31	238.848		
3,400.00	3,359.67	2,043.23	2,014.17	15.78	11.84	-106.38	-1,687.73	-5,528.97	6,072.16	6,046.13	26.03	233.295		
3,500.00	3,458.27	2,100.00	2,067.02	16.24	12.38	-106.63	-1,707.78	-5,534.19	6,099.69	6,072.84	26.85	227.135		
3,600.00	3,556.87	2,137.94	2,102.19	16.70	12.76	-106.79	-1,721.57	-5,537.74	6,128.06	6,100.53	27.53	222.580		
3,700.00	3,655.47	2,200.00	2,159.48	17.16	13.39	-107.07	-1,744.64	-5,543.84	6,157.39	6,128.97	28.42	216.655		
3,800.00	3,754.06	2,200.00	2,159.48	17.62	13.39	-107.07	-1,744.64	-5,543.84	6,187.58	6,158.84	28.74	215.274		
3,900.00	3,852.66	2,261.15	2,215.64	18.08	14.04	-107.35	-1,767.98	-5,550.23	6,218.59	6,188.95	29.63	209.862		
4,000.00	3,951.26	2,300.00	2,251.16	18.54	14.45	-107.52	-1,783.11	-5,554.52	6,250.59	6,220.29	30.31	206.255		
4,100.00	4,049.86	2,341.31	2,288.81	19.01	14.92	-107.71	-1,799.45	-5,559.26	6,283.50	6,252.49	31.01	202.627		
4,200.00	4,148.46	2,400.00	2,342.07	19.47	15.59	-107.98	-1,823.08	-5,566.29	6,317.32	6,285.44	31.88	198.165		
4,300.00	4,247.06	2,428.93	2,368.22	19.93	15.94	-108.11	-1,834.92	-5,569.84	6,351.89	6,319.43	32.46	195.682		
4,400.00	4,345.66	2,480.32	2,414.53	20.39	16.56	-108.35	-1,856.27	-5,576.18	6,387.24	6,353.97	33.26	192.014		
4,500.00	4,444.26	2,500.00	2,432.22	20.86	16.79	-108.44	-1,864.56	-5,578.61	6,423.41	6,389.68	33.74	190.406		
4,600.00	4,542.86	2,556.40	2,482.63	21.32	17.52	-108.71	-1,888.83	-5,585.69	6,460.31	6,425.70	34.61	186.655		
4,700.00	4,641.46	2,600.00	2,521.31	21.78	18.09	-108.91	-1,908.17	-5,591.30	6,498.22	6,462.88	35.34	183.882		
4,800.00	4,740.06	2,634.42	2,551.69	22.25	18.56	-109.08	-1,923.70	-5,595.81	6,536.94	6,500.96	35.98	181.686		
4,900.00	4,838.66	2,681.58	2,593.20	22.71	19.21	-109.31	-1,945.19	-5,602.07	6,576.40	6,539.64	36.76	178.911		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	2,785.90	2,684.96	23.18	20.66	-109.80	-1,992.80	-5,616.09	6,616.37	6,578.18	38.19	173.257		
5,100.00	5,035.86	2,927.23	2,810.52	23.64	22.54	-110.45	-2,054.81	-5,635.12	6,655.65	6,615.67	39.98	166.486		
5,200.00	5,134.46	2,970.29	2,848.90	24.11	23.10	-110.64	-2,073.37	-5,641.16	6,695.42	6,654.76	40.66	164.652		
5,300.00	5,233.06	3,266.54	3,115.76	24.57	26.75	-111.87	-2,194.84	-5,683.22	6,735.04	6,691.11	43.93	153.312		
5,400.00	5,331.66	3,674.19	3,490.40	25.04	30.91	-113.45	-2,348.06	-5,730.89	6,770.97	6,723.10	47.87	141.448		
5,500.00	5,430.26	3,700.00	3,514.28	25.50	31.15	-113.55	-2,357.56	-5,733.33	6,805.32	6,756.99	48.32	140.828		
5,600.00	5,528.86	3,739.01	3,550.20	25.97	31.54	-113.70	-2,372.29	-5,737.12	6,840.49	6,791.58	48.91	139.857		
5,700.00	5,627.46	3,761.51	3,570.79	26.43	31.77	-113.79	-2,381.08	-5,739.42	6,876.73	6,827.40	49.34	139.383		
5,800.00	5,726.06	3,800.00	3,605.76	26.90	32.16	-113.94	-2,396.60	-5,743.55	6,914.03	6,864.13	49.90	138.545		
5,900.00	5,824.66	3,800.00	3,605.76	27.36	32.16	-113.94	-2,396.60	-5,743.55	6,952.17	6,902.07	50.11	138.749		
6,000.00	5,923.26	3,852.20	3,652.92	27.83	32.76	-114.15	-2,418.20	-5,749.45	6,991.15	6,940.33	50.83	137.552		
6,100.00	6,021.86	3,900.00	3,695.97	28.30	33.31	-114.34	-2,438.18	-5,755.10	7,030.87	6,979.38	51.49	136.536		
6,200.00	6,120.46	3,946.41	3,737.68	28.76	33.86	-114.53	-2,457.73	-5,760.74	7,071.24	7,019.08	52.15	135.583		
6,300.00	6,219.06	4,004.56	3,789.85	29.23	34.56	-114.76	-2,482.39	-5,767.94	7,112.16	7,059.23	52.93	134.369		
6,405.66	6,323.24	4,261.55	4,022.83	29.72	37.46	-115.73	-2,586.12	-5,799.28	7,153.72	7,098.07	55.65	128.554		
6,450.00	6,366.93	4,280.35	4,040.03	29.93	37.66	-139.36	-2,593.28	-5,801.74	7,172.50	7,116.60	55.90	128.301		
6,500.00	6,415.96	4,300.00	4,058.00	30.15	37.87	-160.05	-2,600.78	-5,804.37	7,196.71	7,140.54	56.18	128.107		
6,550.00	6,464.44	4,322.77	4,078.81	30.37	38.13	-174.02	-2,609.49	-5,807.47	7,223.97	7,167.49	56.48	127.903		
6,600.00	6,512.08	4,343.56	4,097.79	30.58	38.36	176.24	-2,617.47	-5,810.35	7,254.07	7,197.31	56.76	127.803		
6,650.00	6,558.58	4,363.46	4,115.95	30.78	38.59	168.75	-2,625.14	-5,813.14	7,286.82	7,229.79	57.03	127.776		
6,700.00	6,603.65	4,400.00	4,149.23	30.97	39.00	162.36	-2,639.28	-5,818.35	7,322.02	7,264.57	57.45	127.443 SF		
6,750.00	6,647.02	4,400.17	4,149.38	31.15	39.00	156.45	-2,639.34	-5,818.37	7,359.33	7,301.81	57.53	127.930		
6,800.00	6,688.42	4,431.43	4,177.82	31.31	39.36	150.52	-2,651.53	-5,822.84	7,398.59	7,340.69	57.90	127.777		
6,850.00	6,727.59	4,460.33	4,204.08	31.46	39.70	144.26	-2,662.90	-5,826.90	7,439.48	7,381.23	58.25	127.710		
6,900.00	6,764.29	4,486.73	4,228.04	31.60	40.00	137.42	-2,673.37	-5,830.53	7,481.75	7,423.17	58.58	127.723		
6,950.00	6,798.30	4,510.50	4,249.59	31.73	40.28	129.80	-2,682.87	-5,833.75	7,525.15	7,466.28	58.88	127.812		
7,000.00	6,829.41	4,525.27	4,262.97	31.84	40.45	121.27	-2,688.80	-5,835.74	7,569.43	7,510.34	59.09	128.091		
7,050.00	6,857.42	4,539.72	4,276.05	32.03	40.62	111.94	-2,694.64	-5,837.67	7,614.33	7,555.02	59.31	128.385		
7,100.00	6,882.16	4,551.73	4,286.92	32.36	40.76	102.11	-2,699.50	-5,839.26	7,659.56	7,600.06	59.50	128.725		
7,150.00	6,903.48	4,561.23	4,295.50	32.73	40.87	92.23	-2,703.36	-5,840.52	7,704.88	7,645.20	59.68	129.104		
7,200.00	6,921.25	4,568.14	4,301.75	33.15	40.95	82.85	-2,706.18	-5,841.43	7,750.00	7,690.16	59.84	129.514		
7,250.00	6,935.36	4,572.43	4,305.62	33.61	41.00	74.36	-2,707.93	-5,841.99	7,794.67	7,734.69	59.98	129.946		
7,300.00	6,945.72	4,574.07	4,307.10	34.11	41.02	66.98	-2,708.60	-5,842.21	7,838.63	7,778.51	60.12	130.394		
7,350.00	6,952.26	4,573.02	4,306.16	34.65	41.01	60.72	-2,708.17	-5,842.07	7,881.62	7,821.38	60.23	130.849		
7,403.14	6,955.00	4,568.97	4,302.49	35.26	40.96	55.21	-2,706.52	-5,841.54	7,925.96	7,865.61	60.35	131.333		
7,500.00	6,955.99	4,558.76	4,293.27	36.49	40.84	55.09	-2,702.36	-5,840.19	8,005.56	7,944.97	60.58	132.145		
7,600.00	6,957.03	4,548.13	4,283.65	37.93	40.72	54.96	-2,698.04	-5,838.79	8,088.10	8,027.24	60.87	132.882		
7,700.00	6,958.06	4,537.40	4,273.95	39.52	40.59	54.82	-2,693.70	-5,837.36	8,171.02	8,109.83	61.19	133.534		
7,800.00	6,959.09	4,526.57	4,264.15	41.25	40.47	54.69	-2,689.33	-5,835.91	8,254.31	8,192.76	61.55	134.109		
7,900.00	6,960.12	4,515.65	4,254.26	43.09	40.34	54.56	-2,684.93	-5,834.45	8,337.94	8,276.00	61.94	134.618		
8,000.00	6,961.15	4,506.03	4,245.54	45.04	40.22	54.44	-2,681.08	-5,833.15	8,421.91	8,359.55	62.37	135.039		
8,100.00	6,962.18	4,491.46	4,232.33	47.08	40.06	54.26	-2,675.26	-5,831.18	8,506.21	8,443.44	62.77	135.512		
8,200.00	6,963.21	4,476.60	4,218.85	49.20	39.88	54.08	-2,669.34	-5,829.14	8,590.83	8,527.64	63.19	135.948		
8,300.00	6,964.24	4,461.44	4,205.09	51.39	39.71	53.90	-2,663.34	-5,827.05	8,675.75	8,612.12	63.63	136.353		
8,400.00	6,965.27	4,445.97	4,191.04	53.64	39.53	53.71	-2,657.24	-5,824.89	8,760.97	8,696.89	64.07	136.734		
8,500.00	6,966.30	4,430.19	4,176.70	55.95	39.35	53.52	-2,651.05	-5,822.67	8,846.47	8,781.94	64.53	137.097		
8,600.00	6,967.33	4,414.08	4,162.05	58.30	39.16	53.32	-2,644.75	-5,820.37	8,932.25	8,867.26	64.99	137.448		
8,700.00	6,968.37	4,400.00	4,149.23	60.70	39.00	53.15	-2,639.28	-5,818.35	9,018.29	8,952.82	65.48	137.736		
8,800.00	6,969.40	4,400.00	4,149.23	63.14	39.00	53.15	-2,639.28	-5,818.35	9,104.61	9,038.49	66.13	137.687		
8,900.00	6,970.43	4,400.00	4,149.23	65.60	39.00	53.15	-2,639.28	-5,818.35	9,191.21	9,124.43	66.78	137.630		
9,000.00	6,971.46	4,400.00	4,149.23	68.10	39.00	53.15	-2,639.28	-5,818.35	9,278.08	9,210.64	67.44	137.570		
9,100.00	6,972.49	4,372.25	4,123.95	70.63	38.68	52.82	-2,628.53	-5,814.38	9,365.12	9,297.32	67.80	138.131		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SOUTH #6-24D - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
9,200.00	6,973.52	4,365.70	4,117.98	73.18	38.61	52.74	-2,626.00	-5,813.45	9,452.46	9,384.07	68.39	138.216	
9,300.00	6,974.55	4,359.21	4,112.06	75.75	38.54	52.66	-2,623.50	-5,812.54	9,540.04	9,471.06	68.98	138.302	
9,400.00	6,975.58	4,352.77	4,106.19	78.34	38.47	52.59	-2,621.02	-5,811.63	9,627.86	9,558.29	69.57	138.391	
9,500.00	6,976.61	4,346.39	4,100.37	80.94	38.39	52.51	-2,618.56	-5,810.74	9,715.89	9,645.74	70.16	138.485	
9,600.00	6,977.64	4,340.07	4,094.60	83.56	38.32	52.44	-2,616.13	-5,809.86	9,804.15	9,733.41	70.74	138.585	
9,700.00	6,978.68	4,333.80	4,088.88	86.20	38.25	52.36	-2,613.72	-5,808.99	9,892.63	9,821.30	71.33	138.692	
9,800.00	6,979.71	4,327.58	4,083.20	88.85	38.18	52.29	-2,611.34	-5,808.13	9,981.31	9,909.40	71.91	138.806	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	24.25	2,196.39	989.53	2,409.07					
100.00	100.00	79.38	79.38	3.28	3.28	24.25	2,196.41	989.60	2,409.05	2,402.48	6.57	366.724		
200.00	200.00	179.76	179.76	3.34	3.33	24.26	2,196.45	989.79	2,409.17	2,402.50	6.66	361.534		
300.00	299.98	278.68	278.68	3.45	3.42	27.19	2,196.51	989.92	2,407.72	2,400.85	6.87	350.551		
400.00	399.84	377.20	377.20	3.61	3.57	27.29	2,196.66	989.97	2,403.23	2,396.06	7.17	335.009		
500.00	499.45	475.71	475.71	3.82	3.75	27.45	2,196.95	989.85	2,395.70	2,388.13	7.57	316.572		
600.00	598.70	572.19	572.19	4.07	3.97	27.67	2,197.34	989.67	2,385.17	2,377.13	8.03	296.897		
680.00	677.76	651.95	651.95	4.29	4.17	27.90	2,197.78	989.41	2,374.61	2,366.14	8.46	280.653		
700.00	697.48	672.32	672.31	4.35	4.23	27.93	2,197.89	989.32	2,371.71	2,363.13	8.58	276.541		
800.00	796.08	774.92	774.92	4.66	4.52	28.11	2,198.38	988.81	2,357.16	2,347.99	9.17	257.022		
900.00	894.68	873.49	873.48	4.98	4.82	28.29	2,198.76	988.25	2,342.53	2,332.73	9.80	239.053		
1,000.00	993.28	970.42	970.41	5.34	5.13	28.46	2,199.14	987.85	2,327.98	2,317.53	10.46	222.583		
1,100.00	1,091.88	1,189.30	1,189.19	5.71	5.88	28.96	2,194.14	988.10	2,311.77	2,300.21	11.56	199.995		
1,200.00	1,190.48	1,446.05	1,444.65	6.10	6.97	29.75	2,169.04	986.80	2,287.32	2,274.47	12.85	178.016		
1,300.00	1,289.07	1,710.00	1,704.68	6.49	8.35	30.85	2,124.34	986.07	2,258.12	2,243.90	14.22	158.809		
1,400.00	1,387.67	1,859.14	1,849.67	6.90	9.29	31.66	2,089.42	987.19	2,223.45	2,208.23	15.22	146.050		
1,500.00	1,486.27	1,967.93	1,954.92	7.31	10.00	32.32	2,061.96	988.68	2,187.81	2,171.70	16.11	135.835		
1,600.00	1,584.87	2,121.87	2,102.96	7.73	11.04	33.36	2,019.87	991.42	2,150.86	2,133.67	17.19	125.157		
1,700.00	1,683.47	2,255.98	2,231.02	8.16	11.99	34.33	1,980.07	992.75	2,111.86	2,093.66	18.20	116.042		
1,800.00	1,782.07	2,459.84	2,422.64	8.59	13.61	35.98	1,910.67	992.36	2,068.20	2,048.72	19.48	106.164		
1,900.00	1,880.67	2,652.97	2,600.89	9.02	15.35	37.84	1,836.44	992.52	2,023.09	2,002.31	20.78	97.371		
2,000.00	1,979.27	2,777.90	2,713.16	9.46	16.63	39.27	1,781.64	992.72	1,973.01	1,951.11	21.90	90.090		
2,100.00	2,077.87	2,829.16	2,759.30	9.90	17.14	39.87	1,759.31	992.44	1,923.70	1,900.94	22.77	84.492		
2,200.00	2,176.47	2,869.73	2,796.26	10.35	17.52	40.34	1,742.59	992.26	1,876.61	1,853.00	23.62	79.465		
2,300.00	2,275.07	2,979.79	2,897.26	10.79	18.52	41.64	1,698.87	991.83	1,831.46	1,806.75	24.71	74.124		
2,400.00	2,373.67	3,067.91	2,977.23	11.24	19.34	42.77	1,661.87	991.21	1,784.66	1,758.89	25.77	69.263		
2,500.00	2,472.27	3,133.19	3,036.67	11.69	19.94	43.63	1,634.88	990.75	1,738.95	1,712.18	26.77	64.955		
2,600.00	2,570.87	3,200.00	3,098.11	12.14	20.52	44.50	1,608.66	989.74	1,694.94	1,667.14	27.79	60.985		
2,700.00	2,669.47	3,294.25	3,185.02	12.59	21.30	45.76	1,572.27	987.77	1,651.74	1,622.85	28.89	57.181		
2,800.00	2,768.07	3,383.94	3,267.55	13.04	22.06	47.00	1,537.21	985.40	1,608.50	1,578.51	29.99	53.634		
2,900.00	2,866.67	3,446.64	3,325.42	13.50	22.56	47.89	1,513.15	983.48	1,566.25	1,535.20	31.05	50.442		
3,000.00	2,965.27	3,506.37	3,380.94	13.95	23.04	48.76	1,491.18	982.11	1,526.14	1,494.02	32.12	47.510		
3,100.00	3,063.87	3,586.68	3,455.74	14.41	23.65	49.98	1,461.97	980.99	1,487.59	1,454.33	33.26	44.723		
3,200.00	3,162.47	3,669.47	3,532.78	14.87	24.28	51.31	1,431.68	980.42	1,450.10	1,415.66	34.44	42.101		
3,300.00	3,261.07	3,756.22	3,613.45	15.32	24.95	52.78	1,399.75	980.12	1,413.58	1,377.91	35.67	39.626		
3,400.00	3,359.67	3,848.81	3,699.09	15.78	25.68	54.48	1,364.59	980.60	1,377.84	1,340.87	36.97	37.268		
3,500.00	3,458.27	3,942.50	3,785.37	16.24	26.45	56.31	1,328.05	981.08	1,342.60	1,304.27	38.33	35.027		
3,600.00	3,556.87	4,038.37	3,873.06	16.70	27.27	58.33	1,289.33	982.07	1,308.16	1,268.41	39.76	32.902		
3,700.00	3,655.47	4,134.53	3,960.76	17.16	28.10	60.45	1,249.90	981.96	1,274.03	1,232.81	41.22	30.907		
3,800.00	3,754.06	4,218.98	4,038.27	17.62	28.81	62.33	1,216.38	980.66	1,241.23	1,198.58	42.65	29.104		
3,900.00	3,852.66	4,311.04	4,122.73	18.08	29.58	64.45	1,179.82	978.77	1,209.60	1,165.49	44.11	27.424		
4,000.00	3,951.26	4,392.12	4,197.11	18.54	30.26	66.39	1,147.59	976.98	1,179.51	1,133.94	45.57	25.882		
4,100.00	4,049.86	4,479.64	4,277.45	19.01	30.98	68.56	1,112.92	974.89	1,151.14	1,104.07	47.07	24.455		
4,200.00	4,148.46	4,588.55	4,376.78	19.47	31.93	71.43	1,068.42	971.67	1,123.80	1,075.12	48.68	23.086		
4,300.00	4,247.06	4,672.27	4,452.49	19.93	32.69	73.78	1,032.79	968.60	1,097.36	1,047.08	50.28	21.826		
4,400.00	4,345.66	4,752.14	4,525.02	20.39	33.40	76.06	999.48	965.49	1,073.43	1,021.58	51.85	20.703		
4,500.00	4,444.26	4,827.78	4,594.33	20.86	34.03	78.21	969.39	962.22	1,052.20	998.84	53.36	19.720		
4,600.00	4,542.86	4,897.01	4,658.34	21.32	34.58	80.16	943.13	959.71	1,034.44	979.66	54.78	18.885		
4,700.00	4,641.46	4,971.23	4,727.39	21.78	35.13	82.26	916.01	957.71	1,020.17	964.04	56.13	18.175		
4,800.00	4,740.06	5,049.85	4,800.88	22.25	35.69	84.48	888.11	956.19	1,009.17	951.74	57.43	17.572		
4,900.00	4,838.66	5,127.77	4,874.16	22.71	36.21	86.65	861.64	954.95	1,001.09	942.46	58.64	17.073		
5,000.00	4,937.26	5,201.32	4,943.98	23.18	36.67	88.61	838.54	954.53	996.45	936.74	59.71	16.688		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,035.86	5,287.52	5,026.95	23.64	37.11	90.73	815.19	954.56	994.69	933.99	60.70	16.387		
5,148.42	5,083.60	5,332.43	5,070.64	23.87	37.31	91.74	804.85	954.58	994.53	933.39	61.15	16.265		
5,200.00	5,134.46	5,381.76	5,118.87	24.11	37.52	92.79	794.49	954.52	994.69	933.08	61.60	16.146		
5,300.00	5,233.06	5,481.27	5,216.73	24.57	37.89	94.75	776.50	954.08	995.64	933.19	62.45	15.944		
5,400.00	5,331.66	5,579.02	5,313.40	25.04	38.22	96.50	761.99	953.28	997.20	933.98	63.22	15.774		
5,500.00	5,430.26	5,679.71	5,413.27	25.50	38.54	98.17	749.29	952.27	999.36	935.40	63.96	15.624		
5,600.00	5,528.86	5,782.50	5,515.44	25.97	38.85	99.77	738.09	950.79	1,001.73	937.04	64.69	15.486		
5,700.00	5,627.46	5,884.47	5,617.01	26.43	39.15	101.23	729.29	948.98	1,004.20	938.81	65.38	15.358		
5,800.00	5,726.06	5,987.49	5,719.79	26.90	39.44	102.58	722.56	946.92	1,006.72	940.66	66.07	15.238		
5,900.00	5,824.66	6,088.61	5,820.74	27.36	39.72	103.83	717.15	944.61	1,009.28	942.54	66.74	15.124		
6,000.00	5,923.26	6,190.60	5,922.62	27.83	40.00	105.02	713.03	942.16	1,011.92	944.52	67.40	15.014		
6,100.00	6,021.86	6,302.33	6,034.29	28.30	40.30	106.16	711.33	939.13	1,014.13	946.06	68.07	14.898		
6,200.00	6,120.46	6,391.17	6,123.09	28.76	40.55	106.94	712.26	937.09	1,016.43	947.71	68.72	14.791		
6,300.00	6,219.06	6,489.55	6,221.45	29.23	40.82	107.75	714.00	935.53	1,019.46	950.08	69.38	14.693		
6,405.66	6,323.24	6,594.82	6,326.69	29.72	41.11	108.66	715.05	933.58	1,022.84	952.76	70.08	14.595		
6,450.00	6,366.93	6,636.61	6,368.48	29.93	41.23	108.37	715.31	932.78	1,022.88	952.51	70.37	14.536		
6,500.00	6,415.96	6,683.30	6,415.16	30.15	41.36	107.52	716.08	932.13	1,019.56	948.88	70.68	14.425		
6,550.00	6,464.44	6,730.54	6,462.38	30.37	41.49	106.84	717.18	931.67	1,012.69	941.71	70.98	14.267		
6,600.00	6,512.08	6,777.29	6,509.13	30.58	41.62	106.11	717.87	931.13	1,002.30	931.04	71.26	14.065		
6,650.00	6,558.58	6,820.73	6,552.55	30.78	41.74	105.38	718.12	930.57	988.52	917.01	71.51	13.823		
6,700.00	6,603.65	6,860.91	6,592.73	30.97	41.86	104.65	718.17	930.18	971.61	899.88	71.73	13.545		
6,750.00	6,647.02	6,899.63	6,631.45	31.15	41.97	103.92	718.07	929.94	951.74	879.81	71.93	13.232		
6,800.00	6,688.42	6,946.20	6,678.02	31.31	42.10	103.19	718.02	929.65	928.86	856.74	72.12	12.880		
6,850.00	6,727.59	6,990.20	6,722.02	31.46	42.23	102.46	718.26	929.23	902.97	830.70	72.27	12.494		
6,900.00	6,764.29	7,031.01	6,762.82	31.60	42.35	101.73	718.70	928.70	874.34	801.95	72.39	12.078		
6,950.00	6,798.30	7,068.43	6,800.23	31.73	42.46	101.00	719.23	928.06	843.29	770.81	72.48	11.635		
7,000.00	6,829.41	7,102.28	6,834.07	31.84	42.55	100.27	719.79	927.36	810.14	737.62	72.52	11.171		
7,050.00	6,857.42	7,131.69	6,863.47	32.03	42.64	99.54	720.36	926.68	775.27	702.74	72.53	10.689		
7,100.00	6,882.16	7,157.37	6,889.14	32.36	42.72	98.81	720.90	926.03	739.09	666.59	72.50	10.194		
7,150.00	6,903.48	7,179.13	6,910.89	32.73	42.78	98.08	721.39	925.44	702.00	629.57	72.44	9.691		
7,200.00	6,921.25	7,196.87	6,928.61	33.15	42.83	97.35	721.82	924.93	664.47	592.13	72.34	9.185		
7,250.00	6,935.36	7,210.52	6,942.25	33.61	42.87	96.62	722.16	924.52	626.97	554.76	72.21	8.682		
7,300.00	6,945.72	7,219.37	6,951.09	34.11	42.90	95.89	722.39	924.27	590.05	517.99	72.06	8.188		
7,350.00	6,952.26	7,224.64	6,956.36	34.65	42.91	95.16	722.53	924.11	554.25	482.36	71.88	7.710		
7,403.14	6,955.00	7,225.86	6,957.58	35.26	42.92	94.43	722.57	924.07	518.08	446.41	71.67	7.228		
7,500.00	6,955.99	7,223.97	6,955.69	36.49	42.91	93.70	722.52	924.13	460.20	388.90	71.29	6.455		
7,600.00	6,957.03	7,222.02	6,953.74	37.93	42.90	92.97	722.46	924.19	415.93	344.85	71.08	5.852		
7,700.00	6,958.06	7,220.07	6,951.79	39.52	42.90	92.24	722.41	924.25	392.68	321.31	71.38	5.501		
7,744.00	6,958.51	7,219.21	6,950.93	40.28	42.90	91.51	722.39	924.27	390.21	318.42	71.79	5.436 CC, ES, SF		
7,800.00	6,959.09	7,218.12	6,949.84	41.25	42.89	90.78	722.36	924.30	394.21	321.71	72.50	5.437		
7,900.00	6,960.12	7,216.17	6,947.90	43.09	42.89	90.05	722.31	924.36	420.23	346.10	74.13	5.669		
8,000.00	6,961.15	7,214.23	6,945.95	45.04	42.88	89.32	722.26	924.42	466.67	391.09	75.58	6.175		
8,100.00	6,962.18	7,212.28	6,944.01	47.08	42.88	88.59	722.21	924.48	528.16	451.62	76.54	6.900		
8,200.00	6,963.21	7,210.34	6,942.07	49.20	42.87	87.86	722.16	924.53	600.10	523.02	77.08	7.785		
8,300.00	6,964.24	7,208.40	6,940.13	51.39	42.86	87.13	722.11	924.59	679.18	601.83	77.35	8.781		
8,400.00	6,965.27	7,206.46	6,938.19	53.64	42.86	86.40	722.06	924.65	763.18	685.72	77.46	9.853		
8,500.00	6,966.30	7,204.52	6,936.26	55.95	42.85	85.67	722.01	924.70	850.64	773.16	77.48	10.978		
8,600.00	6,967.33	7,202.59	6,934.32	58.30	42.85	84.94	721.96	924.76	940.60	863.13	77.47	12.142		
8,700.00	6,968.37	7,200.65	6,932.39	60.70	42.84	84.21	721.91	924.82	1,032.41	954.98	77.43	13.334		
8,800.00	6,969.40	7,198.81	6,930.55	63.14	42.84	83.48	721.87	924.87	1,125.61	1,048.22	77.38	14.546		
8,900.00	6,970.43	7,197.03	6,928.77	65.60	42.83	82.75	721.82	924.93	1,219.88	1,142.55	77.33	15.774		
9,000.00	6,971.46	7,195.28	6,927.02	68.10	42.83	82.02	721.78	924.98	1,315.00	1,237.71	77.29	17.014		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,972.49	7,193.56	6,925.30	70.63	42.82	87.77	721.74	925.03	1,410.79	1,333.55	77.24	18.264		
9,200.00	6,973.52	7,191.85	6,923.60	73.18	42.82	87.52	721.70	925.08	1,507.13	1,429.92	77.21	19.521		
9,300.00	6,974.55	7,190.17	6,921.92	75.75	42.81	87.28	721.66	925.12	1,603.91	1,526.74	77.17	20.783		
9,400.00	6,975.58	7,188.52	6,920.26	78.34	42.81	87.03	721.62	925.17	1,701.06	1,623.92	77.14	22.050		
9,500.00	6,976.61	7,186.88	6,918.63	80.94	42.80	86.79	721.58	925.22	1,798.53	1,721.40	77.12	23.321		
9,600.00	6,977.64	7,185.27	6,917.02	83.56	42.80	86.56	721.54	925.27	1,896.25	1,819.15	77.10	24.594		
9,700.00	6,978.68	7,183.68	6,915.43	86.20	42.79	86.33	721.50	925.31	1,994.20	1,917.12	77.09	25.870		
9,800.00	6,979.71	7,182.11	6,913.86	88.85	42.79	86.10	721.46	925.35	2,092.34	2,015.27	77.07	27.147		
9,900.00	6,980.74	7,180.56	6,912.31	91.51	42.78	85.87	721.43	925.40	2,190.65	2,113.59	77.07	28.425		
10,000.00	6,981.77	7,179.03	6,910.78	94.19	42.78	85.65	721.39	925.44	2,289.11	2,212.04	77.06	29.704		
10,100.00	6,982.80	7,177.52	6,909.27	96.87	42.77	85.43	721.35	925.48	2,387.69	2,310.63	77.06	30.983		
10,200.00	6,983.83	7,176.03	6,907.78	99.56	42.77	85.22	721.32	925.52	2,486.38	2,409.32	77.07	32.263		
10,300.00	6,984.86	7,174.56	6,906.31	102.27	42.77	85.00	721.29	925.57	2,585.18	2,508.11	77.07	33.542		
10,400.00	6,985.89	7,173.10	6,904.86	104.98	42.76	84.79	721.25	925.61	2,684.06	2,606.98	77.08	34.822		
10,500.00	6,986.92	7,171.67	6,903.43	107.69	42.76	84.58	721.22	925.64	2,783.02	2,705.93	77.09	36.100		
10,600.00	6,987.95	7,170.25	6,902.01	110.41	42.75	84.38	721.19	925.68	2,882.05	2,804.95	77.10	37.378		
10,700.00	6,988.99	7,168.85	6,900.61	113.14	42.75	84.18	721.15	925.72	2,981.15	2,904.03	77.12	38.656		
10,800.00	6,990.02	7,167.47	6,899.23	115.88	42.74	83.98	721.12	925.76	3,080.30	3,003.16	77.14	39.932		
10,900.00	6,991.05	7,166.11	6,897.87	118.62	42.74	83.78	721.09	925.80	3,179.51	3,102.35	77.16	41.207		
11,000.00	6,992.08	7,164.76	6,896.52	121.37	42.74	83.59	721.06	925.83	3,278.76	3,201.58	77.18	42.481		
11,100.00	6,993.11	7,163.43	6,895.19	124.12	42.73	83.39	721.03	925.87	3,378.06	3,300.85	77.21	43.753		
11,200.00	6,994.14	7,162.12	6,893.88	126.87	42.73	83.21	721.00	925.90	3,477.40	3,400.16	77.23	45.025		
11,300.00	6,995.17	7,160.82	6,892.58	129.63	42.73	83.02	720.97	925.94	3,576.77	3,499.51	77.26	46.294		
11,400.00	6,996.20	7,159.53	6,891.30	132.39	42.72	82.83	720.95	925.97	3,676.17	3,598.88	77.29	47.562		
11,500.00	6,997.23	7,158.27	6,890.03	135.16	42.72	82.65	720.92	926.01	3,775.61	3,698.29	77.32	48.829		
11,600.00	6,998.26	7,157.01	6,888.78	137.93	42.71	82.47	720.89	926.04	3,875.08	3,797.72	77.36	50.093		
11,700.00	6,999.30	7,155.77	6,887.54	140.70	42.71	82.30	720.86	926.07	3,974.57	3,897.18	77.39	51.356		
11,800.00	7,000.33	7,154.55	6,886.32	143.48	42.71	82.12	720.84	926.10	4,074.09	3,996.66	77.43	52.617		
11,900.00	7,001.36	7,153.34	6,885.11	146.26	42.70	81.95	720.81	926.13	4,173.62	4,096.16	77.47	53.876		
12,000.00	7,002.39	7,152.14	6,883.91	149.04	42.70	81.78	720.78	926.17	4,273.19	4,195.68	77.51	55.132		
12,100.00	7,003.42	7,150.96	6,882.73	151.82	42.70	81.61	720.76	926.20	4,372.76	4,295.22	77.55	56.387		
12,200.00	7,004.45	7,149.79	6,881.56	154.61	42.69	81.44	720.73	926.23	4,472.36	4,394.77	77.59	57.640		
12,300.00	7,005.48	7,148.64	6,880.41	157.40	42.69	81.28	720.71	926.26	4,571.98	4,494.34	77.64	58.890		
12,400.00	7,006.51	7,147.49	6,879.27	160.19	42.69	81.11	720.68	926.28	4,671.61	4,593.93	77.68	60.138		
12,500.00	7,007.54	7,146.37	6,878.14	162.98	42.68	80.95	720.66	926.31	4,771.26	4,693.53	77.73	61.383		
12,600.00	7,008.57	7,145.25	6,877.02	165.78	42.68	80.79	720.64	926.34	4,870.92	4,793.14	77.78	62.627		
12,700.00	7,009.61	7,144.14	6,875.92	168.58	42.68	80.64	720.61	926.37	4,970.59	4,892.76	77.83	63.867		
12,800.00	7,010.64	7,143.05	6,874.83	171.38	42.67	80.48	720.59	926.40	5,070.28	4,992.40	77.88	65.106		
12,900.00	7,011.67	7,141.97	6,873.75	174.18	42.67	80.33	720.57	926.42	5,169.98	5,092.05	77.93	66.341		
13,000.00	7,012.70	7,140.90	6,872.68	176.98	42.67	80.18	720.55	926.45	5,269.68	5,191.70	77.98	67.575		
13,100.00	7,013.73	7,139.84	6,871.62	179.78	42.66	80.03	720.52	926.48	5,369.40	5,291.37	78.04	68.805		
13,200.00	7,014.76	7,138.80	6,870.58	182.59	42.66	79.88	720.50	926.50	5,469.13	5,391.04	78.09	70.033		
13,300.00	7,015.79	7,137.76	6,869.54	185.39	42.66	79.74	720.48	926.53	5,568.87	5,490.72	78.15	71.258		
13,400.00	7,016.82	7,136.74	6,868.52	188.20	42.66	79.59	720.46	926.56	5,668.62	5,590.41	78.21	72.480		
13,500.00	7,017.85	7,135.73	6,867.51	191.01	42.65	79.45	720.44	926.58	5,768.38	5,690.11	78.27	73.700		
13,600.00	7,018.88	7,134.73	6,866.51	193.82	42.65	79.31	720.42	926.61	5,868.14	5,789.81	78.33	74.917		
13,700.00	7,019.91	7,133.74	6,865.52	196.63	42.65	79.17	720.40	926.63	5,967.92	5,889.52	78.39	76.131		
13,800.00	7,020.95	7,132.75	6,864.53	199.44	42.64	79.03	720.38	926.65	6,067.69	5,989.24	78.45	77.342		
13,900.00	7,021.98	7,131.78	6,863.56	202.26	42.64	78.90	720.36	926.68	6,167.48	6,088.96	78.52	78.550		
14,000.00	7,023.01	7,130.82	6,862.60	205.07	42.64	78.76	720.34	926.70	6,267.27	6,188.69	78.58	79.755		
14,100.00	7,024.04	7,129.87	6,861.65	207.89	42.64	78.63	720.32	926.72	6,367.07	6,288.43	78.65	80.957		
14,200.00	7,025.07	7,128.93	6,860.71	210.70	42.63	78.50	720.30	926.75	6,466.88	6,388.16	78.71	82.156		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
14,300.00	7,026.10	7,128.00	6,859.78	213.52	42.63	78.37	720.28	926.77	6,566.69	6,487.91	78.78	83.352		
14,400.00	7,027.13	7,127.08	6,858.86	216.34	42.63	78.24	720.26	926.79	6,666.51	6,587.65	78.85	84.545		
14,500.00	7,028.16	7,126.17	6,857.95	219.16	42.62	78.11	720.25	926.81	6,766.33	6,687.41	78.92	85.734		
14,600.00	7,029.19	7,125.26	6,857.05	221.98	42.62	77.99	720.23	926.83	6,866.16	6,787.16	78.99	86.921		
14,700.00	7,030.22	7,124.37	6,856.15	224.80	42.62	77.86	720.21	926.86	6,965.99	6,886.92	79.07	88.104		
14,800.00	7,031.26	7,123.48	6,855.27	227.62	42.62	77.74	720.19	926.88	7,065.82	6,986.68	79.14	89.284		
14,900.00	7,032.29	7,122.60	6,854.39	230.44	42.61	77.62	720.18	926.90	7,165.66	7,086.45	79.21	90.461		
15,000.00	7,033.32	7,121.74	6,853.52	233.26	42.61	77.50	720.16	926.92	7,265.51	7,186.22	79.29	91.635		
15,100.00	7,034.35	7,120.88	6,852.66	236.09	42.61	77.38	720.14	926.94	7,365.36	7,285.99	79.36	92.805		
15,200.00	7,035.38	7,120.03	6,851.81	238.91	42.61	77.26	720.13	926.96	7,465.21	7,385.77	79.44	93.972		
15,300.00	7,036.41	7,119.18	6,850.97	241.74	42.60	77.14	720.11	926.98	7,565.07	7,485.55	79.52	95.136		
15,400.00	7,037.44	7,118.35	6,850.13	244.56	42.60	77.03	720.09	927.00	7,664.93	7,585.33	79.60	96.296		
15,500.00	7,038.47	7,117.52	6,849.31	247.39	42.60	76.91	720.08	927.02	7,764.79	7,685.11	79.68	97.453		
15,600.00	7,039.50	7,116.70	6,848.49	250.21	42.60	76.80	720.06	927.04	7,864.66	7,784.90	79.76	98.607		
15,700.00	7,040.53	7,115.89	6,847.68	253.04	42.59	76.69	720.05	927.06	7,964.53	7,884.69	79.84	99.757		
15,800.00	7,041.57	7,115.09	6,846.87	255.87	42.59	76.58	720.03	927.07	8,064.40	7,984.48	79.92	100.904		
15,900.00	7,042.60	7,114.29	6,846.08	258.70	42.59	76.47	720.02	927.09	8,164.28	8,084.27	80.01	102.047		
16,000.00	7,043.63	7,113.50	6,845.29	261.53	42.59	76.36	720.00	927.11	8,264.16	8,184.07	80.09	103.187		
16,100.00	7,044.66	7,112.72	6,844.51	264.35	42.58	76.25	719.99	927.13	8,364.04	8,283.86	80.17	104.323		
16,200.00	7,045.69	7,110.00	6,831.79	267.18	42.55	74.52	719.75	927.41	8,463.94	8,383.72	80.22	105.510		
16,300.00	7,046.72	7,110.00	6,831.79	270.01	42.55	74.52	719.75	927.41	8,563.82	8,483.51	80.31	106.636		
16,400.00	7,047.75	7,110.00	6,831.79	272.84	42.55	74.52	719.75	927.41	8,663.71	8,583.31	80.40	107.759		
16,500.00	7,048.78	7,110.00	6,831.79	275.67	42.55	74.52	719.75	927.41	8,763.60	8,683.11	80.49	108.878		
16,600.00	7,049.81	7,110.00	6,831.79	278.51	42.55	74.52	719.75	927.41	8,863.49	8,782.91	80.58	109.993		
16,700.00	7,050.84	7,110.00	6,831.79	281.34	42.55	74.52	719.75	927.41	8,963.39	8,882.71	80.68	111.105		
16,800.00	7,051.88	7,110.00	6,831.79	284.17	42.55	74.52	719.75	927.41	9,063.29	8,982.52	80.77	112.213		
16,900.00	7,052.91	7,110.00	6,831.79	287.00	42.55	74.52	719.75	927.41	9,163.19	9,082.32	80.86	113.318		
17,000.00	7,053.94	7,110.00	6,831.79	289.83	42.55	74.52	719.75	927.41	9,263.09	9,182.13	80.96	114.418		
17,100.00	7,054.97	7,110.00	6,831.79	292.67	42.55	74.52	719.75	927.41	9,362.99	9,281.94	81.05	115.516		
17,200.00	7,056.00	7,110.00	6,831.79	295.50	42.55	74.52	719.75	927.41	9,462.90	9,381.75	81.15	116.609		
17,300.00	7,057.03	7,110.00	6,831.79	298.33	42.55	74.52	719.75	927.41	9,562.81	9,481.56	81.25	117.699		
17,400.00	7,058.06	7,110.00	6,831.79	301.17	42.55	74.52	719.75	927.41	9,662.72	9,581.37	81.35	118.786		
17,500.00	7,059.09	7,110.00	6,831.79	304.00	42.55	74.52	719.75	927.41	9,762.63	9,681.18	81.44	119.868		
17,600.00	7,060.12	7,110.00	6,831.79	306.84	42.55	74.52	719.75	927.41	9,862.54	9,781.00	81.54	120.947		
17,685.09	7,061.00	7,110.00	6,831.79	309.25	42.55	74.52	719.75	927.41	9,947.56	9,865.93	81.63	121.862		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	2,189.74	2,087.14	3.28	28.00	94.65	-417.81	5,135.60	5,578.20					
100.00	100.00	2,236.27	2,128.83	3.28	29.05	94.52	-404.95	5,119.44	5,540.24	5,518.96	21.28	260.338		
200.00	200.00	2,276.45	2,164.80	3.34	29.96	94.40	-393.18	5,105.96	5,503.17	5,481.31	21.86	251.774		
300.00	299.98	2,343.79	2,225.13	3.45	31.43	97.88	-372.85	5,084.01	5,467.14	5,444.30	22.83	239.424		
400.00	399.84	2,585.48	2,443.07	3.61	36.82	98.18	-311.07	4,999.85	5,429.99	5,404.08	25.91	209.580		
500.00	499.45	2,889.06	2,710.15	3.82	44.89	98.38	-220.83	4,887.60	5,391.02	5,360.37	30.65	175.909		
600.00	598.70	2,900.00	2,719.57	4.07	45.22	99.21	-217.15	4,883.42	5,351.10	5,320.06	31.04	172.391		
680.00	677.76	2,950.19	2,763.08	4.29	46.59	99.78	-200.67	4,864.60	5,319.93	5,287.89	32.05	166.010		
700.00	697.48	2,956.15	2,768.29	4.35	46.76	99.77	-198.77	4,862.42	5,312.34	5,280.15	32.19	165.027		
800.00	796.08	3,000.00	2,806.89	4.66	47.96	99.39	-185.17	4,846.68	5,275.12	5,241.94	33.18	159.007		
900.00	894.68	3,000.00	2,806.89	4.98	47.96	99.71	-185.17	4,846.68	5,238.97	5,205.50	33.48	156.498		
1,000.00	993.28	3,061.83	2,861.94	5.34	49.40	99.64	-166.88	4,825.28	5,203.65	5,168.98	34.67	150.085		
1,100.00	1,091.88	3,200.00	2,985.80	5.71	52.56	99.49	-127.51	4,778.38	5,169.28	5,132.37	36.91	140.059		
1,200.00	1,190.48	3,263.05	3,042.23	6.10	54.00	99.43	-109.88	4,756.48	5,133.98	5,095.86	38.12	134.684		
1,300.00	1,289.07	3,300.00	3,075.50	6.49	54.84	99.39	-100.05	4,743.76	5,099.40	5,060.40	39.01	130.735		
1,400.00	1,387.67	3,340.50	3,112.24	6.90	55.63	99.36	-89.76	4,730.17	5,065.84	5,025.97	39.87	127.059		
1,500.00	1,486.27	3,400.00	3,166.86	7.31	56.80	99.33	-75.65	4,711.27	5,033.79	4,992.84	40.95	122.930		
1,600.00	1,584.87	3,402.72	3,169.37	7.73	56.85	99.33	-75.03	4,710.43	5,002.41	4,960.99	41.42	120.770		
1,700.00	1,683.47	3,538.49	3,294.31	8.16	59.29	99.26	-42.99	4,668.05	4,971.17	4,927.91	43.25	114.929		
1,800.00	1,782.07	3,600.00	3,350.74	8.59	60.41	99.21	-27.62	4,648.99	4,940.11	4,895.73	44.38	111.318		
1,900.00	1,880.67	3,665.92	3,411.45	9.02	61.55	99.17	-11.63	4,628.89	4,909.65	4,864.14	45.51	107.876		
2,000.00	1,979.27	3,700.00	3,443.03	9.46	62.14	99.16	-3.97	4,618.63	4,880.03	4,833.70	46.33	105.335		
2,100.00	2,077.87	4,278.71	3,969.86	9.90	73.97	98.79	135.14	4,426.88	4,849.00	4,795.94	53.06	91.388		
2,200.00	2,176.47	4,300.00	3,988.41	10.35	74.57	98.75	142.03	4,419.01	4,811.32	4,757.35	53.97	89.151		
2,300.00	2,275.07	4,346.32	4,029.02	10.79	75.72	98.67	156.89	4,402.39	4,774.64	4,719.39	55.24	86.432		
2,400.00	2,373.67	4,400.00	4,076.71	11.24	77.06	98.59	173.52	4,384.24	4,739.56	4,682.93	56.63	83.694		
2,500.00	2,472.27	4,400.00	4,076.71	11.69	77.06	98.59	173.52	4,384.24	4,705.34	4,648.14	57.20	82.258		
2,600.00	2,570.87	4,442.82	4,115.20	12.14	77.92	98.53	186.24	4,370.45	4,672.53	4,614.22	58.32	80.124		
2,700.00	2,669.47	4,500.00	4,167.15	12.59	79.08	98.46	202.28	4,352.75	4,640.96	4,581.36	59.61	77.857		
2,800.00	2,768.07	4,608.50	4,265.97	13.04	81.14	98.33	232.16	4,319.35	4,609.90	4,548.44	61.46	75.006		
2,900.00	2,866.67	4,687.91	4,338.19	13.50	82.68	98.23	253.96	4,294.59	4,578.38	4,515.40	62.99	72.687		
3,000.00	2,965.27	4,847.03	4,482.84	13.95	85.86	98.06	296.20	4,243.47	4,545.89	4,480.46	65.43	69.476		
3,100.00	3,063.87	5,182.70	4,783.20	14.41	93.70	97.63	389.60	4,126.49	4,510.77	4,440.41	70.37	64.103		
3,200.00	3,162.47	5,321.40	4,905.21	14.87	97.45	97.43	429.46	4,073.93	4,472.37	4,399.36	73.00	61.262		
3,300.00	3,261.07	5,388.39	4,964.37	15.32	99.25	97.34	447.74	4,048.38	4,433.99	4,359.39	74.60	59.433		
3,400.00	3,359.67	5,484.21	5,049.41	15.78	101.76	97.23	472.71	4,011.96	4,395.91	4,319.40	76.51	57.458		
3,500.00	3,458.27	5,631.73	5,180.43	16.24	105.63	97.11	507.97	3,954.08	4,356.63	4,277.79	78.84	55.259		
3,600.00	3,556.87	5,681.53	5,225.06	16.70	106.89	97.09	518.15	3,934.48	4,317.75	4,237.71	80.04	53.947		
3,700.00	3,655.47	5,700.00	5,241.71	17.16	107.36	97.09	521.67	3,927.30	4,279.99	4,199.03	80.95	52.872		
3,800.00	3,754.06	5,761.06	5,297.15	17.62	108.68	97.09	532.70	3,904.22	4,243.09	4,161.00	82.09	51.689		
3,900.00	3,852.66	6,000.00	5,513.32	18.08	114.29	97.09	575.87	3,812.20	4,205.07	4,120.60	84.47	49.781		
4,000.00	3,951.26	6,048.88	5,557.11	18.54	115.44	97.09	584.72	3,792.37	4,165.66	4,080.10	85.56	48.688		
4,100.00	4,049.86	6,100.00	5,603.82	19.01	116.64	97.12	592.50	3,773.11	4,128.36	4,041.73	86.63	47.657		
4,200.00	4,148.46	6,100.00	5,603.82	19.47	116.64	97.12	592.50	3,773.11	4,091.95	4,004.55	87.40	46.819		
4,300.00	4,247.06	6,100.00	5,603.82	19.93	116.64	97.12	592.50	3,773.11	4,057.68	3,969.54	88.14	46.036		
4,400.00	4,345.66	6,142.62	5,643.42	20.39	117.30	97.15	598.00	3,758.35	4,024.64	3,935.68	88.96	45.240		
4,500.00	4,444.26	6,200.00	5,697.61	20.86	118.19	97.21	604.28	3,740.59	3,994.17	3,904.38	89.79	44.484		
4,600.00	4,542.86	6,200.00	5,697.61	21.32	118.19	97.21	604.28	3,740.59	3,964.24	3,873.77	90.46	43.822		
4,700.00	4,641.46	6,200.00	5,697.61	21.78	118.19	97.21	604.28	3,740.59	3,936.61	3,845.52	91.09	43.215		
4,800.00	4,740.06	6,238.55	5,734.52	22.25	118.54	97.27	607.49	3,729.94	3,910.66	3,818.96	91.69	42.650		
4,900.00	4,838.66	6,264.93	5,759.96	22.71	118.78	97.32	609.00	3,723.17	3,886.52	3,794.27	92.25	42.130		
5,000.00	4,937.26	6,300.00	5,794.01	23.18	119.10	97.40	610.15	3,714.85	3,864.20	3,771.43	92.77	41.655		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,035.86	6,300.00	5,794.01	23.64	119.10	97.40	610.15	3,714.85	3,843.77	3,750.51	93.25	41.219		
5,200.00	5,134.46	6,346.04	5,839.00	24.11	119.32	97.51	610.68	3,705.10	3,824.86	3,731.25	93.62	40.857		
5,300.00	5,233.06	6,400.00	5,892.08	24.57	119.59	97.66	610.43	3,695.38	3,808.27	3,714.34	93.93	40.542		
5,400.00	5,331.66	6,400.00	5,892.08	25.04	119.59	97.66	610.43	3,695.38	3,792.90	3,698.59	94.30	40.221		
5,500.00	5,430.26	6,433.85	5,925.52	25.50	119.68	97.76	610.04	3,690.16	3,779.65	3,685.07	94.58	39.963		
5,600.00	5,528.86	6,466.28	5,957.65	25.97	119.77	97.85	609.76	3,685.73	3,768.17	3,673.34	94.83	39.736		
5,700.00	5,627.46	6,500.00	5,991.12	26.43	119.86	97.94	609.57	3,681.73	3,758.47	3,663.42	95.05	39.541		
5,800.00	5,726.06	6,500.00	5,991.12	26.90	119.86	97.94	609.57	3,681.73	3,750.96	3,655.73	95.23	39.389		
5,900.00	5,824.66	6,551.42	6,042.33	27.36	119.94	98.08	609.68	3,677.08	3,744.78	3,649.37	95.41	39.248		
6,000.00	5,923.26	6,600.00	6,090.84	27.83	120.02	98.19	610.35	3,674.52	3,741.14	3,645.54	95.59	39.136		
6,100.00	6,021.86	6,600.00	6,090.84	28.30	120.02	98.19	610.35	3,674.52	3,738.99	3,643.35	95.64	39.096		
6,191.07	6,111.65	6,661.24	6,152.04	28.72	120.08	98.34	611.37	3,672.76	3,738.49	3,642.68	95.81	39.021		
6,200.00	6,120.46	6,666.35	6,157.15	28.76	120.09	98.35	611.44	3,672.64	3,738.49	3,642.67	95.82	39.015		
6,300.00	6,219.06	6,738.92	6,229.70	29.23	120.16	98.52	612.23	3,671.40	3,739.09	3,643.08	96.01	38.944		
6,405.66	6,323.24	6,844.81	6,335.58	29.72	120.27	98.78	613.27	3,669.81	3,740.07	3,643.77	96.30	38.838		
6,450.00	6,366.93	6,893.20	6,383.96	29.93	120.31	76.23	613.68	3,669.01	3,738.91	3,642.48	96.43	38.775		
6,500.00	6,415.96	6,947.78	6,438.53	30.15	120.37	57.03	614.13	3,668.03	3,733.88	3,637.33	96.56	38.670		
6,550.00	6,464.44	7,001.73	6,492.46	30.37	120.43	44.89	614.68	3,667.00	3,724.95	3,628.27	96.67	38.531		
6,600.00	6,512.08	7,047.08	6,537.80	30.58	120.47	37.31	615.25	3,666.12	3,712.21	3,615.46	96.75	38.369		
6,650.00	6,558.58	7,091.57	6,582.28	30.78	120.52	32.44	615.97	3,665.29	3,695.79	3,598.98	96.81	38.175		
6,700.00	6,603.65	7,144.22	6,634.92	30.97	120.58	29.26	617.00	3,664.31	3,675.75	3,578.86	96.89	37.936		
6,750.00	6,647.02	7,196.96	6,687.62	31.15	120.63	27.17	618.23	3,663.21	3,652.13	3,555.17	96.96	37.665		
6,800.00	6,688.42	7,241.98	6,732.62	31.31	120.68	25.84	619.33	3,662.19	3,625.11	3,528.11	96.99	37.374		
6,850.00	6,727.59	7,284.04	6,774.66	31.46	120.73	25.10	620.28	3,661.18	3,594.90	3,497.90	97.00	37.061		
6,900.00	6,764.29	7,319.76	6,810.36	31.60	120.77	24.85	621.02	3,660.30	3,561.71	3,464.74	96.97	36.730		
6,950.00	6,798.30	7,350.54	6,841.12	31.73	120.81	25.06	621.64	3,659.55	3,525.79	3,428.88	96.91	36.382		
7,000.00	6,829.41	7,378.61	6,869.18	31.84	120.84	25.75	622.19	3,658.89	3,487.36	3,390.52	96.83	36.015		
7,050.00	6,857.42	7,403.79	6,894.35	32.03	120.87	27.00	622.68	3,658.31	3,446.65	3,349.91	96.73	35.630		
7,100.00	6,882.16	7,423.75	6,914.30	32.36	120.89	28.91	623.05	3,657.86	3,403.91	3,307.30	96.61	35.233		
7,150.00	6,903.48	7,441.12	6,931.66	32.73	120.91	31.78	623.34	3,657.49	3,359.41	3,262.94	96.47	34.822		
7,200.00	6,921.25	7,455.48	6,946.02	33.15	120.92	36.03	623.57	3,657.19	3,313.41	3,217.08	96.32	34.399		
7,250.00	6,935.36	7,466.72	6,957.26	33.61	120.94	42.50	623.74	3,656.96	3,266.17	3,170.01	96.16	33.966		
7,300.00	6,945.72	7,474.77	6,965.30	34.11	120.95	52.64	623.85	3,656.80	3,217.99	3,122.00	95.99	33.524		
7,350.00	6,952.26	7,479.56	6,970.09	34.65	120.95	68.78	623.92	3,656.70	3,169.16	3,073.35	95.81	33.076		
7,403.14	6,955.00	7,481.03	6,971.56	35.26	120.95	93.80	623.94	3,656.67	3,116.87	3,021.25	95.62	32.595		
7,500.00	6,955.99	7,480.27	6,970.80	36.49	120.95	93.72	623.93	3,656.69	3,021.44	2,926.18	95.27	31.716		
7,600.00	6,957.03	7,479.49	6,970.02	37.93	120.95	93.63	623.92	3,656.70	2,923.02	2,828.14	94.89	30.806		
7,700.00	6,958.06	7,478.70	6,969.23	39.52	120.95	93.55	623.91	3,656.72	2,824.72	2,730.22	94.49	29.894		
7,800.00	6,959.09	7,477.91	6,968.44	41.25	120.95	93.46	623.90	3,656.74	2,726.53	2,632.45	94.08	28.980		
7,900.00	6,960.12	7,477.11	6,967.64	43.09	120.95	93.37	623.88	3,656.75	2,628.48	2,534.82	93.66	28.063		
8,000.00	6,961.15	7,476.31	6,966.84	45.04	120.95	93.29	623.87	3,656.77	2,530.59	2,437.36	93.23	27.145		
8,100.00	6,962.18	7,475.49	6,966.03	47.08	120.95	93.20	623.86	3,656.78	2,432.86	2,340.08	92.78	26.223		
8,200.00	6,963.21	7,474.68	6,965.21	49.20	120.95	93.11	623.85	3,656.80	2,335.33	2,243.01	92.32	25.297		
8,300.00	6,964.24	7,473.85	6,964.39	51.39	120.94	93.02	623.84	3,656.82	2,238.01	2,146.17	91.84	24.368		
8,400.00	6,965.27	7,473.03	6,963.56	53.64	120.94	92.93	623.83	3,656.83	2,140.94	2,049.58	91.36	23.434		
8,500.00	6,966.30	7,472.19	6,962.72	55.95	120.94	92.84	623.82	3,656.85	2,044.16	1,953.29	90.87	22.495		
8,600.00	6,967.33	7,471.35	6,961.88	58.30	120.94	92.75	623.80	3,656.87	1,947.69	1,857.31	90.38	21.550		
8,700.00	6,968.37	7,470.50	6,961.04	60.70	120.94	92.66	623.79	3,656.88	1,851.61	1,761.71	89.89	20.598		
8,800.00	6,969.40	7,469.65	6,960.18	63.14	120.94	92.56	623.78	3,656.90	1,755.95	1,666.54	89.42	19.638		
8,900.00	6,970.43	7,468.79	6,959.33	65.60	120.94	92.47	623.77	3,656.92	1,660.82	1,571.85	88.97	18.668		
9,000.00	6,971.46	7,467.93	6,958.46	68.10	120.94	92.37	623.76	3,656.93	1,566.28	1,477.72	88.56	17.685		
9,100.00	6,972.49	7,467.05	6,957.59	70.63	120.94	92.28	623.74	3,656.95	1,472.47	1,384.24	88.23	16.688		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,200.00	6,973.52	7,466.17	6,956.71	73.18	120.94	92.18	623.73	3,656.97	1,379.53	1,291.51	88.02	15.673		
9,300.00	6,974.55	7,465.29	6,955.82	75.75	120.94	92.09	623.72	3,656.99	1,287.64	1,199.66	87.98	14.635		
9,400.00	6,975.58	7,464.40	6,954.93	78.34	120.93	91.99	623.70	3,657.00	1,197.06	1,108.82	88.24	13.566		
9,500.00	6,976.61	7,463.50	6,954.03	80.94	120.93	91.89	623.69	3,657.02	1,108.09	1,019.14	88.95	12.457		
9,600.00	6,977.64	7,462.59	6,953.13	83.56	120.93	91.79	623.68	3,657.04	1,021.17	930.75	90.42	11.294		
9,700.00	6,978.68	7,461.68	6,952.21	86.20	120.93	91.69	623.66	3,657.06	936.86	843.74	93.12	10.061		
9,800.00	6,979.71	7,460.76	6,951.30	88.85	120.93	91.59	623.65	3,657.08	855.93	758.14	97.80	8.752		
9,900.00	6,980.74	7,459.83	6,950.37	91.51	120.93	91.49	623.64	3,657.10	779.45	674.00	105.45	7.392		
10,000.00	6,981.77	7,458.90	6,949.44	94.19	120.93	91.39	623.62	3,657.12	708.84	591.84	116.99	6.059		
10,100.00	6,982.80	7,457.96	6,948.49	96.87	120.93	91.29	623.61	3,657.14	646.03	513.24	132.79	4.865		
10,200.00	6,983.83	7,457.01	6,947.55	99.56	120.93	91.19	623.59	3,657.16	593.52	441.29	152.23	3.899		
10,300.00	6,984.86	7,456.05	6,946.59	102.27	120.92	91.08	623.58	3,657.17	554.23	380.69	173.55	3.194		
10,400.00	6,985.89	7,455.09	6,945.63	104.98	120.92	90.98	623.56	3,657.19	531.11	337.31	193.81	2.740		
10,475.49	6,986.67	7,454.36	6,944.90	107.03	120.92	90.90	623.55	3,657.21	525.72	319.37	206.36	2.548 CC		
10,500.00	6,986.92	7,454.12	6,944.66	107.69	120.92	90.87	623.55	3,657.21	526.29	316.60	209.69	2.510 ES		
10,600.00	6,987.95	7,453.14	6,943.68	110.41	120.92	90.76	623.53	3,657.23	540.26	321.30	218.97	2.467 SF		
10,700.00	6,988.99	7,452.15	6,942.69	113.14	120.92	90.66	623.52	3,657.26	571.65	350.10	221.55	2.580		
10,800.00	6,990.02	7,451.16	6,941.70	115.88	120.92	90.55	623.50	3,657.28	617.80	398.75	219.06	2.820		
10,900.00	6,991.05	7,450.16	6,940.70	118.62	120.92	90.44	623.49	3,657.30	675.71	462.15	213.55	3.164		
11,000.00	6,992.08	7,449.15	6,939.69	121.37	120.92	90.33	623.47	3,657.32	742.61	535.91	206.70	3.593		
11,100.00	6,993.11	7,448.13	6,938.67	124.12	120.92	90.22	623.46	3,657.34	816.31	616.75	199.56	4.091		
11,200.00	6,994.14	7,447.10	6,937.64	126.87	120.91	90.11	623.44	3,657.36	895.13	702.43	192.70	4.645		
11,300.00	6,995.17	7,446.07	6,936.61	129.63	120.91	89.99	623.42	3,657.38	977.82	791.46	186.37	5.247		
11,400.00	6,996.20	7,445.02	6,935.56	132.39	120.91	89.88	623.41	3,657.40	1,063.50	882.85	180.65	5.887		
11,500.00	6,997.23	7,443.97	6,934.51	135.16	120.91	89.76	623.39	3,657.43	1,151.48	975.94	175.54	6.560		
11,600.00	6,998.26	7,442.91	6,933.45	137.93	120.91	89.65	623.37	3,657.45	1,241.28	1,070.29	171.00	7.259		
11,700.00	6,999.30	7,441.84	6,932.38	140.70	120.91	89.53	623.36	3,657.47	1,332.54	1,165.58	166.96	7.981		
11,800.00	7,000.33	7,440.76	6,931.31	143.48	120.91	89.42	623.34	3,657.49	1,424.97	1,261.60	163.37	8.722		
11,900.00	7,001.36	7,439.68	6,930.22	146.26	120.91	89.30	623.32	3,657.52	1,518.36	1,358.18	160.18	9.479		
12,000.00	7,002.39	7,438.58	6,929.12	149.04	120.91	89.18	623.30	3,657.54	1,612.54	1,455.21	157.32	10.250		
12,100.00	7,003.42	7,437.47	6,928.02	151.82	120.90	89.06	623.28	3,657.56	1,707.38	1,552.61	154.77	11.032		
12,200.00	7,004.45	7,436.36	6,926.90	154.61	120.90	88.94	623.26	3,657.59	1,802.78	1,650.31	152.47	11.824		
12,300.00	7,005.48	7,435.23	6,925.78	157.40	120.90	88.81	623.25	3,657.61	1,898.65	1,748.26	150.40	12.624		
12,400.00	7,006.51	7,434.10	6,924.65	160.19	120.90	88.69	623.23	3,657.64	1,994.93	1,846.41	148.52	13.432		
12,500.00	7,007.54	7,432.96	6,923.50	162.98	120.90	88.57	623.21	3,657.66	2,091.56	1,944.74	146.82	14.246		
12,600.00	7,008.57	7,431.80	6,922.35	165.78	120.90	88.44	623.19	3,657.69	2,188.48	2,043.21	145.27	15.065		
12,700.00	7,009.61	7,430.64	6,921.19	168.58	120.90	88.31	623.17	3,657.71	2,285.68	2,141.82	143.86	15.888		
12,800.00	7,010.64	7,429.47	6,920.01	171.38	120.90	88.19	623.15	3,657.74	2,383.10	2,240.53	142.57	16.716		
12,900.00	7,011.67	7,428.28	6,918.83	174.18	120.89	88.06	623.13	3,657.76	2,480.73	2,339.35	141.38	17.547		
13,000.00	7,012.70	7,427.09	6,917.64	176.98	120.89	87.93	623.11	3,657.79	2,578.54	2,438.25	140.29	18.380		
13,100.00	7,013.73	7,425.88	6,916.43	179.78	120.89	87.80	623.09	3,657.81	2,676.51	2,537.23	139.28	19.216		
13,200.00	7,014.76	7,424.67	6,915.22	182.59	120.89	87.66	623.06	3,657.84	2,774.62	2,636.27	138.36	20.054		
13,300.00	7,015.79	7,423.44	6,913.99	185.39	120.89	87.53	623.04	3,657.87	2,872.87	2,735.37	137.50	20.894		
13,400.00	7,016.82	7,422.21	6,912.76	188.20	120.89	87.40	623.02	3,657.89	2,971.23	2,834.53	136.70	21.735		
13,500.00	7,017.85	7,420.96	6,911.51	191.01	120.89	87.26	623.00	3,657.92	3,069.70	2,933.73	135.96	22.577		
13,600.00	7,018.88	7,419.70	6,910.25	193.82	120.88	87.13	622.98	3,657.95	3,168.26	3,032.98	135.28	23.420		
13,700.00	7,019.91	7,418.43	6,908.98	196.63	120.88	86.99	622.95	3,657.98	3,266.91	3,132.27	134.64	24.264		
13,800.00	7,020.95	7,417.15	6,907.70	199.44	120.88	86.85	622.93	3,658.01	3,365.64	3,231.60	134.04	25.109		
13,900.00	7,021.98	7,415.85	6,906.41	202.26	120.88	86.71	622.91	3,658.03	3,464.44	3,330.95	133.49	25.953		
14,000.00	7,023.01	7,414.55	6,905.10	205.07	120.88	86.57	622.88	3,658.06	3,563.31	3,430.34	132.97	26.798		
14,100.00	7,024.04	7,413.23	6,903.79	207.89	120.88	86.42	622.86	3,658.09	3,662.24	3,529.76	132.48	27.644		
14,200.00	7,025.07	7,411.90	6,902.46	210.70	120.88	86.28	622.83	3,658.12	3,761.22	3,629.20	132.03	28.489		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
14,300.00	7,026.10	7,410.56	6,901.12	213.52	120.87	86.14	622.81	3,658.15	3,860.26	3,728.66	131.60	29.333		
14,400.00	7,027.13	7,409.21	6,899.76	216.34	120.87	85.99	622.78	3,658.18	3,959.34	3,828.14	131.20	30.178		
14,500.00	7,028.16	7,407.84	6,898.40	219.16	120.87	85.84	622.76	3,658.21	4,058.47	3,927.65	130.82	31.022		
14,600.00	7,029.19	7,406.46	6,897.02	221.98	120.87	85.69	622.73	3,658.25	4,157.64	4,027.17	130.47	31.866		
14,700.00	7,030.22	7,405.07	6,895.63	224.80	120.87	85.54	622.71	3,658.28	4,256.85	4,126.71	130.14	32.710		
14,800.00	7,031.26	7,403.66	6,894.22	227.62	120.87	85.39	622.68	3,658.31	4,356.10	4,226.27	129.83	33.552		
14,900.00	7,032.29	7,402.24	6,892.80	230.44	120.86	85.24	622.65	3,658.34	4,455.38	4,325.84	129.54	34.394		
15,000.00	7,033.32	7,400.81	6,891.37	233.26	120.86	85.08	622.62	3,658.37	4,554.69	4,425.42	129.26	35.236		
15,100.00	7,034.35	7,399.41	6,889.97	236.09	120.86	84.93	622.60	3,658.41	4,654.02	4,525.02	129.00	36.076		
15,200.00	7,035.38	7,398.04	6,888.61	238.91	120.86	84.78	622.57	3,658.44	4,753.39	4,624.63	128.76	36.916		
15,300.00	7,036.41	7,396.68	6,887.24	241.74	120.86	84.64	622.54	3,658.47	4,852.78	4,724.25	128.53	37.755		
15,400.00	7,037.44	7,395.30	6,885.87	244.56	120.86	84.49	622.52	3,658.50	4,952.20	4,823.88	128.32	38.593		
15,500.00	7,038.47	7,393.93	6,884.49	247.39	120.86	84.34	622.49	3,658.53	5,051.64	4,923.52	128.12	39.430		
15,600.00	7,039.50	7,392.54	6,883.10	250.21	120.85	84.19	622.46	3,658.56	5,151.10	5,023.17	127.93	40.266		
15,700.00	7,040.53	7,391.15	6,881.71	253.04	120.85	84.04	622.44	3,658.60	5,250.58	5,122.83	127.75	41.101		
15,800.00	7,041.57	7,389.75	6,880.31	255.87	120.85	83.89	622.41	3,658.63	5,350.08	5,222.50	127.58	41.935		
15,900.00	7,042.60	7,388.34	6,878.91	258.70	120.85	83.74	622.38	3,658.66	5,449.59	5,322.17	127.42	42.768		
16,000.00	7,043.63	7,386.93	6,877.50	261.53	120.85	83.59	622.35	3,658.69	5,549.13	5,421.85	127.28	43.599		
16,100.00	7,044.66	7,385.51	6,876.08	264.35	120.85	83.44	622.33	3,658.73	5,648.68	5,521.54	127.14	44.430		
16,200.00	7,045.69	7,384.09	6,874.65	267.18	120.84	83.29	622.30	3,658.76	5,748.24	5,621.24	127.01	45.259		
16,300.00	7,046.72	5,315.93	4,900.39	270.01	97.30	19.61	427.92	4,076.02	5,845.60	5,722.85	122.75	47.623		
16,400.00	7,047.75	5,284.52	4,872.80	272.84	96.45	19.59	418.99	4,088.07	5,938.48	5,815.97	122.51	48.475		
16,500.00	7,048.78	5,262.45	4,853.40	275.67	95.85	19.58	412.67	4,096.49	6,031.44	5,909.12	122.31	49.311		
16,600.00	7,049.81	5,240.65	4,834.23	278.51	95.26	19.57	406.39	4,104.75	6,124.49	6,002.37	122.12	50.150		
16,700.00	7,050.84	5,219.11	4,815.27	281.34	94.67	19.56	400.17	4,112.87	6,217.63	6,095.69	121.94	50.990		
16,800.00	7,051.88	5,200.00	4,798.45	284.17	94.15	19.55	394.62	4,120.03	6,310.86	6,189.09	121.77	51.827		
16,900.00	7,052.91	5,175.51	4,776.86	287.00	93.52	19.54	387.52	4,129.16	6,404.17	6,282.59	121.58	52.674		
17,000.00	7,053.94	5,153.55	4,757.48	289.83	92.94	19.53	381.17	4,137.30	6,497.55	6,376.15	121.41	53.518		
17,100.00	7,054.97	5,131.84	4,738.29	292.67	92.38	19.51	374.93	4,145.30	6,591.02	6,469.78	121.24	54.364		
17,200.00	7,056.00	5,100.00	4,710.09	295.50	91.55	19.50	365.82	4,156.96	6,684.57	6,563.55	121.01	55.238		
17,300.00	7,057.03	5,100.00	4,710.09	298.33	91.55	19.50	365.82	4,156.96	6,778.18	6,657.22	120.96	56.037		
17,400.00	7,058.06	5,073.00	4,686.12	301.17	90.89	19.48	358.18	4,166.76	6,871.87	6,751.07	120.79	56.889		
17,500.00	7,059.09	5,055.46	4,670.51	304.00	90.47	19.47	353.28	4,173.07	6,965.65	6,844.98	120.67	57.726		
17,600.00	7,060.12	5,038.15	4,655.07	306.84	90.05	19.45	348.49	4,179.26	7,059.52	6,938.98	120.54	58.565		
17,685.09	7,061.00	5,023.61	4,642.07	309.25	89.69	19.44	344.50	4,184.42	7,139.46	7,019.02	120.44	59.280		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.92	-776.42	5,579.89	5,633.87					
100.00	100.00	1,413.77	1,396.90	3.28	9.51	97.65	-726.13	5,408.87	5,621.15	5,610.57	10.58	531.547		
200.00	200.00	1,926.80	1,890.54	3.34	14.86	97.85	-726.43	5,269.97	5,597.30	5,584.36	12.95	432.345		
300.00	299.98	2,244.13	2,189.36	3.45	19.71	101.71	-732.29	5,163.47	5,564.38	5,549.75	14.63	380.357		
400.00	399.84	2,300.00	2,241.76	3.61	20.66	102.47	-731.87	5,144.11	5,530.89	5,515.90	15.00	368.836		
500.00	499.45	2,343.77	2,282.95	3.82	21.33	103.18	-731.04	5,129.34	5,498.88	5,483.54	15.34	358.523		
600.00	598.70	2,953.20	2,847.83	4.07	33.27	104.95	-712.98	4,903.27	5,467.24	5,448.63	18.61	293.757		
680.00	677.76	680.00	2,920.69	4.29	24.27	105.79	-710.67	4,869.71	5,436.45	5,426.99	9.46	574.674		
700.00	697.48	700.00	2,937.06	4.35	23.76	105.83	-710.03	4,862.10	5,428.74	5,419.22	9.52	570.113		
800.00	796.08	3,143.18	3,020.02	4.66	38.04	106.04	-706.60	4,823.27	5,389.98	5,369.90	20.08	268.462		
900.00	894.68	3,200.00	3,071.71	4.98	39.46	106.18	-704.55	4,799.77	5,352.11	5,331.45	20.67	258.987		
1,000.00	993.28	3,200.00	3,071.71	5.34	39.46	106.18	-704.55	4,799.77	5,315.08	5,294.08	21.00	253.151		
1,100.00	1,091.88	3,248.77	3,116.39	5.71	40.52	106.29	-702.78	4,780.30	5,279.09	5,257.49	21.60	244.422		
1,200.00	1,190.48	3,300.00	3,163.64	6.10	41.64	106.41	-700.69	4,760.61	5,244.26	5,222.03	22.24	235.829		
1,300.00	1,289.07	3,325.36	3,187.13	6.49	42.13	106.47	-699.76	4,751.10	5,210.34	5,187.57	22.78	228.773		
1,400.00	1,387.67	3,371.44	3,229.89	6.90	43.03	106.59	-698.87	4,733.97	5,177.39	5,153.95	23.44	220.887		
1,500.00	1,486.27	3,400.00	3,256.45	7.31	43.58	106.67	-698.85	4,723.46	5,145.41	5,121.37	24.03	214.092		
1,600.00	1,584.87	3,435.15	3,289.27	7.73	44.17	106.77	-699.11	4,710.87	5,114.58	5,089.90	24.68	207.197		
1,700.00	1,683.47	3,460.91	3,313.46	8.16	44.59	106.84	-699.37	4,702.02	5,085.11	5,059.81	25.30	200.992		
1,800.00	1,782.07	3,500.00	3,350.37	8.59	45.24	106.95	-699.87	4,689.18	5,057.02	5,031.02	26.00	194.498		
1,900.00	1,880.67	3,500.00	3,350.37	9.02	45.24	106.95	-699.87	4,689.18	5,030.22	5,003.72	26.50	189.834		
2,000.00	1,979.27	3,500.00	3,350.37	9.46	45.24	106.95	-699.87	4,689.18	5,005.28	4,978.28	27.00	185.374		
2,100.00	2,077.87	3,558.55	3,406.24	9.90	45.93	107.11	-699.80	4,671.67	4,980.84	4,953.05	27.79	179.226		
2,200.00	2,176.47	3,600.00	3,446.19	10.35	46.42	107.20	-698.65	4,660.70	4,958.46	4,929.96	28.50	173.969		
2,300.00	2,275.07	4,200.00	4,015.19	10.79	54.98	108.69	-682.64	4,473.72	4,934.02	4,902.23	31.78	155.238		
2,400.00	2,373.67	4,243.51	4,056.64	11.24	55.76	108.82	-682.27	4,457.71	4,902.69	4,870.11	32.58	150.485		
2,500.00	2,472.27	4,300.00	4,108.60	11.69	56.77	108.98	-681.73	4,438.07	4,872.91	4,839.46	33.45	145.674		
2,600.00	2,570.87	4,329.60	4,136.46	12.14	57.26	109.07	-681.46	4,428.06	4,843.96	4,809.77	34.19	141.672		
2,700.00	2,669.47	4,543.15	4,336.20	12.59	61.02	109.72	-681.44	4,352.54	4,814.30	4,778.37	35.93	133.985		
2,800.00	2,768.07	4,776.63	4,552.07	13.04	65.79	110.49	-682.36	4,263.62	4,782.16	4,744.26	37.90	126.193		
2,900.00	2,866.67	4,848.26	4,617.95	13.50	67.32	110.73	-682.04	4,235.52	4,748.97	4,710.01	38.96	121.886		
3,000.00	2,965.27	4,909.88	4,674.85	13.95	68.63	110.93	-681.48	4,211.85	4,716.55	4,676.57	39.98	117.969		
3,100.00	3,063.87	5,016.30	4,773.18	14.41	70.83	111.28	-680.20	4,171.17	4,684.38	4,643.13	41.25	113.565		
3,200.00	3,162.47	3,200.00	4,919.20	14.87	29.75	111.82	-679.65	4,108.57	4,651.33	4,622.54	28.79	161.563		
3,300.00	3,261.07	5,281.60	5,016.52	15.32	76.78	112.20	-679.33	4,065.53	4,617.45	4,573.18	44.27	104.298		
3,400.00	3,359.67	5,300.00	5,033.36	15.78	77.21	112.27	-679.35	4,058.11	4,584.47	4,539.32	45.14	101.550		
3,500.00	3,458.27	5,337.11	5,067.52	16.24	77.93	112.41	-679.48	4,043.60	4,552.75	4,506.63	46.13	98.699		
3,600.00	3,556.87	5,358.88	5,087.73	16.70	78.36	112.48	-679.61	4,035.51	4,522.71	4,475.68	47.03	96.175		
3,700.00	3,655.47	5,400.00	5,126.23	17.16	79.16	112.63	-679.98	4,021.08	4,494.40	4,446.35	48.05	93.538		
3,800.00	3,754.06	5,400.00	5,126.23	17.62	79.16	112.63	-679.98	4,021.08	4,467.36	4,418.55	48.82	91.516		
3,900.00	3,852.66	5,439.62	5,163.63	18.08	79.73	112.77	-680.40	4,008.02	4,441.94	4,392.13	49.80	89.192		
4,000.00	3,951.26	5,500.00	5,221.01	18.54	80.60	112.98	-681.00	3,989.24	4,418.09	4,367.18	50.91	86.776		
4,100.00	4,049.86	5,500.00	5,221.01	19.01	80.60	112.98	-681.00	3,989.24	4,395.28	4,343.61	51.67	85.057		
4,200.00	4,148.46	5,569.52	5,287.47	19.47	81.44	113.22	-681.66	3,968.83	4,373.68	4,320.86	52.81	82.812		
4,300.00	4,247.06	5,647.10	5,361.83	19.93	82.35	113.49	-682.54	3,946.76	4,353.02	4,299.01	54.01	80.593		
4,400.00	4,345.66	5,760.54	5,470.39	20.39	83.70	113.90	-684.95	3,913.95	4,332.39	4,276.94	55.45	78.129		
4,500.00	4,444.26	5,837.89	5,544.39	20.86	84.62	114.18	-686.31	3,891.46	4,311.70	4,255.01	56.69	76.058		
4,600.00	4,542.86	5,900.00	5,603.98	21.32	85.34	114.40	-687.35	3,873.97	4,291.93	4,234.10	57.84	74.205		
4,700.00	4,641.46	5,940.43	5,642.89	21.78	85.74	114.55	-687.98	3,863.02	4,273.26	4,214.41	58.84	72.619		
4,800.00	4,740.06	6,000.00	5,700.46	22.25	86.34	114.75	-688.75	3,847.72	4,255.90	4,195.94	59.95	70.988		
4,900.00	4,838.66	6,000.00	5,700.46	22.71	86.34	114.75	-688.75	3,847.72	4,239.94	4,179.22	60.72	69.823		
5,000.00	4,937.26	6,060.73	5,759.48	23.18	86.81	114.96	-689.33	3,833.43	4,225.14	4,163.35	61.79	68.383		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,035.86	6,100.00	5,797.83	23.64	87.11	115.08	-689.59	3,825.02	4,212.02	4,149.28	62.73	67.140		
5,200.00	5,134.46	6,100.00	5,797.83	24.11	87.11	115.08	-689.59	3,825.02	4,200.75	4,137.29	63.46	66.190		
5,300.00	5,233.06	6,149.40	5,846.35	24.57	87.36	115.23	-689.86	3,815.70	4,190.75	4,126.35	64.40	65.076		
5,400.00	5,331.66	6,200.00	5,896.34	25.04	87.62	115.38	-690.15	3,807.90	4,183.04	4,117.71	65.32	64.035		
5,500.00	5,430.26	6,200.00	5,896.34	25.50	87.62	115.38	-690.15	3,807.90	4,176.55	4,110.55	66.00	63.280		
5,600.00	5,528.86	6,236.68	5,932.72	25.97	87.72	115.48	-690.33	3,803.22	4,172.00	4,105.20	66.80	62.453		
5,700.00	5,627.46	6,300.00	5,995.69	26.43	87.90	115.65	-690.46	3,796.68	4,169.30	4,101.60	67.70	61.585		
5,800.00	5,726.06	6,300.00	5,995.69	26.90	87.90	115.65	-690.46	3,796.68	4,167.64	4,099.33	68.31	61.008		
5,852.94	5,778.26	6,334.48	6,030.06	27.14	87.97	115.74	-690.47	3,793.81	4,167.44	4,098.67	68.77	60.602		
5,900.00	5,824.66	6,356.87	6,052.38	27.36	88.02	115.79	-690.47	3,792.12	4,167.58	4,098.45	69.13	60.283		
6,000.00	5,923.26	6,400.00	6,095.42	27.83	88.10	115.90	-690.44	3,789.28	4,168.82	4,098.94	69.88	59.653		
6,100.00	6,021.86	6,457.07	6,152.41	28.30	88.19	116.03	-690.33	3,786.26	4,171.26	4,100.59	70.67	59.025		
6,200.00	6,120.46	6,515.27	6,210.56	28.76	88.28	116.16	-690.09	3,784.00	4,174.86	4,103.41	71.45	58.434		
6,300.00	6,219.06	6,601.28	6,296.53	29.23	88.40	116.34	-689.28	3,781.35	4,179.09	4,106.77	72.32	57.786		
6,405.66	6,323.24	6,667.24	6,362.47	29.72	88.49	116.47	-688.42	3,779.86	4,184.25	4,111.12	73.13	57.218		
6,450.00	6,366.93	6,700.00	6,395.22	29.93	88.53	93.83	-687.98	3,779.38	4,185.32	4,111.82	73.49	56.948		
6,500.00	6,415.96	6,729.69	6,424.91	30.15	88.57	74.57	-687.59	3,779.04	4,183.33	4,109.45	73.89	56.617		
6,550.00	6,464.44	6,764.60	6,459.81	30.37	88.62	62.49	-687.17	3,778.75	4,177.98	4,103.66	74.32	56.217		
6,600.00	6,512.08	6,800.00	6,495.21	30.58	88.67	55.09	-686.79	3,778.57	4,169.28	4,094.51	74.76	55.766		
6,650.00	6,558.58	6,836.48	6,531.69	30.78	88.72	50.49	-686.49	3,778.44	4,157.27	4,082.05	75.22	55.265		
6,700.00	6,603.65	6,872.98	6,568.19	30.97	88.77	47.66	-686.34	3,778.33	4,142.02	4,066.32	75.70	54.716		
6,750.00	6,647.02	6,916.52	6,611.73	31.15	88.82	46.07	-686.36	3,778.19	4,123.60	4,047.38	76.22	54.100		
6,800.00	6,688.42	6,984.77	6,679.97	31.31	88.92	45.55	-686.44	3,777.63	4,101.90	4,025.04	76.87	53.363		
6,850.00	6,727.59	7,029.99	6,725.19	31.46	88.98	45.63	-686.49	3,777.04	4,077.08	3,999.65	77.43	52.657		
6,900.00	6,764.29	7,066.79	6,761.98	31.60	89.03	46.31	-686.51	3,776.55	4,049.47	3,971.50	77.97	51.938		
6,950.00	6,798.30	7,100.82	6,796.01	31.73	89.08	47.58	-686.52	3,776.10	4,019.27	3,940.76	78.51	51.194		
7,000.00	6,829.41	7,123.93	6,819.12	31.84	89.11	49.35	-686.53	3,775.81	3,986.71	3,907.68	79.03	50.448		
7,050.00	6,857.42	7,144.94	6,840.13	32.03	89.14	51.73	-686.57	3,775.58	3,952.03	3,872.47	79.55	49.678		
7,100.00	6,882.16	7,163.51	6,858.70	32.36	89.17	54.77	-686.63	3,775.39	3,915.43	3,835.34	80.09	48.886		
7,150.00	6,903.48	7,179.51	6,874.70	32.73	89.19	58.51	-686.69	3,775.25	3,877.15	3,796.50	80.64	48.077		
7,200.00	6,921.25	7,192.85	6,888.03	33.15	89.21	63.02	-686.75	3,775.15	3,837.40	3,756.19	81.21	47.253		
7,250.00	6,935.36	7,204.09	6,899.28	33.61	89.22	68.35	-686.81	3,775.06	3,796.44	3,714.64	81.79	46.415		
7,300.00	6,945.72	7,213.33	6,908.52	34.11	89.24	74.53	-686.86	3,775.00	3,754.50	3,672.11	82.39	45.568		
7,350.00	6,952.26	7,219.07	6,914.25	34.65	89.25	81.42	-686.89	3,774.96	3,711.85	3,628.84	83.00	44.720		
7,403.14	6,955.00	7,221.27	6,916.45	35.26	89.25	89.34	-686.90	3,774.95	3,666.02	3,582.36	83.66	43.820		
7,500.00	6,955.99	7,221.60	6,916.78	36.49	89.25	89.35	-686.90	3,774.95	3,582.54	3,497.61	84.93	42.184		
7,600.00	6,957.03	7,221.95	6,917.13	37.93	89.25	89.36	-686.91	3,774.94	3,497.07	3,410.70	86.37	40.490		
7,700.00	6,958.06	7,222.29	6,917.48	39.52	89.25	89.37	-686.91	3,774.94	3,412.40	3,324.44	87.96	38.795		
7,800.00	6,959.09	7,222.64	6,917.83	41.25	89.25	89.38	-686.91	3,774.94	3,328.57	3,238.86	89.71	37.105		
7,900.00	6,960.12	7,222.99	6,918.18	43.09	89.25	89.39	-686.91	3,774.94	3,245.66	3,154.04	91.63	35.423		
8,000.00	6,961.15	7,223.35	6,918.53	45.04	89.25	89.40	-686.91	3,774.93	3,163.74	3,070.02	93.72	33.757		
8,100.00	6,962.18	7,223.70	6,918.89	47.08	89.25	89.41	-686.91	3,774.93	3,082.89	2,986.89	96.00	32.113		
8,200.00	6,963.21	7,224.06	6,919.25	49.20	89.25	89.42	-686.92	3,774.93	3,003.19	2,904.71	98.48	30.496		
8,300.00	6,964.24	7,224.42	6,919.60	51.39	89.25	89.44	-686.92	3,774.93	2,924.74	2,823.58	101.16	28.913		
8,400.00	6,965.27	7,224.78	6,919.97	53.64	89.25	89.45	-686.92	3,774.93	2,847.63	2,743.59	104.05	27.369		
8,500.00	6,966.30	7,225.14	6,920.33	55.95	89.25	89.46	-686.92	3,774.92	2,772.00	2,664.84	107.15	25.870		
8,600.00	6,967.33	7,225.51	6,920.69	58.30	89.26	89.47	-686.92	3,774.92	2,697.94	2,587.46	110.48	24.420		
8,700.00	6,968.37	7,225.87	6,921.06	60.70	89.26	89.48	-686.93	3,774.92	2,625.61	2,511.58	114.03	23.026		
8,800.00	6,969.40	7,226.24	6,921.43	63.14	89.26	89.49	-686.93	3,774.92	2,555.15	2,437.34	117.80	21.690		
8,900.00	6,970.43	7,226.61	6,921.80	65.60	89.26	89.50	-686.93	3,774.91	2,486.71	2,364.91	121.80	20.416		
9,000.00	6,971.46	7,226.99	6,922.17	68.10	89.26	89.52	-686.93	3,774.91	2,420.47	2,294.45	126.02	19.207		
9,100.00	6,972.49	7,227.36	6,922.55	70.63	89.26	89.53	-686.93	3,774.91	2,356.61	2,226.16	130.44	18.066		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,200.00	6,973.52	7,227.74	6,922.92	73.18	89.26	89.54	-686.94	3,774.91	2,295.33	2,160.26	135.07	16.994		
9,300.00	6,974.55	7,228.12	6,923.30	75.75	89.26	89.55	-686.94	3,774.90	2,236.84	2,096.97	139.87	15.992		
9,400.00	6,975.58	7,228.50	6,923.68	78.34	89.26	89.56	-686.94	3,774.90	2,181.38	2,036.54	144.84	15.061		
9,500.00	6,976.61	7,228.88	6,924.07	80.94	89.26	89.57	-686.94	3,774.90	2,129.16	1,979.24	149.92	14.202		
9,600.00	6,977.64	7,229.27	6,924.45	83.56	89.26	89.59	-686.94	3,774.90	2,080.45	1,925.35	155.10	13.413		
9,700.00	6,978.68	7,229.65	6,924.84	86.20	89.26	89.60	-686.95	3,774.89	2,035.49	1,875.16	160.33	12.696		
9,800.00	6,979.71	7,230.04	6,925.23	88.85	89.26	89.61	-686.95	3,774.89	1,994.53	1,828.98	165.55	12.048		
9,900.00	6,980.74	7,230.43	6,925.62	91.51	89.26	89.62	-686.95	3,774.89	1,957.82	1,787.12	170.70	11.469		
10,000.00	6,981.77	7,230.83	6,926.01	94.19	89.26	89.64	-686.95	3,774.89	1,925.62	1,749.89	175.73	10.958		
10,100.00	6,982.80	7,231.22	6,926.41	96.87	89.26	89.65	-686.95	3,774.88	1,898.14	1,717.58	180.56	10.512		
10,200.00	6,983.83	7,231.62	6,926.81	99.56	89.26	89.66	-686.96	3,774.88	1,875.60	1,690.47	185.13	10.131		
10,300.00	6,984.86	7,232.02	6,927.21	102.27	89.26	89.67	-686.96	3,774.88	1,858.17	1,668.81	189.37	9.812		
10,400.00	6,985.89	7,232.42	6,927.61	104.98	89.27	89.69	-686.96	3,774.88	1,846.01	1,652.80	193.21	9.554		
10,500.00	6,986.92	7,232.83	6,928.01	107.69	89.27	89.70	-686.96	3,774.87	1,839.21	1,642.60	196.61	9.355		
10,575.34	6,987.70	7,233.14	6,928.32	109.74	89.27	89.71	-686.96	3,774.87	1,837.66	1,638.82	198.84	9.242 CC		
10,600.00	6,987.95	7,233.24	6,928.42	110.41	89.27	89.71	-686.96	3,774.87	1,837.83	1,638.32	199.51	9.212 ES		
10,700.00	6,988.99	7,233.65	6,928.83	113.14	89.27	89.72	-686.97	3,774.87	1,841.89	1,640.00	201.89	9.123		
10,800.00	6,990.02	7,234.06	6,929.24	115.88	89.27	89.74	-686.97	3,774.87	1,851.34	1,647.62	203.73	9.087 SF		
10,900.00	6,991.05	7,234.47	6,929.66	118.62	89.27	89.75	-686.97	3,774.86	1,866.12	1,661.10	205.03	9.102		
11,000.00	6,992.08	7,234.89	6,930.07	121.37	89.27	89.76	-686.97	3,774.86	1,886.09	1,680.29	205.80	9.165		
11,100.00	6,993.11	7,235.31	6,930.49	124.12	89.27	89.78	-686.97	3,774.86	1,911.09	1,705.02	206.07	9.274		
11,200.00	6,994.14	7,235.73	6,930.91	126.87	89.27	89.79	-686.98	3,774.86	1,940.93	1,735.05	205.88	9.428		
11,300.00	6,995.17	7,236.15	6,931.34	129.63	89.27	89.80	-686.98	3,774.85	1,975.38	1,770.12	205.26	9.624		
11,400.00	6,996.20	7,236.58	6,931.76	132.39	89.27	89.81	-686.98	3,774.85	2,014.21	1,809.94	204.28	9.860		
11,500.00	6,997.23	7,237.01	6,932.19	135.16	89.27	89.83	-686.98	3,774.85	2,057.18	1,854.21	202.97	10.136		
11,600.00	6,998.26	7,237.44	6,932.62	137.93	89.27	89.84	-686.99	3,774.85	2,104.02	1,902.64	201.39	10.448		
11,700.00	6,999.30	7,237.87	6,933.06	140.70	89.27	89.86	-686.99	3,774.84	2,154.50	1,954.91	199.58	10.795		
11,800.00	7,000.33	7,238.31	6,933.49	143.48	89.27	89.87	-686.99	3,774.84	2,208.34	2,010.75	197.60	11.176		
11,900.00	7,001.36	7,238.75	6,933.93	146.26	89.27	89.88	-686.99	3,774.84	2,265.33	2,069.85	195.48	11.589		
12,000.00	7,002.39	7,239.19	6,934.37	149.04	89.27	89.90	-687.00	3,774.84	2,325.22	2,131.96	193.25	12.032		
12,100.00	7,003.42	7,239.63	6,934.82	151.82	89.28	89.91	-687.00	3,774.83	2,387.79	2,196.83	190.96	12.504		
12,200.00	7,004.45	7,240.08	6,935.26	154.61	89.28	89.92	-687.00	3,774.83	2,452.85	2,264.22	188.63	13.003		
12,300.00	7,005.48	7,240.53	6,935.71	157.40	89.28	89.94	-687.00	3,774.83	2,520.20	2,333.91	186.29	13.529		
12,400.00	7,006.51	7,240.98	6,936.16	160.19	89.28	89.95	-687.00	3,774.83	2,589.66	2,405.72	183.94	14.079		
12,500.00	7,007.54	7,241.43	6,936.62	162.98	89.28	89.97	-687.01	3,774.82	2,661.07	2,479.45	181.61	14.652		
12,600.00	7,008.57	7,241.89	6,937.08	165.78	89.28	89.98	-687.01	3,774.82	2,734.26	2,554.95	179.32	15.248		
12,700.00	7,009.61	7,242.35	6,937.54	168.58	89.28	89.99	-687.01	3,774.82	2,809.11	2,632.05	177.06	15.865		
12,800.00	7,010.64	7,242.81	6,938.00	171.38	89.28	90.01	-687.01	3,774.81	2,885.49	2,710.64	174.85	16.502		
12,900.00	7,011.67	7,243.28	6,938.46	174.18	89.28	90.02	-687.02	3,774.81	2,963.27	2,790.57	172.70	17.158		
13,000.00	7,012.70	7,243.75	6,938.93	176.98	89.28	90.04	-687.02	3,774.81	3,042.35	2,871.74	170.61	17.833		
13,100.00	7,013.73	7,244.22	6,939.40	179.78	89.28	90.05	-687.02	3,774.81	3,122.63	2,954.05	168.57	18.524		
13,200.00	7,014.76	7,244.69	6,939.88	182.59	89.28	90.07	-687.02	3,774.80	3,204.02	3,037.41	166.61	19.231		
13,300.00	7,015.79	7,245.17	6,940.36	185.39	89.28	90.08	-687.03	3,774.80	3,286.44	3,121.73	164.70	19.954		
13,400.00	7,016.82	7,245.65	6,940.84	188.20	89.28	90.10	-687.03	3,774.80	3,369.80	3,206.94	162.86	20.691		
13,500.00	7,017.85	7,246.13	6,941.32	191.01	89.28	90.11	-687.03	3,774.79	3,454.06	3,292.97	161.09	21.442		
13,600.00	7,018.88	7,246.62	6,941.80	193.82	89.29	90.13	-687.03	3,774.79	3,539.13	3,379.75	159.38	22.206		
13,700.00	7,019.91	7,247.11	6,942.29	196.63	89.29	90.14	-687.04	3,774.79	3,624.96	3,467.23	157.73	22.982		
13,800.00	7,020.95	7,247.60	6,942.79	199.44	89.29	90.16	-687.04	3,774.79	3,711.50	3,555.36	156.14	23.770		
13,900.00	7,021.98	7,248.10	6,943.28	202.26	89.29	90.17	-687.04	3,774.78	3,798.71	3,644.09	154.61	24.569		
14,000.00	7,023.01	7,248.60	6,943.78	205.07	89.29	90.19	-687.04	3,774.78	3,886.53	3,733.39	153.14	25.378		
14,100.00	7,024.04	7,249.10	6,944.28	207.89	89.29	90.21	-687.05	3,774.78	3,974.92	3,823.20	151.73	26.198		
14,200.00	7,025.07	7,249.60	6,944.79	210.70	89.29	90.22	-687.05	3,774.77	4,063.86	3,913.49	150.37	27.026		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
14,300.00	7,026.10	7,250.11	6,945.29	213.52	89.29	90.24	-687.05	3,774.77	4,153.30	4,004.24	149.06	27.864		
14,400.00	7,027.13	7,250.62	6,945.80	216.34	89.29	90.25	-687.05	3,774.77	4,243.20	4,095.41	147.80	28.710		
14,500.00	7,028.16	7,251.13	6,946.32	219.16	89.29	90.27	-687.06	3,774.77	4,333.55	4,186.97	146.59	29.563		
14,600.00	7,029.19	7,251.65	6,946.84	221.98	89.29	90.28	-687.06	3,774.76	4,424.32	4,278.90	145.42	30.425		
14,700.00	7,030.22	7,252.17	6,947.36	224.80	89.29	90.30	-687.06	3,774.76	4,515.48	4,371.18	144.30	31.293		
14,800.00	7,031.26	7,252.70	6,947.88	227.62	89.29	90.32	-687.06	3,774.76	4,607.00	4,463.78	143.22	32.168		
14,900.00	7,032.29	7,253.22	6,948.41	230.44	89.29	90.33	-687.07	3,774.75	4,698.87	4,556.69	142.18	33.049		
15,000.00	7,033.32	7,253.76	6,948.94	233.26	89.30	90.35	-687.07	3,774.75	4,791.06	4,649.88	141.18	33.936		
15,100.00	7,034.35	7,254.29	6,949.47	236.09	89.30	90.37	-687.07	3,774.75	4,883.56	4,743.35	140.22	34.829		
15,200.00	7,035.38	7,254.83	6,950.01	238.91	89.30	90.38	-687.08	3,774.75	4,976.35	4,837.06	139.29	35.727		
15,300.00	7,036.41	7,255.37	6,950.55	241.74	89.30	90.40	-687.08	3,774.74	5,069.42	4,931.02	138.40	36.629		
15,400.00	7,037.44	7,255.91	6,951.10	244.56	89.30	90.42	-687.08	3,774.74	5,162.74	5,025.21	137.54	37.537		
15,500.00	7,038.47	7,256.46	6,951.65	247.39	89.30	90.43	-687.08	3,774.74	5,256.31	5,119.61	136.71	38.449		
15,600.00	7,039.50	7,257.01	6,952.20	250.21	89.30	90.45	-687.09	3,774.73	5,350.12	5,214.21	135.91	39.365		
15,700.00	7,040.53	7,257.57	6,952.75	253.04	89.30	90.47	-687.09	3,774.73	5,444.14	5,309.00	135.14	40.285		
15,800.00	7,041.57	7,258.13	6,953.31	255.87	89.30	90.49	-687.09	3,774.73	5,538.37	5,403.98	134.40	41.209		
15,900.00	7,042.60	7,258.69	6,953.88	258.70	89.30	90.50	-687.09	3,774.72	5,632.80	5,499.12	133.68	42.136		
16,000.00	7,043.63	7,259.26	6,954.44	261.53	89.30	90.52	-687.10	3,774.72	5,727.43	5,594.43	132.99	43.066		
16,100.00	7,044.66	7,259.83	6,955.01	264.35	89.30	90.54	-687.10	3,774.72	5,822.23	5,689.90	132.33	43.999		
16,200.00	7,045.69	7,260.40	6,955.59	267.18	89.30	90.56	-687.10	3,774.71	5,917.20	5,785.51	131.68	44.935		
16,300.00	7,046.72	7,260.98	6,956.17	270.01	89.31	90.58	-687.11	3,774.71	6,012.33	5,881.27	131.06	45.874		
16,400.00	7,047.75	7,261.57	6,956.75	272.84	89.31	90.59	-687.11	3,774.71	6,107.62	5,977.16	130.46	46.815		
16,500.00	7,048.78	7,262.15	6,957.34	275.67	89.31	90.61	-687.11	3,774.70	6,203.06	6,073.17	129.88	47.758		
16,600.00	7,049.81	7,262.74	6,957.93	278.51	89.31	90.63	-687.12	3,774.70	6,298.64	6,169.31	129.33	48.704		
16,700.00	7,050.84	7,263.34	6,958.52	281.34	89.31	90.65	-687.12	3,774.70	6,394.35	6,265.57	128.79	49.651		
16,800.00	7,051.88	7,263.93	6,959.12	284.17	89.31	90.67	-687.12	3,774.70	6,490.20	6,361.93	128.26	50.600		
16,900.00	7,052.91	7,264.54	6,959.72	287.00	89.31	90.69	-687.12	3,774.69	6,586.16	6,458.40	127.76	51.551		
17,000.00	7,053.94	4,725.25	4,504.79	289.83	64.68	37.04	-682.34	4,283.74	6,679.97	6,560.53	119.45	55.923		
17,100.00	7,054.97	4,700.00	4,481.53	292.67	64.13	36.78	-682.26	4,293.57	6,768.98	6,649.96	119.02	56.873		
17,200.00	7,056.00	4,700.00	4,481.53	295.50	64.13	36.78	-682.26	4,293.57	6,858.23	6,739.53	118.70	57.777		
17,300.00	7,057.03	4,662.87	4,447.27	298.33	63.38	36.40	-682.08	4,307.87	6,947.56	6,829.30	118.26	58.748		
17,400.00	7,058.06	4,645.93	4,431.60	301.17	63.03	36.23	-682.00	4,314.32	7,037.15	6,919.24	117.90	59.686		
17,500.00	7,059.09	4,629.24	4,416.15	304.00	62.69	36.06	-681.91	4,320.63	7,126.92	7,009.37	117.55	60.627		
17,600.00	7,060.12	4,600.00	4,389.03	306.84	62.10	35.77	-681.75	4,331.56	7,216.91	7,099.73	117.17	61.592		
17,685.09	7,061.00	4,600.00	4,389.03	309.25	62.10	35.77	-681.75	4,331.56	7,293.56	7,176.63	116.94	62.371		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.59	-745.09	5,591.85	5,641.49					
100.00	100.00	40.57	40.57	3.28	3.28	97.59	-744.97	5,591.90	5,641.31	5,634.75	6.57	859.174		
200.00	200.00	616.69	614.36	3.34	4.53	97.20	-704.80	5,576.23	5,639.74	5,631.93	7.81	721.916		
300.00	299.98	731.42	727.50	3.45	5.09	100.11	-687.27	5,568.85	5,631.68	5,623.26	8.42	668.492		
400.00	399.84	1,327.83	1,302.24	3.61	9.66	99.27	-544.33	5,508.15	5,617.34	5,604.62	12.72	441.505		
500.00	499.45	1,444.90	1,412.43	3.82	10.82	99.33	-507.98	5,492.49	5,601.58	5,587.64	13.94	401.864		
600.00	598.70	1,538.71	1,500.88	4.07	11.71	99.47	-479.50	5,479.65	5,586.24	5,571.28	14.96	373.477		
680.00	677.76	1,600.00	1,558.85	4.29	12.27	99.62	-461.39	5,471.36	5,574.61	5,558.95	15.67	355.769		
700.00	697.48	1,618.28	1,576.16	4.35	12.43	99.60	-456.08	5,468.90	5,571.79	5,555.92	15.87	351.158		
800.00	796.08	1,700.00	1,653.67	4.66	13.15	99.50	-432.63	5,457.93	5,557.76	5,540.95	16.80	330.727		
900.00	894.68	1,768.39	1,718.72	4.98	13.71	99.43	-413.49	5,448.97	5,544.17	5,526.54	17.64	314.319		
1,000.00	993.28	1,831.85	1,779.24	5.34	14.22	99.37	-396.15	5,441.04	5,531.26	5,512.81	18.45	299.844		
1,100.00	1,091.88	1,900.00	1,844.38	5.71	14.74	99.30	-377.85	5,432.91	5,518.97	5,499.68	19.30	286.026		
1,200.00	1,190.48	2,013.76	1,953.34	6.10	15.59	99.20	-348.08	5,419.39	5,506.86	5,486.41	20.45	269.300		
1,300.00	1,289.07	2,139.90	2,074.20	6.49	16.52	99.09	-315.45	5,403.92	5,494.43	5,472.74	21.69	253.327		
1,400.00	1,387.67	2,234.53	2,164.73	6.90	17.22	99.01	-290.69	5,391.84	5,481.47	5,458.74	22.74	241.099		
1,500.00	1,486.27	2,300.00	2,227.49	7.31	17.70	98.95	-273.78	5,383.97	5,469.23	5,445.64	23.59	231.822		
1,600.00	1,584.87	2,360.65	2,285.69	7.73	18.13	98.90	-258.16	5,377.07	5,457.64	5,433.23	24.41	223.542		
1,700.00	1,683.47	2,499.06	2,418.22	8.16	19.13	98.76	-221.46	5,361.46	5,446.22	5,420.45	25.77	211.360		
1,800.00	1,782.07	2,645.93	2,558.28	8.59	20.26	98.61	-181.04	5,343.60	5,433.75	5,406.51	27.24	199.458		
1,900.00	1,880.67	2,819.82	2,722.61	9.02	21.75	98.37	-128.95	5,320.78	5,419.97	5,390.94	29.03	186.702		
2,000.00	1,979.27	2,876.59	2,776.13	9.46	22.25	98.29	-111.61	5,313.26	5,406.11	5,376.17	29.94	180.548		
2,100.00	2,077.87	2,968.55	2,863.20	9.90	23.02	98.17	-84.44	5,301.50	5,392.85	5,361.74	31.10	173.391		
2,200.00	2,176.47	3,107.80	2,995.10	10.35	24.19	98.00	-43.79	5,283.06	5,379.21	5,346.60	32.61	164.934		
2,300.00	2,275.07	3,148.21	3,033.39	10.79	24.51	97.95	-32.01	5,277.80	5,365.76	5,332.38	33.38	160.755		
2,400.00	2,373.67	3,200.00	3,082.80	11.24	24.92	97.89	-17.84	5,271.46	5,353.30	5,319.08	34.23	156.406		
2,500.00	2,472.27	3,274.58	3,154.24	11.69	25.45	97.82	1.69	5,262.73	5,341.54	5,306.36	35.18	151.824		
2,600.00	2,570.87	3,420.39	3,293.96	12.14	26.49	97.68	39.60	5,245.34	5,329.67	5,293.08	36.59	145.648		
2,700.00	2,669.47	3,459.62	3,331.67	12.59	26.74	97.65	49.41	5,240.77	5,317.91	5,280.60	37.31	142.531		
2,800.00	2,768.07	3,557.16	3,425.77	13.04	27.38	97.58	72.63	5,229.80	5,306.89	5,268.53	38.36	138.330		
2,900.00	2,866.67	3,646.80	3,512.37	13.50	27.94	97.53	93.19	5,219.21	5,295.43	5,256.08	39.35	134.563		
3,000.00	2,965.27	3,713.83	3,577.21	13.95	28.36	97.48	108.54	5,211.82	5,284.70	5,244.48	40.22	131.409		
3,100.00	3,063.87	4,030.40	3,878.77	14.41	30.82	97.13	195.40	5,171.41	5,271.20	5,228.32	42.88	122.940		
3,200.00	3,162.47	4,100.00	3,943.96	14.87	31.47	97.02	217.70	5,161.64	5,256.76	5,212.80	43.96	119.571		
3,300.00	3,261.07	4,169.03	4,008.82	15.32	32.09	96.91	239.40	5,152.29	5,242.90	5,197.88	45.02	116.459		
3,400.00	3,359.67	4,221.87	4,058.80	15.78	32.53	96.83	255.16	5,145.53	5,229.91	5,183.98	45.93	113.871		
3,500.00	3,458.27	4,271.04	4,105.50	16.24	32.91	96.77	269.41	5,139.65	5,217.86	5,171.08	46.78	111.534		
3,600.00	3,556.87	4,366.31	4,196.12	16.70	33.65	96.64	296.79	5,128.98	5,206.59	5,158.63	47.96	108.567		
3,700.00	3,655.47	4,538.56	4,359.08	17.16	35.04	96.39	348.59	5,108.20	5,194.35	5,144.62	49.73	104.460		
3,800.00	3,754.06	4,659.73	4,473.28	17.62	36.09	96.20	385.91	5,092.54	5,181.26	5,130.08	51.18	101.236		
3,900.00	3,852.66	4,817.53	4,621.13	18.08	37.53	95.93	436.73	5,071.20	5,167.54	5,114.56	52.98	97.544		
4,000.00	3,951.26	4,900.00	4,698.84	18.54	38.27	95.81	461.69	5,059.40	5,153.23	5,099.08	54.15	95.167		
4,100.00	4,049.86	4,967.53	4,762.65	19.01	38.85	95.71	481.71	5,050.00	5,139.42	5,084.23	55.18	93.132		
4,200.00	4,148.46	5,028.24	4,820.15	19.47	39.35	95.62	499.49	5,042.06	5,126.43	5,070.27	56.16	91.286		
4,300.00	4,247.06	5,100.00	4,888.21	19.93	39.93	95.52	520.43	5,033.16	5,114.13	5,056.94	57.20	89.411		
4,400.00	4,345.66	5,159.40	4,944.77	20.39	40.36	95.45	537.15	5,026.14	5,102.49	5,044.38	58.11	87.805		
4,500.00	4,444.26	5,200.00	4,983.64	20.86	40.66	95.40	547.90	5,021.49	5,091.61	5,032.71	58.90	86.448		
4,600.00	4,542.86	5,253.89	5,035.61	21.32	40.97	95.36	560.98	5,015.80	5,081.70	5,022.00	59.69	85.128		
4,700.00	4,641.46	5,300.00	5,080.45	21.78	41.24	95.33	570.85	5,011.57	5,073.05	5,012.60	60.44	83.931		
4,800.00	4,740.06	5,335.56	5,115.24	22.25	41.40	95.33	577.62	5,008.68	5,065.53	5,004.46	61.08	82.938		
4,900.00	4,838.66	5,400.00	5,178.66	22.71	41.67	95.33	588.07	5,004.17	5,059.24	4,997.42	61.82	81.840		
5,000.00	4,937.26	5,427.84	5,206.18	23.18	41.77	95.34	591.91	5,002.49	5,053.83	4,991.45	62.38	81.019		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,035.86	5,481.50	5,259.37	23.64	41.95	95.37	598.43	4,999.59	5,049.46	4,986.45	63.02	80.130		
5,200.00	5,134.46	5,546.08	5,323.54	24.11	42.15	95.42	604.97	4,996.60	5,045.94	4,982.27	63.67	79.254		
5,300.00	5,233.06	5,614.90	5,392.03	24.57	42.35	95.48	611.12	4,993.78	5,043.03	4,978.71	64.32	78.406		
5,400.00	5,331.66	5,678.83	5,455.73	25.04	42.52	95.55	616.03	4,991.55	5,040.80	4,975.86	64.94	77.619		
5,500.00	5,430.26	5,741.08	5,517.82	25.50	42.69	95.62	620.11	4,989.80	5,039.30	4,973.75	65.55	76.877		
5,600.00	5,528.86	5,800.00	5,576.63	25.97	42.84	95.69	623.49	4,988.56	5,038.58	4,972.44	66.14	76.180		
5,675.78	5,603.58	5,861.60	5,638.15	26.32	42.99	95.78	626.38	4,987.55	5,038.44	4,971.81	66.63	75.617		
5,700.00	5,627.46	5,880.25	5,656.79	26.43	43.04	95.80	627.08	4,987.29	5,038.46	4,971.67	66.78	75.443		
5,800.00	5,726.06	5,967.81	5,744.31	26.90	43.26	95.94	629.43	4,986.15	5,038.73	4,971.28	67.44	74.709		
5,900.00	5,824.66	6,060.85	5,837.34	27.36	43.48	96.11	630.59	4,985.01	5,039.19	4,971.08	68.12	73.979		
6,000.00	5,923.26	6,166.51	5,942.98	27.83	43.74	96.30	631.58	4,983.72	5,039.74	4,970.91	68.83	73.222		
6,100.00	6,021.86	6,278.69	6,055.15	28.30	44.02	96.50	632.61	4,982.07	5,040.08	4,970.51	69.56	72.453		
6,200.00	6,120.46	6,391.58	6,168.01	28.76	44.31	96.70	633.56	4,980.10	5,040.20	4,969.90	70.30	71.691		
6,300.00	6,219.06	6,503.99	6,280.39	29.23	44.60	96.90	634.80	4,977.85	5,040.10	4,969.05	71.05	70.939		
6,350.06	6,268.42	6,544.00	6,320.39	29.46	44.71	96.97	635.44	4,977.05	5,040.06	4,968.68	71.37	70.614		
6,405.66	6,323.24	6,589.67	6,366.04	29.72	44.83	97.05	636.30	4,976.23	5,040.11	4,968.37	71.74	70.256		
6,450.00	6,366.93	6,633.35	6,409.71	29.93	44.94	74.45	637.24	4,975.50	5,038.68	4,966.63	72.05	69.930		
6,500.00	6,415.96	6,685.59	6,461.92	30.15	45.08	55.18	638.50	4,974.61	5,033.37	4,960.96	72.41	69.509		
6,550.00	6,464.44	6,731.87	6,508.18	30.37	45.20	42.95	639.72	4,973.82	5,024.19	4,951.45	72.75	69.065		
6,600.00	6,512.08	6,775.27	6,551.56	30.58	45.32	35.28	640.87	4,973.11	5,011.26	4,938.19	73.06	68.590		
6,650.00	6,558.58	6,819.40	6,595.68	30.78	45.44	30.31	642.05	4,972.43	4,994.63	4,921.26	73.37	68.075		
6,700.00	6,603.65	6,864.60	6,640.86	30.97	45.56	26.97	643.25	4,971.73	4,974.40	4,900.73	73.67	67.522		
6,750.00	6,647.02	6,912.58	6,688.80	31.15	45.69	24.71	644.55	4,970.99	4,950.67	4,876.69	73.97	66.926		
6,800.00	6,688.42	6,977.21	6,753.39	31.31	45.87	23.24	646.52	4,969.79	4,923.46	4,849.14	74.32	66.249		
6,850.00	6,727.59	7,038.72	6,814.86	31.46	46.04	22.34	648.69	4,968.39	4,892.89	4,818.25	74.64	65.551		
6,900.00	6,764.29	7,096.29	6,872.36	31.60	46.21	21.90	651.02	4,966.84	4,859.20	4,784.25	74.94	64.839		
6,950.00	6,798.30	7,134.90	6,910.91	31.73	46.32	21.83	652.76	4,965.71	4,822.65	4,747.48	75.17	64.154		
7,000.00	6,829.41	7,169.04	6,944.99	31.84	46.42	22.18	654.45	4,964.69	4,783.56	4,708.18	75.38	63.462		
7,050.00	6,857.42	7,199.57	6,975.46	32.03	46.51	23.01	656.08	4,963.76	4,742.17	4,666.61	75.56	62.763		
7,100.00	6,882.16	7,220.65	6,996.50	32.36	46.57	24.40	657.27	4,963.13	4,698.76	4,623.06	75.70	62.074		
7,150.00	6,903.48	7,238.60	7,014.42	32.73	46.62	26.61	658.32	4,962.60	4,653.60	4,577.79	75.81	61.381		
7,200.00	6,921.25	7,253.39	7,029.17	33.15	46.67	30.12	659.22	4,962.18	4,606.98	4,531.06	75.91	60.688		
7,250.00	6,935.36	7,264.91	7,040.66	33.61	46.70	35.87	659.93	4,961.85	4,559.16	4,483.17	75.99	59.997		
7,300.00	6,945.72	7,273.06	7,048.79	34.11	46.73	46.04	660.45	4,961.62	4,510.45	4,434.41	76.05	59.310		
7,350.00	6,952.26	7,277.78	7,053.50	34.65	46.74	65.52	660.75	4,961.49	4,461.15	4,385.06	76.09	58.631		
7,403.14	6,955.00	7,278.98	7,054.70	35.26	46.75	101.68	660.83	4,961.46	4,408.42	4,332.31	76.11	57.919		
7,500.00	6,955.99	7,277.55	7,053.28	36.49	46.74	101.52	660.74	4,961.50	4,312.24	4,236.10	76.14	56.632		
7,600.00	6,957.03	7,276.07	7,051.80	37.93	46.74	101.36	660.64	4,961.54	4,212.98	4,136.79	76.18	55.301		
7,700.00	6,958.06	7,274.58	7,050.31	39.52	46.73	101.19	660.55	4,961.58	4,113.75	4,037.52	76.23	53.966		
7,800.00	6,959.09	7,273.08	7,048.81	41.25	46.73	101.03	660.45	4,961.62	4,014.56	3,938.28	76.28	52.627		
7,900.00	6,960.12	7,271.56	7,047.30	43.09	46.72	100.86	660.35	4,961.67	3,915.41	3,839.06	76.35	51.285		
8,000.00	6,961.15	7,270.04	7,045.78	45.04	46.72	100.69	660.26	4,961.71	3,816.30	3,739.88	76.42	49.939		
8,100.00	6,962.18	7,268.50	7,044.24	47.08	46.71	100.52	660.16	4,961.75	3,717.24	3,640.74	76.50	48.589		
8,200.00	6,963.21	7,266.95	7,042.70	49.20	46.71	100.35	660.06	4,961.79	3,618.23	3,541.63	76.60	47.235		
8,300.00	6,964.24	7,265.39	7,041.14	51.39	46.70	100.18	659.96	4,961.84	3,519.28	3,442.57	76.71	45.876		
8,400.00	6,965.27	7,263.82	7,039.58	53.64	46.70	100.01	659.86	4,961.88	3,420.39	3,343.55	76.84	44.513		
8,500.00	6,966.30	7,262.24	7,038.00	55.95	46.70	99.83	659.76	4,961.93	3,321.56	3,244.57	76.98	43.146		
8,600.00	6,967.33	7,260.64	7,036.41	58.30	46.69	99.66	659.67	4,961.97	3,222.80	3,145.65	77.15	41.773		
8,700.00	6,968.37	7,259.04	7,034.80	60.70	46.69	99.48	659.57	4,962.02	3,124.13	3,046.79	77.34	40.396		
8,800.00	6,969.40	7,257.42	7,033.19	63.14	46.68	99.30	659.46	4,962.06	3,025.53	2,947.98	77.55	39.013		
8,900.00	6,970.43	7,255.79	7,031.56	65.60	46.68	99.12	659.36	4,962.11	2,927.04	2,849.24	77.79	37.625		
9,000.00	6,971.46	7,254.15	7,029.92	68.10	46.67	98.94	659.26	4,962.15	2,828.64	2,750.57	78.07	36.232		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,972.49	7,252.49	7,028.27	70.63	46.67	98.75	659.16	4,962.20	2,730.37	2,651.98	78.38	34.833		
9,200.00	6,973.52	7,250.82	7,026.61	73.18	46.66	98.57	659.06	4,962.25	2,632.22	2,553.48	78.74	33.429		
9,300.00	6,974.55	7,249.14	7,024.93	75.75	46.66	98.38	658.96	4,962.30	2,534.21	2,455.07	79.15	32.018		
9,400.00	6,975.58	7,247.45	7,023.24	78.34	46.65	98.19	658.85	4,962.35	2,436.37	2,356.76	79.61	30.603		
9,500.00	6,976.61	7,245.74	7,021.54	80.94	46.65	98.00	658.75	4,962.40	2,338.71	2,258.56	80.14	29.181		
9,600.00	6,977.64	7,244.02	7,019.82	83.56	46.64	97.81	658.64	4,962.44	2,241.25	2,160.50	80.75	27.755		
9,700.00	6,978.68	7,242.29	7,018.09	86.20	46.64	97.62	658.54	4,962.49	2,144.02	2,062.58	81.45	26.324		
9,800.00	6,979.71	7,240.54	7,016.35	88.85	46.63	97.42	658.43	4,962.55	2,047.07	1,964.82	82.25	24.889		
9,900.00	6,980.74	7,238.78	7,014.59	91.51	46.63	97.22	658.33	4,962.60	1,950.41	1,867.25	83.17	23.452		
10,000.00	6,981.77	7,237.00	7,012.82	94.19	46.62	97.03	658.22	4,962.65	1,854.11	1,769.88	84.23	22.013		
10,100.00	6,982.80	7,235.22	7,011.04	96.87	46.61	96.83	658.12	4,962.70	1,758.22	1,672.77	85.46	20.574		
10,200.00	6,983.83	7,233.41	7,009.24	99.56	46.61	96.63	658.01	4,962.75	1,662.82	1,575.93	86.88	19.139		
10,300.00	6,984.86	7,231.60	7,007.42	102.27	46.60	96.42	657.90	4,962.81	1,567.98	1,479.44	88.54	17.709		
10,400.00	6,985.89	7,229.76	7,005.60	104.98	46.60	96.22	657.80	4,962.86	1,473.82	1,383.35	90.47	16.290		
10,500.00	6,986.92	7,227.92	7,003.75	107.69	46.59	96.01	657.69	4,962.91	1,380.49	1,287.75	92.74	14.886		
10,600.00	6,987.95	7,226.06	7,001.90	110.41	46.59	95.80	657.58	4,962.97	1,288.15	1,192.75	95.40	13.503		
10,700.00	6,988.99	7,224.18	7,000.02	113.14	46.58	95.59	657.47	4,963.02	1,197.04	1,098.51	98.53	12.149		
10,800.00	6,990.02	7,222.29	6,998.14	115.88	46.58	95.38	657.36	4,963.08	1,107.46	1,005.23	102.23	10.833		
10,900.00	6,991.05	7,220.38	6,996.23	118.62	46.57	95.17	657.25	4,963.14	1,019.82	913.20	106.62	9.565		
11,000.00	6,992.08	7,218.46	6,994.31	121.37	46.56	94.95	657.14	4,963.19	934.66	822.84	111.82	8.358		
11,100.00	6,993.11	7,216.52	6,992.38	124.12	46.56	94.74	657.03	4,963.25	852.72	734.74	117.99	7.227		
11,200.00	6,994.14	7,214.56	6,990.43	126.87	46.55	94.52	656.92	4,963.31	775.03	649.78	125.25	6.188		
11,300.00	6,995.17	7,212.93	6,988.79	129.63	46.55	94.33	656.82	4,963.36	703.00	569.28	133.72	5.257		
11,400.00	6,996.20	7,210.83	6,986.70	132.39	46.54	94.10	656.70	4,963.42	638.54	495.21	143.33	4.455		
11,500.00	6,997.23	7,208.74	6,984.61	135.16	46.53	93.86	656.59	4,963.48	584.17	430.40	153.77	3.799		
11,600.00	6,998.26	7,206.65	6,982.53	137.93	46.53	93.63	656.47	4,963.55	542.92	378.72	164.20	3.306		
11,700.00	6,999.30	7,204.56	6,980.45	140.70	46.52	93.40	656.35	4,963.61	517.94	344.77	173.18	2.991		
11,782.54	7,000.15	7,202.85	6,978.74	142.99	46.52	93.21	656.26	4,963.66	511.33	333.13	178.20	2.869 CC		
11,800.00	7,000.33	7,202.49	6,978.38	143.48	46.52	93.17	656.24	4,963.67	511.62	332.73	178.89	2.860 ES, SF		
11,900.00	7,001.36	7,200.42	6,976.31	146.26	46.51	92.93	656.12	4,963.74	524.64	344.51	180.13	2.913		
12,000.00	7,002.39	7,198.35	6,974.24	149.04	46.50	92.70	656.01	4,963.80	555.63	378.56	177.07	3.138		
12,100.00	7,003.42	7,196.28	6,972.18	151.82	46.50	92.47	655.90	4,963.86	601.83	430.76	171.06	3.518		
12,200.00	7,004.45	7,194.23	6,970.13	154.61	46.49	92.24	655.78	4,963.93	660.04	496.40	163.64	4.033		
12,300.00	7,005.48	7,192.18	6,968.08	157.40	46.49	92.01	655.67	4,963.99	727.40	571.43	155.97	4.664		
12,400.00	7,006.51	7,190.13	6,966.04	160.19	46.48	91.78	655.56	4,964.05	801.60	652.91	148.69	5.391		
12,500.00	7,007.54	7,188.09	6,964.00	162.98	46.47	91.55	655.45	4,964.11	880.91	738.82	142.08	6.200		
12,600.00	7,008.57	7,186.05	6,961.97	165.78	46.47	91.32	655.34	4,964.17	964.07	827.84	136.23	7.077		
12,700.00	7,009.61	7,184.02	6,959.94	168.58	46.46	91.10	655.23	4,964.24	1,050.17	919.07	131.10	8.011		
12,800.00	7,010.64	7,181.99	6,957.92	171.38	46.46	90.87	655.13	4,964.30	1,138.54	1,011.92	126.62	8.992		
12,900.00	7,011.67	7,179.97	6,955.91	174.18	46.45	90.64	655.02	4,964.36	1,228.69	1,105.97	122.72	10.012		
13,000.00	7,012.70	7,177.96	6,953.89	176.98	46.44	90.42	654.91	4,964.42	1,320.25	1,200.95	119.31	11.066		
13,100.00	7,013.73	7,175.95	6,951.89	179.78	46.44	90.19	654.81	4,964.48	1,412.96	1,296.64	116.32	12.147		
13,200.00	7,014.76	7,173.94	6,949.88	182.59	46.43	89.97	654.70	4,964.54	1,506.60	1,392.91	113.70	13.251		
13,300.00	7,015.79	7,171.94	6,947.89	185.39	46.43	89.75	654.60	4,964.60	1,601.01	1,489.63	111.38	14.374		
13,400.00	7,016.82	7,169.95	6,945.90	188.20	46.42	89.52	654.50	4,964.66	1,696.05	1,586.72	109.33	15.514		
13,500.00	7,017.85	7,167.96	6,943.91	191.01	46.42	89.30	654.39	4,964.72	1,791.63	1,684.13	107.50	16.666		
13,600.00	7,018.88	7,165.97	6,941.93	193.82	46.41	89.08	654.29	4,964.78	1,887.67	1,781.80	105.88	17.829		
13,700.00	7,019.91	7,163.99	6,939.95	196.63	46.40	88.86	654.19	4,964.84	1,984.10	1,879.68	104.42	19.001		
13,800.00	7,020.95	7,162.01	6,937.98	199.44	46.40	88.64	654.09	4,964.90	2,080.86	1,977.75	103.11	20.181		
13,900.00	7,021.98	7,160.04	6,936.01	202.26	46.39	88.42	653.99	4,964.96	2,177.92	2,075.98	101.93	21.366		
14,000.00	7,023.01	7,158.08	6,934.05	205.07	46.39	88.20	653.89	4,965.02	2,275.22	2,174.36	100.87	22.557		
14,100.00	7,024.04	7,156.12	6,932.09	207.89	46.38	87.98	653.79	4,965.08	2,372.75	2,272.85	99.90	23.751		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,025.07	7,154.16	6,930.14	210.70	46.37	87.77	653.70	4,965.13	2,470.48	2,371.45	99.02	24.948		
14,300.00	7,026.10	7,152.21	6,928.19	213.52	46.37	87.55	653.60	4,965.19	2,568.38	2,470.15	98.23	26.147		
14,400.00	7,027.13	7,150.26	6,926.24	216.34	46.36	87.33	653.50	4,965.25	2,666.43	2,568.93	97.50	27.348		
14,500.00	7,028.16	7,148.32	6,924.31	219.16	46.36	87.12	653.41	4,965.31	2,764.62	2,667.79	96.83	28.550		
14,600.00	7,029.19	7,146.38	6,922.37	221.98	46.35	86.90	653.31	4,965.37	2,862.94	2,766.72	96.23	29.752		
14,700.00	7,030.22	7,144.45	6,920.44	224.80	46.35	86.69	653.22	4,965.42	2,961.37	2,865.70	95.67	30.955		
14,800.00	7,031.26	7,142.52	6,918.52	227.62	46.34	86.48	653.13	4,965.48	3,059.90	2,964.74	95.15	32.157		
14,900.00	7,032.29	7,140.60	6,916.60	230.44	46.34	86.26	653.03	4,965.54	3,158.52	3,063.83	94.68	33.359		
15,000.00	7,033.32	7,138.68	6,914.68	233.26	46.33	86.05	652.94	4,965.60	3,257.22	3,162.97	94.25	34.560		
15,100.00	7,034.35	7,136.77	6,912.77	236.09	46.32	85.84	652.85	4,965.65	3,356.00	3,262.15	93.85	35.759		
15,200.00	7,035.38	7,134.86	6,910.87	238.91	46.32	85.63	652.76	4,965.71	3,454.84	3,361.36	93.48	36.958		
15,300.00	7,036.41	7,132.96	6,908.97	241.74	46.31	85.42	652.67	4,965.77	3,553.76	3,460.61	93.14	38.154		
15,400.00	7,037.44	7,131.06	6,907.07	244.56	46.31	85.21	652.58	4,965.82	3,652.73	3,559.90	92.83	39.349		
15,500.00	7,038.47	7,129.16	6,905.18	247.39	46.30	85.00	652.49	4,965.88	3,751.75	3,659.21	92.54	40.543		
15,600.00	7,039.50	7,127.27	6,903.29	250.21	46.30	84.79	652.40	4,965.93	3,850.82	3,758.55	92.27	41.734		
15,700.00	7,040.53	7,125.39	6,901.41	253.04	46.29	84.59	652.31	4,965.99	3,949.94	3,857.92	92.02	42.923		
15,800.00	7,041.57	7,123.50	6,899.53	255.87	46.29	84.38	652.23	4,966.04	4,049.10	3,957.31	91.79	44.110		
15,900.00	7,042.60	7,121.63	6,897.66	258.70	46.28	84.17	652.14	4,966.10	4,148.30	4,056.72	91.58	45.295		
16,000.00	7,043.63	7,119.76	6,895.79	261.53	46.27	83.97	652.05	4,966.15	4,247.54	4,156.15	91.39	46.477		
16,100.00	7,044.66	7,117.89	6,893.92	264.35	46.27	83.77	651.97	4,966.21	4,346.81	4,255.60	91.21	47.657		
16,200.00	7,045.69	7,116.03	6,892.06	267.18	46.26	83.56	651.89	4,966.26	4,446.11	4,355.07	91.04	48.835		
16,300.00	7,046.72	7,114.17	6,890.21	270.01	46.26	83.36	651.80	4,966.32	4,545.45	4,454.55	90.89	50.009		
16,400.00	7,047.75	7,112.31	6,888.36	272.84	46.25	83.16	651.72	4,966.37	4,644.81	4,554.06	90.75	51.182		
16,500.00	7,048.78	7,110.46	6,886.51	275.67	46.25	82.96	651.64	4,966.43	4,744.19	4,653.57	90.62	52.351		
16,600.00	7,049.81	7,108.62	6,884.67	278.51	46.24	82.76	651.55	4,966.48	4,843.61	4,753.10	90.51	53.517		
16,700.00	7,050.84	7,106.78	6,882.83	281.34	46.24	82.56	651.47	4,966.54	4,943.04	4,852.64	90.40	54.681		
16,800.00	7,051.88	7,104.94	6,881.00	284.17	46.23	82.36	651.39	4,966.59	5,042.50	4,952.20	90.30	55.842		
16,900.00	7,052.91	7,103.11	6,879.17	287.00	46.23	82.16	651.31	4,966.64	5,141.97	5,051.76	90.21	57.000		
17,000.00	7,053.94	7,101.28	6,877.34	289.83	46.22	81.96	651.23	4,966.70	5,241.47	5,151.34	90.13	58.155		
17,100.00	7,054.97	7,100.00	6,876.06	292.67	46.22	81.82	651.18	4,966.73	5,340.98	5,250.93	90.06	59.306		
17,200.00	7,056.00	7,100.00	6,876.06	295.50	46.22	81.82	651.18	4,966.73	5,440.52	5,350.52	90.00	60.452		
17,300.00	7,057.03	7,100.00	6,876.06	298.33	46.22	81.82	651.18	4,966.73	5,540.06	5,450.12	89.94	61.595		
17,400.00	7,058.06	7,100.00	6,876.06	301.17	46.22	81.82	651.18	4,966.73	5,639.63	5,549.73	89.90	62.735		
17,500.00	7,059.09	7,094.16	6,870.23	304.00	46.20	81.19	650.92	4,966.90	5,739.20	5,649.36	89.84	63.882		
17,600.00	7,060.12	7,092.84	6,868.91	306.84	46.20	81.05	650.87	4,966.94	5,838.80	5,748.99	89.80	65.017		
17,685.09	7,061.00	7,091.72	6,867.79	309.25	46.19	80.93	650.82	4,966.97	5,923.55	5,833.77	89.78	65.981		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	98.04	-786.62	5,568.20	5,623.71					
100.00	100.00	54.09	54.09	3.28	3.28	98.04	-786.60	5,568.18	5,623.47	5,616.90	6.57	856.342		
200.00	200.00	162.28	162.28	3.34	3.30	98.04	-786.45	5,568.04	5,623.32	5,616.69	6.64	847.355		
242.23	242.23	207.97	207.97	3.38	3.31	100.94	-786.34	5,567.94	5,623.28	5,616.59	6.69	840.850		
300.00	299.98	270.45	270.45	3.45	3.33	100.95	-786.15	5,567.77	5,623.36	5,616.58	6.78	829.655		
400.00	399.84	378.51	378.51	3.61	3.38	101.00	-785.70	5,567.35	5,623.92	5,616.94	6.99	804.991		
500.00	499.45	486.34	486.34	3.82	3.45	101.06	-785.11	5,566.80	5,625.01	5,617.76	7.26	775.281		
600.00	598.70	593.84	593.83	4.07	3.53	101.16	-784.36	5,566.12	5,626.64	5,619.06	7.58	742.337		
680.00	677.76	679.51	679.49	4.29	3.60	101.25	-783.66	5,565.48	5,628.35	5,620.48	7.87	714.717		
700.00	697.48	700.89	700.87	4.35	3.62	101.28	-783.48	5,565.30	5,628.82	5,620.87	7.95	707.736		
800.00	796.08	807.80	807.78	4.66	3.73	101.45	-782.44	5,564.35	5,631.12	5,622.75	8.37	672.745		
900.00	894.68	914.76	914.73	4.98	3.85	101.62	-781.26	5,563.27	5,633.31	5,624.49	8.82	638.435		
1,000.00	993.28	1,021.77	1,021.72	5.34	3.98	101.79	-779.94	5,562.05	5,635.41	5,626.10	9.31	605.476		
1,100.00	1,091.88	1,128.82	1,128.75	5.71	4.11	101.95	-778.46	5,560.69	5,637.40	5,627.58	9.82	574.250		
1,200.00	1,190.48	1,235.92	1,235.82	6.10	4.26	102.11	-776.84	5,559.20	5,639.28	5,628.94	10.35	544.939		
1,300.00	1,289.07	1,345.89	1,345.77	6.49	4.48	102.28	-775.03	5,557.52	5,641.06	5,630.09	10.96	514.470		
1,400.00	1,387.67	1,443.52	1,443.37	6.90	4.78	102.43	-773.45	5,555.85	5,642.70	5,631.03	11.67	483.442		
1,500.00	1,486.27	1,532.37	1,532.20	7.31	5.07	102.57	-772.37	5,554.45	5,644.57	5,632.20	12.38	456.123		
1,600.00	1,584.87	1,664.69	1,664.49	7.73	5.53	102.78	-770.92	5,552.19	5,646.43	5,633.18	13.25	426.168		
1,700.00	1,683.47	1,786.84	1,786.60	8.16	5.97	102.98	-770.36	5,549.10	5,647.57	5,633.46	14.11	400.234		
1,800.00	1,782.07	3,122.33	3,104.33	8.59	11.56	105.69	-786.16	5,368.10	5,643.46	5,623.77	19.69	286.574		
1,900.00	1,880.67	3,313.84	3,288.99	9.02	12.50	106.16	-790.54	5,317.63	5,621.73	5,600.81	20.92	268.698		
2,000.00	1,979.27	3,365.00	3,338.45	9.46	12.75	106.28	-791.01	5,304.56	5,600.76	5,579.16	21.60	259.266		
2,100.00	2,077.87	3,365.00	3,338.45	9.90	12.75	106.28	-791.01	5,304.56	5,580.74	5,558.65	22.08	252.701		
2,200.00	2,176.47	3,434.00	3,405.39	10.35	13.09	106.44	-792.14	5,287.86	5,561.70	5,538.85	22.85	243.451		
2,300.00	2,275.07	3,743.00	3,703.62	10.79	14.67	107.24	-801.52	5,207.69	5,541.22	5,516.64	24.58	225.471		
2,400.00	2,373.67	3,968.65	3,919.25	11.24	15.88	107.88	-810.38	5,141.83	5,517.90	5,491.92	25.99	212.339		
2,500.00	2,472.27	4,021.00	3,969.12	11.69	16.17	108.02	-812.26	5,126.00	5,493.84	5,467.12	26.71	205.681		
2,600.00	2,570.87	4,059.49	4,005.89	12.14	16.38	108.13	-813.67	5,114.69	5,470.76	5,443.38	27.38	199.798		
2,700.00	2,669.47	4,115.00	4,059.22	12.59	16.68	108.29	-815.91	5,099.48	5,449.25	5,421.13	28.12	193.762		
2,800.00	2,768.07	4,115.00	4,059.22	13.04	16.68	108.29	-815.91	5,099.48	5,428.51	5,399.87	28.64	189.525		
2,900.00	2,866.67	4,153.78	4,096.67	13.50	16.88	108.40	-817.51	5,089.51	5,409.22	5,379.90	29.32	184.503		
3,000.00	2,965.27	4,208.00	4,149.19	13.95	17.17	108.55	-819.60	5,076.25	5,391.05	5,360.99	30.06	179.363		
3,100.00	3,063.87	4,234.11	4,174.56	14.41	17.30	108.62	-820.56	5,070.14	5,373.88	5,343.20	30.68	175.162		
3,200.00	3,162.47	4,274.51	4,213.89	14.87	17.51	108.73	-822.04	5,061.03	5,357.84	5,326.48	31.36	170.849		
3,300.00	3,261.07	4,302.00	4,240.71	15.32	17.65	108.80	-823.04	5,055.06	5,342.95	5,310.96	31.99	167.038		
3,400.00	3,359.67	4,354.09	4,291.65	15.78	17.91	108.94	-824.87	5,044.34	5,329.10	5,296.39	32.71	162.912		
3,500.00	3,458.27	4,396.00	4,332.75	16.24	18.11	109.05	-826.23	5,036.27	5,316.42	5,283.03	33.39	159.206		
3,600.00	3,556.87	4,451.14	4,386.94	16.70	18.38	109.19	-827.87	5,026.20	5,304.72	5,270.59	34.13	155.439		
3,700.00	3,655.47	4,490.00	4,425.18	17.16	18.57	109.29	-828.92	5,019.35	5,293.87	5,259.08	34.79	152.159		
3,800.00	3,754.06	4,540.89	4,475.35	17.62	18.81	109.41	-830.18	5,010.93	5,284.04	5,248.54	35.50	148.837		
3,900.00	3,852.66	4,583.00	4,516.97	18.08	19.01	109.51	-831.13	5,004.57	5,275.43	5,239.25	36.17	145.836		
4,000.00	3,951.26	4,583.00	4,516.97	18.54	19.01	109.51	-831.13	5,004.57	5,268.27	5,231.61	36.66	143.715		
4,100.00	4,049.86	4,641.53	4,574.97	19.01	19.28	109.65	-832.30	4,996.86	5,261.97	5,224.58	37.39	140.739		
4,200.00	4,148.46	4,677.00	4,610.22	19.47	19.44	109.73	-832.92	4,992.93	5,257.23	5,219.22	38.02	138.293		
4,300.00	4,247.06	4,722.56	4,655.55	19.93	19.64	109.82	-833.51	4,988.44	5,253.65	5,214.97	38.68	135.828		
4,400.00	4,345.66	4,771.00	4,703.80	20.39	19.85	109.92	-833.80	4,984.14	5,250.99	5,211.64	39.35	133.437		
4,500.00	4,444.26	4,817.08	4,749.74	20.86	20.05	110.01	-833.71	4,980.63	5,249.35	5,209.34	40.01	131.211		
4,600.00	4,542.86	4,864.00	4,796.57	21.32	20.25	110.10	-833.17	4,977.77	5,248.83	5,208.17	40.66	129.085		
4,602.98	4,545.80	4,864.00	4,796.57	21.33	20.25	110.10	-833.17	4,977.77	5,248.83	5,208.15	40.68	129.043		
4,700.00	4,641.46	4,902.80	4,835.32	21.78	20.41	110.16	-832.58	4,975.87	5,249.40	5,208.13	41.27	127.189		
4,800.00	4,740.06	4,958.00	4,890.48	22.25	20.64	110.26	-831.89	4,973.79	5,251.09	5,209.14	41.95	125.164		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,838.66	5,000.92	4,933.38	22.71	20.81	110.33	-831.47	4,972.56	5,253.73	5,211.16	42.57	123.405		
5,000.00	4,937.26	5,062.47	4,994.91	23.18	21.06	110.44	-831.08	4,971.15	5,257.21	5,213.93	43.28	121.482		
5,100.00	5,035.86	5,065.90	4,998.34	23.64	21.08	110.44	-831.06	4,971.09	5,261.92	5,218.22	43.70	120.421		
5,200.00	5,134.46	5,065.90	4,998.34	24.11	21.08	110.44	-831.06	4,971.09	5,268.52	5,224.44	44.08	119.510		
5,300.00	5,233.06	5,065.90	4,998.34	24.57	21.08	110.44	-831.06	4,971.09	5,277.01	5,232.55	44.46	118.699		
5,400.00	5,331.66	5,065.90	4,998.34	25.04	21.08	110.44	-831.06	4,971.09	5,287.38	5,242.57	44.81	117.987		
5,500.00	5,430.26	5,065.90	4,998.34	25.50	21.08	110.44	-831.06	4,971.09	5,299.61	5,254.46	45.15	117.370		
5,600.00	5,528.86	5,065.90	4,998.34	25.97	21.08	110.44	-831.06	4,971.09	5,313.70	5,268.23	45.48	116.846		
5,700.00	5,627.46	5,065.90	4,998.34	26.43	21.08	110.44	-831.06	4,971.09	5,329.63	5,283.85	45.78	116.411		
5,800.00	5,726.06	5,065.90	4,998.34	26.90	21.08	110.44	-831.06	4,971.09	5,347.38	5,301.31	46.07	116.064		
5,900.00	5,824.66	5,065.90	4,998.34	27.36	21.08	110.44	-831.06	4,971.09	5,366.94	5,320.59	46.35	115.801		
6,000.00	5,923.26	5,065.90	4,998.34	27.83	21.08	110.44	-831.06	4,971.09	5,388.28	5,341.68	46.60	115.620		
6,100.00	6,021.86	5,065.90	4,998.34	28.30	21.08	110.44	-831.06	4,971.09	5,411.39	5,364.54	46.84	115.519		
6,200.00	6,120.46	5,065.90	4,998.34	28.76	21.08	110.44	-831.06	4,971.09	5,436.23	5,389.17	47.07	115.496		
6,300.00	6,219.06	5,065.90	4,998.34	29.23	21.08	110.44	-831.06	4,971.09	5,462.80	5,415.52	47.28	115.548		
6,405.66	6,323.24	5,065.90	4,998.34	29.72	21.08	110.44	-831.06	4,971.09	5,492.71	5,445.23	47.48	115.681		
6,450.00	6,366.93	5,065.90	4,998.34	29.93	21.08	87.43	-831.06	4,971.09	5,504.40	5,456.85	47.56	115.738		
6,500.00	6,415.96	5,065.90	4,998.34	30.15	21.08	67.74	-831.06	4,971.09	5,514.57	5,466.93	47.64	115.755		
6,550.00	6,464.44	5,065.90	4,998.34	30.37	21.08	55.16	-831.06	4,971.09	5,521.49	5,473.78	47.71	115.725		
6,600.00	6,512.08	5,065.90	4,998.34	30.58	21.08	47.20	-831.06	4,971.09	5,525.14	5,477.36	47.78	115.648		
6,650.00	6,558.58	5,065.90	4,998.34	30.78	21.08	41.96	-831.06	4,971.09	5,525.49	5,477.66	47.83	115.524		
6,700.00	6,603.65	5,065.90	4,998.34	30.97	21.08	38.40	-831.06	4,971.09	5,522.55	5,474.67	47.88	115.351		
6,750.00	6,647.02	5,065.90	4,998.34	31.15	21.08	35.93	-831.06	4,971.09	5,516.33	5,468.41	47.91	115.129		
6,800.00	6,688.42	5,065.90	4,998.34	31.31	21.08	34.21	-831.06	4,971.09	5,506.85	5,458.90	47.95	114.854		
6,850.00	6,727.59	5,065.90	4,998.34	31.46	21.08	33.05	-831.06	4,971.09	5,494.16	5,446.19	47.97	114.526		
6,900.00	6,764.29	5,065.90	4,998.34	31.60	21.08	32.32	-831.06	4,971.09	5,478.31	5,430.32	48.00	114.140		
6,950.00	6,798.30	5,065.90	4,998.34	31.73	21.08	31.97	-831.06	4,971.09	5,459.38	5,411.36	48.02	113.695		
7,000.00	6,829.41	5,065.90	4,998.34	31.84	21.08	31.95	-831.06	4,971.09	5,437.45	5,389.41	48.04	113.186		
7,050.00	6,857.42	5,065.90	4,998.34	32.03	21.08	32.23	-831.06	4,971.09	5,412.62	5,364.55	48.06	112.611		
7,100.00	6,882.16	5,065.90	4,998.34	32.36	21.08	32.83	-831.06	4,971.09	5,385.00	5,336.91	48.09	111.967		
7,150.00	6,903.48	5,065.90	4,998.34	32.73	21.08	33.76	-831.06	4,971.09	5,354.72	5,306.59	48.13	111.254		
7,200.00	6,921.25	5,065.90	4,998.34	33.15	21.08	35.05	-831.06	4,971.09	5,321.93	5,273.76	48.18	110.470		
7,250.00	6,935.36	5,065.90	4,998.34	33.61	21.08	36.77	-831.06	4,971.09	5,286.78	5,238.55	48.23	109.616		
7,300.00	6,945.72	5,065.90	4,998.34	34.11	21.08	38.98	-831.06	4,971.09	5,249.45	5,201.15	48.30	108.694		
7,350.00	6,952.26	5,065.90	4,998.34	34.65	21.08	41.81	-831.06	4,971.09	5,210.12	5,161.74	48.37	107.706		
7,403.14	6,955.00	5,065.90	4,998.34	35.26	21.08	45.67	-831.06	4,971.09	5,166.34	5,117.87	48.47	106.588		
7,500.00	6,955.99	5,065.90	4,998.34	36.49	21.08	45.67	-831.06	4,971.09	5,085.12	5,036.45	48.67	104.474		
7,600.00	6,957.03	5,065.90	4,998.34	37.93	21.08	45.67	-831.06	4,971.09	5,001.86	4,952.92	48.93	102.217		
7,700.00	6,958.06	5,065.90	4,998.34	39.52	21.08	45.67	-831.06	4,971.09	4,919.21	4,869.96	49.25	99.879		
7,800.00	6,959.09	5,065.90	4,998.34	41.25	21.08	45.67	-831.06	4,971.09	4,837.23	4,787.60	49.63	97.463		
7,900.00	6,960.12	5,065.90	4,998.34	43.09	21.08	45.67	-831.06	4,971.09	4,755.93	4,705.85	50.08	94.974		
8,000.00	6,961.15	5,065.90	4,998.34	45.04	21.08	45.67	-831.06	4,971.09	4,675.35	4,624.77	50.59	92.419		
8,100.00	6,962.18	5,065.90	4,998.34	47.08	21.08	45.67	-831.06	4,971.09	4,595.55	4,544.37	51.17	89.806		
8,200.00	6,963.21	5,065.90	4,998.34	49.20	21.08	45.67	-831.06	4,971.09	4,516.54	4,464.71	51.83	87.143		
8,300.00	6,964.24	5,065.90	4,998.34	51.39	21.08	45.67	-831.06	4,971.09	4,438.38	4,385.82	52.56	84.441		
8,400.00	6,965.27	5,065.90	4,998.34	53.64	21.08	45.67	-831.06	4,971.09	4,361.11	4,307.74	53.37	81.709		
8,500.00	6,966.30	5,065.90	4,998.34	55.95	21.08	45.67	-831.06	4,971.09	4,284.79	4,230.52	54.27	78.960		
8,600.00	6,967.33	5,065.90	4,998.34	58.30	21.08	45.67	-831.06	4,971.09	4,209.45	4,154.21	55.24	76.204		
8,700.00	6,968.37	5,065.90	4,998.34	60.70	21.08	45.67	-831.06	4,971.09	4,135.16	4,078.87	56.30	73.453		
8,800.00	6,969.40	5,065.90	4,998.34	63.14	21.08	45.67	-831.06	4,971.09	4,061.98	4,004.54	57.44	70.718		
8,900.00	6,970.43	5,065.90	4,998.34	65.60	21.08	45.67	-831.06	4,971.09	3,989.96	3,931.29	58.67	68.010		
9,000.00	6,971.46	5,065.90	4,998.34	68.10	21.08	45.67	-831.06	4,971.09	3,919.17	3,859.18	59.98	65.340		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	6,972.49	5,065.90	4,998.34	70.63	21.08	45.67	-831.06	4,971.09	3,849.67	3,788.29	61.38	62.716		
9,200.00	6,973.52	5,065.90	4,998.34	73.18	21.08	45.67	-831.06	4,971.09	3,781.54	3,718.67	62.87	60.147		
9,300.00	6,974.55	5,065.90	4,998.34	75.75	21.08	45.67	-831.06	4,971.09	3,714.85	3,650.41	64.45	57.643		
9,400.00	6,975.58	5,065.90	4,998.34	78.34	21.08	45.67	-831.06	4,971.09	3,649.69	3,583.58	66.11	55.208		
9,500.00	6,976.61	5,065.90	4,998.34	80.94	21.08	45.67	-831.06	4,971.09	3,586.13	3,518.27	67.85	52.851		
9,600.00	6,977.64	5,065.90	4,998.34	83.56	21.08	45.67	-831.06	4,971.09	3,524.26	3,454.58	69.68	50.575		
9,700.00	6,978.68	5,065.90	4,998.34	86.20	21.08	45.67	-831.06	4,971.09	3,464.17	3,392.58	71.60	48.385		
9,800.00	6,979.71	5,065.90	4,998.34	88.85	21.08	45.67	-831.06	4,971.09	3,405.96	3,332.38	73.59	46.284		
9,900.00	6,980.74	5,065.90	4,998.34	91.51	21.08	45.67	-831.06	4,971.09	3,349.73	3,274.07	75.66	44.276		
10,000.00	6,981.77	5,065.90	4,998.34	94.19	21.08	45.67	-831.06	4,971.09	3,295.57	3,217.77	77.80	42.361		
10,100.00	6,982.80	5,065.90	4,998.34	96.87	21.08	45.67	-831.06	4,971.09	3,243.59	3,163.58	80.01	40.541		
10,200.00	6,983.83	5,065.90	4,998.34	99.56	21.08	45.67	-831.06	4,971.09	3,193.89	3,111.61	82.28	38.817		
10,300.00	6,984.86	5,065.90	4,998.34	102.27	21.08	45.67	-831.06	4,971.09	3,146.59	3,061.98	84.61	37.188		
10,400.00	6,985.89	5,065.90	4,998.34	104.98	21.08	45.67	-831.06	4,971.09	3,101.80	3,014.80	87.00	35.655		
10,500.00	6,986.92	5,065.90	4,998.34	107.69	21.08	45.67	-831.06	4,971.09	3,059.61	2,970.19	89.42	34.215		
10,600.00	6,987.95	5,065.90	4,998.34	110.41	21.08	45.67	-831.06	4,971.09	3,020.15	2,928.27	91.89	32.869		
10,700.00	6,988.99	5,065.90	4,998.34	113.14	21.08	45.67	-831.06	4,971.09	2,983.52	2,889.15	94.37	31.614		
10,800.00	6,990.02	5,065.90	4,998.34	115.88	21.08	45.67	-831.06	4,971.09	2,949.83	2,852.95	96.88	30.448		
10,900.00	6,991.05	5,065.90	4,998.34	118.62	21.08	45.67	-831.06	4,971.09	2,919.18	2,819.79	99.39	29.370		
11,000.00	6,992.08	5,065.90	4,998.34	121.37	21.08	45.67	-831.06	4,971.09	2,891.66	2,789.76	101.90	28.378		
11,100.00	6,993.11	5,065.90	4,998.34	124.12	21.08	45.67	-831.06	4,971.09	2,867.36	2,762.98	104.39	27.469		
11,200.00	6,994.14	5,065.90	4,998.34	126.87	21.08	45.67	-831.06	4,971.09	2,846.38	2,739.53	106.84	26.640		
11,300.00	6,995.17	5,065.90	4,998.34	129.63	21.08	45.67	-831.06	4,971.09	2,828.77	2,719.51	109.26	25.890		
11,400.00	6,996.20	5,065.90	4,998.34	132.39	21.08	45.67	-831.06	4,971.09	2,814.61	2,702.99	111.62	25.216		
11,500.00	6,997.23	5,065.90	4,998.34	135.16	21.08	45.67	-831.06	4,971.09	2,803.95	2,690.04	113.92	24.614		
11,600.00	6,998.26	5,065.90	4,998.34	137.93	21.08	45.67	-831.06	4,971.09	2,796.83	2,680.70	116.13	24.083		
11,700.00	6,999.30	5,065.90	4,998.34	140.70	21.08	45.67	-831.06	4,971.09	2,793.27	2,675.01	118.26	23.620		
11,749.54	6,999.81	5,065.90	4,998.34	142.08	21.08	45.67	-831.06	4,971.09	2,792.83	2,673.55	119.27	23.415 CC		
11,800.00	7,000.33	5,065.90	4,998.34	143.48	21.08	45.67	-831.06	4,971.09	2,793.28	2,673.00	120.28	23.223 ES		
11,900.00	7,001.36	5,065.90	4,998.34	146.26	21.08	45.67	-831.06	4,971.09	2,796.88	2,674.68	122.20	22.888		
12,000.00	7,002.39	5,065.90	4,998.34	149.04	21.08	45.67	-831.06	4,971.09	2,804.03	2,680.04	124.00	22.613		
12,100.00	7,003.42	5,065.90	4,998.34	151.82	21.08	45.67	-831.06	4,971.09	2,814.73	2,689.05	125.68	22.397		
12,200.00	7,004.45	5,065.90	4,998.34	154.61	21.08	45.67	-831.06	4,971.09	2,828.92	2,701.69	127.23	22.235		
12,300.00	7,005.48	5,065.90	4,998.34	157.40	21.08	45.67	-831.06	4,971.09	2,846.56	2,717.91	128.65	22.127		
12,400.00	7,006.51	5,065.90	4,998.34	160.19	21.08	45.67	-831.06	4,971.09	2,867.57	2,737.64	129.94	22.069		
12,500.00	7,007.54	5,065.90	4,998.34	162.98	21.08	45.67	-831.06	4,971.09	2,891.90	2,760.80	131.09	22.060 SF		
12,600.00	7,008.57	5,065.90	4,998.34	165.78	21.08	45.67	-831.06	4,971.09	2,919.44	2,787.33	132.12	22.097		
12,700.00	7,009.61	5,065.90	4,998.34	168.58	21.08	45.67	-831.06	4,971.09	2,950.13	2,817.11	133.02	22.179		
12,800.00	7,010.64	5,065.90	4,998.34	171.38	21.08	45.67	-831.06	4,971.09	2,983.85	2,850.06	133.79	22.302		
12,900.00	7,011.67	5,065.90	4,998.34	174.18	21.08	45.67	-831.06	4,971.09	3,020.50	2,886.05	134.45	22.466		
13,000.00	7,012.70	5,065.90	4,998.34	176.98	21.08	45.67	-831.06	4,971.09	3,059.99	2,925.00	134.99	22.668		
13,100.00	7,013.73	5,065.90	4,998.34	179.78	21.08	45.67	-831.06	4,971.09	3,102.20	2,966.77	135.42	22.907		
13,200.00	7,014.76	5,065.90	4,998.34	182.59	21.08	45.67	-831.06	4,971.09	3,147.02	3,011.26	135.76	23.181		
13,300.00	7,015.79	5,065.90	4,998.34	185.39	21.08	45.67	-831.06	4,971.09	3,194.34	3,058.34	136.00	23.488		
13,400.00	7,016.82	5,065.90	4,998.34	188.20	21.08	45.67	-831.06	4,971.09	3,244.05	3,107.90	136.15	23.826		
13,500.00	7,017.85	5,065.90	4,998.34	191.01	21.08	45.67	-831.06	4,971.09	3,296.06	3,159.83	136.23	24.195		
13,600.00	7,018.88	5,065.90	4,998.34	193.82	21.08	45.67	-831.06	4,971.09	3,350.23	3,214.01	136.23	24.593		
13,700.00	7,019.91	5,065.90	4,998.34	196.63	21.08	45.67	-831.06	4,971.09	3,406.49	3,270.32	136.16	25.018		
13,800.00	7,020.95	5,065.90	4,998.34	199.44	21.08	45.67	-831.06	4,971.09	3,464.72	3,328.68	136.04	25.469		
13,900.00	7,021.98	5,065.90	4,998.34	202.26	21.08	45.67	-831.06	4,971.09	3,524.82	3,388.96	135.86	25.944		
14,000.00	7,023.01	5,065.90	4,998.34	205.07	21.08	45.67	-831.06	4,971.09	3,586.70	3,451.07	135.63	26.444		
14,100.00	7,024.04	5,065.90	4,998.34	207.89	21.08	45.67	-831.06	4,971.09	3,650.28	3,514.91	135.37	26.966		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,025.07	5,065.90	4,998.34	210.70	21.08	45.67	-831.06	4,971.09	3,715.46	3,580.40	135.06	27.509		
14,300.00	7,026.10	5,065.90	4,998.34	213.52	21.08	45.67	-831.06	4,971.09	3,782.16	3,647.43	134.72	28.073		
14,400.00	7,027.13	5,065.90	4,998.34	216.34	21.08	45.67	-831.06	4,971.09	3,850.30	3,715.94	134.36	28.657		
14,500.00	7,028.16	5,065.90	4,998.34	219.16	21.08	45.67	-831.06	4,971.09	3,919.81	3,785.84	133.97	29.259		
14,600.00	7,029.19	5,065.90	4,998.34	221.98	21.08	45.67	-831.06	4,971.09	3,990.61	3,857.05	133.56	29.879		
14,700.00	7,030.22	5,065.90	4,998.34	224.80	21.08	45.67	-831.06	4,971.09	4,062.64	3,929.51	133.13	30.516		
14,800.00	7,031.26	5,065.90	4,998.34	227.62	21.08	45.67	-831.06	4,971.09	4,135.84	4,003.15	132.69	31.169		
14,900.00	7,032.29	5,065.90	4,998.34	230.44	21.08	45.67	-831.06	4,971.09	4,210.14	4,077.90	132.24	31.838		
15,000.00	7,033.32	5,065.90	4,998.34	233.26	21.08	45.67	-831.06	4,971.09	4,285.48	4,153.71	131.78	32.521		
15,100.00	7,034.35	5,065.90	4,998.34	236.09	21.08	45.67	-831.06	4,971.09	4,361.82	4,230.51	131.31	33.218		
15,200.00	7,035.38	5,065.90	4,998.34	238.91	21.08	45.67	-831.06	4,971.09	4,439.09	4,308.26	130.84	33.929		
15,300.00	7,036.41	5,065.90	4,998.34	241.74	21.08	45.67	-831.06	4,971.09	4,517.26	4,386.90	130.36	34.652		
15,400.00	7,037.44	5,065.90	4,998.34	244.56	21.08	45.67	-831.06	4,971.09	4,596.27	4,466.39	129.88	35.388		
15,500.00	7,038.47	5,065.90	4,998.34	247.39	21.08	45.67	-831.06	4,971.09	4,676.09	4,546.69	129.40	36.136		
15,600.00	7,039.50	5,065.90	4,998.34	250.21	21.08	45.67	-831.06	4,971.09	4,756.67	4,627.74	128.93	36.894		
15,700.00	7,040.53	5,065.90	4,998.34	253.04	21.08	45.67	-831.06	4,971.09	4,837.97	4,709.52	128.45	37.663		
15,800.00	7,041.57	5,065.90	4,998.34	255.87	21.08	45.67	-831.06	4,971.09	4,919.97	4,791.99	127.98	38.443		
15,900.00	7,042.60	5,065.90	4,998.34	258.70	21.08	45.67	-831.06	4,971.09	5,002.62	4,875.10	127.51	39.232		
16,000.00	7,043.63	5,065.90	4,998.34	261.53	21.08	45.67	-831.06	4,971.09	5,085.89	4,958.84	127.05	40.030		
16,100.00	7,044.66	5,065.90	4,998.34	264.35	21.08	45.67	-831.06	4,971.09	5,169.75	5,043.16	126.59	40.838		
16,200.00	7,045.69	5,065.90	4,998.34	267.18	21.08	45.67	-831.06	4,971.09	5,254.18	5,128.04	126.14	41.653		
16,300.00	7,046.72	5,065.90	4,998.34	270.01	21.08	45.67	-831.06	4,971.09	5,339.15	5,213.46	125.69	42.477		
16,400.00	7,047.75	5,065.90	4,998.34	272.84	21.08	45.67	-831.06	4,971.09	5,424.63	5,299.38	125.25	43.309		
16,500.00	7,048.78	5,065.90	4,998.34	275.67	21.08	45.67	-831.06	4,971.09	5,510.60	5,385.78	124.82	44.148		
16,600.00	7,049.81	5,065.90	4,998.34	278.51	21.08	45.67	-831.06	4,971.09	5,597.04	5,472.64	124.39	44.994		
16,700.00	7,050.84	5,065.90	4,998.34	281.34	21.08	45.67	-831.06	4,971.09	5,683.92	5,559.94	123.97	45.847		
16,800.00	7,051.88	5,065.90	4,998.34	284.17	21.08	45.67	-831.06	4,971.09	5,771.22	5,647.66	123.56	46.707		
16,900.00	7,052.91	5,065.90	4,998.34	287.00	21.08	45.67	-831.06	4,971.09	5,858.93	5,735.77	123.16	47.572		
17,000.00	7,053.94	5,065.90	4,998.34	289.83	21.08	45.67	-831.06	4,971.09	5,947.03	5,824.27	122.76	48.444		
17,100.00	7,054.97	5,065.90	4,998.34	292.67	21.08	45.67	-831.06	4,971.09	6,035.50	5,913.13	122.37	49.321		
17,200.00	7,056.00	5,065.90	4,998.34	295.50	21.08	45.67	-831.06	4,971.09	6,124.33	6,002.34	121.99	50.204		
17,300.00	7,057.03	5,065.90	4,998.34	298.33	21.08	45.67	-831.06	4,971.09	6,213.49	6,091.88	121.62	51.091		
17,400.00	7,058.06	5,065.90	4,998.34	301.17	21.08	45.67	-831.06	4,971.09	6,302.98	6,181.73	121.25	51.984		
17,500.00	7,059.09	5,065.90	4,998.34	304.00	21.08	45.67	-831.06	4,971.09	6,392.78	6,271.89	120.89	52.881		
17,600.00	7,060.12	5,065.90	4,998.34	306.84	21.08	45.67	-831.06	4,971.09	6,482.88	6,362.34	120.54	53.783		
17,685.09	7,061.00	5,065.90	4,998.34	309.25	21.08	45.67	-831.06	4,971.09	6,559.77	6,439.52	120.24	54.554		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.82	-766.58	5,579.88	5,632.52					
100.00	100.00	53.79	53.79	3.28	3.28	97.82	-766.68	5,579.85	5,632.28	5,625.71	6.57	857.696		
200.00	200.00	152.86	152.86	3.34	3.31	97.83	-767.28	5,579.68	5,632.19	5,625.54	6.65	847.356		
206.51	206.51	158.89	158.89	3.34	3.31	100.73	-767.32	5,579.67	5,632.19	5,625.53	6.66	846.220		
300.00	299.98	260.43	260.42	3.45	3.40	100.75	-768.04	5,579.51	5,632.46	5,625.62	6.85	822.638		
400.00	399.84	384.87	384.86	3.61	3.58	100.81	-768.67	5,578.92	5,633.04	5,625.86	7.18	784.193		
500.00	499.45	486.23	486.22	3.82	3.78	100.88	-768.86	5,578.22	5,634.03	5,626.44	7.58	743.143		
600.00	598.70	2,115.00	2,088.99	4.07	13.03	102.39	-665.78	5,361.82	5,622.97	5,608.78	14.19	396.161		
680.00	677.76	2,245.15	2,213.23	4.29	14.47	102.86	-647.84	5,327.47	5,602.73	5,587.65	15.08	371.592		
700.00	697.48	2,260.96	2,228.31	4.35	14.64	102.88	-645.61	5,323.28	5,597.72	5,582.51	15.21	367.988		
800.00	796.08	2,349.68	2,312.94	4.66	15.63	102.93	-632.77	5,299.93	5,572.84	5,556.88	15.97	349.024		
900.00	894.68	2,473.43	2,430.92	4.98	17.04	103.01	-614.76	5,267.23	5,547.88	5,530.92	16.95	327.238		
1,000.00	993.28	1,000.00	2,591.80	5.34	5.36	103.10	-588.09	5,221.51	5,522.28	5,512.71	9.57	576.899		
1,100.00	1,091.88	2,830.57	2,768.65	5.71	21.60	103.18	-556.19	5,167.11	5,493.84	5,474.07	19.76	278.013		
1,200.00	1,190.48	2,862.81	2,799.08	6.10	22.03	103.20	-550.92	5,157.83	5,466.22	5,445.90	20.32	268.992		
1,300.00	1,289.07	2,900.00	2,834.35	6.49	22.52	103.22	-545.21	5,147.51	5,439.73	5,418.81	20.93	259.934		
1,400.00	1,387.67	2,982.07	2,912.42	6.90	23.51	103.28	-533.31	5,125.17	5,413.96	5,392.18	21.78	248.579		
1,500.00	1,486.27	3,100.00	3,024.44	7.31	24.98	103.36	-516.68	5,092.27	5,387.52	5,364.69	22.84	235.915		
1,600.00	1,584.87	3,154.21	3,075.94	7.73	25.62	103.41	-509.03	5,077.19	5,361.49	5,337.94	23.55	227.650		
1,700.00	1,683.47	3,200.00	3,119.67	8.16	26.17	103.44	-502.63	5,065.21	5,336.74	5,312.51	24.23	220.262		
1,800.00	1,782.07	3,255.69	3,173.02	8.59	26.76	103.48	-495.24	5,051.04	5,312.86	5,287.91	24.95	212.942		
1,900.00	1,880.67	3,326.71	3,241.17	9.02	27.50	103.55	-486.77	5,032.96	5,289.36	5,263.61	25.74	205.459		
2,000.00	1,979.27	3,382.81	3,295.15	9.46	28.06	103.61	-480.56	5,018.99	5,266.55	5,240.09	26.46	199.049		
2,100.00	2,077.87	3,448.47	3,358.47	9.90	28.69	103.69	-473.68	5,003.05	5,244.45	5,217.24	27.21	192.719		
2,200.00	2,176.47	3,518.33	3,425.96	10.35	29.34	103.77	-466.72	4,986.38	5,222.89	5,194.90	27.99	186.628		
2,300.00	2,275.07	4,047.67	3,931.74	10.79	35.38	104.29	-401.09	4,846.13	5,201.49	5,170.48	31.02	167.686		
2,400.00	2,373.67	4,100.00	3,980.86	11.24	36.16	104.32	-392.76	4,830.11	5,172.40	5,140.60	31.80	162.659		
2,500.00	2,472.27	4,149.56	4,027.54	11.69	36.83	104.36	-385.21	4,815.29	5,144.15	5,111.60	32.55	158.044		
2,600.00	2,570.87	4,200.00	4,075.40	12.14	37.52	104.41	-378.38	4,800.89	5,117.17	5,083.87	33.30	153.655		
2,700.00	2,669.47	4,230.65	4,104.59	12.59	37.88	104.44	-374.43	4,792.43	5,091.17	5,057.22	33.95	149.975		
2,800.00	2,768.07	2,800.00	4,210.31	13.04	20.37	104.53	-359.08	4,762.43	5,065.91	5,040.02	25.89	195.676		
2,900.00	2,866.67	4,700.00	4,547.64	13.50	44.36	104.79	-302.36	4,655.85	5,037.28	4,999.86	37.42	134.612		
3,000.00	2,965.27	4,747.42	4,591.96	13.95	45.09	104.82	-294.99	4,640.67	5,006.85	4,968.66	38.19	131.087		
3,100.00	3,063.87	4,800.00	4,641.34	14.41	45.91	104.86	-286.59	4,624.69	4,977.65	4,938.65	39.00	127.640		
3,200.00	3,162.47	4,832.16	4,671.64	14.87	46.35	104.88	-281.34	4,615.27	4,949.39	4,909.70	39.69	124.687		
3,300.00	3,261.07	4,900.00	4,735.65	15.32	47.28	104.92	-269.99	4,595.90	4,922.01	4,881.43	40.58	121.277		
3,400.00	3,359.67	4,953.45	4,786.19	15.78	47.98	104.96	-260.95	4,581.03	4,895.31	4,853.91	41.40	118.253		
3,500.00	3,458.27	5,000.00	4,830.28	16.24	48.58	104.98	-253.17	4,568.28	4,869.29	4,827.12	42.17	115.466		
3,600.00	3,556.87	5,052.67	4,880.32	16.70	49.19	105.02	-244.53	4,554.32	4,844.19	4,801.22	42.96	112.749		
3,700.00	3,655.47	5,100.00	4,925.50	17.16	49.75	105.05	-236.97	4,542.38	4,820.25	4,776.52	43.73	110.231		
3,800.00	3,754.06	5,146.24	4,969.80	17.62	50.21	105.08	-230.08	4,531.09	4,797.33	4,752.87	44.46	107.907		
3,900.00	3,852.66	5,200.00	5,021.52	18.08	50.76	105.13	-223.11	4,518.19	4,775.30	4,730.08	45.22	105.606		
4,000.00	3,951.26	5,200.00	5,021.52	18.54	50.76	105.13	-223.11	4,518.19	4,754.73	4,709.02	45.71	104.009		
4,100.00	4,049.86	5,248.50	5,068.48	19.01	51.14	105.19	-217.64	4,507.34	4,735.18	4,688.77	46.41	102.040		
4,200.00	4,148.46	5,300.00	5,118.73	19.47	51.54	105.26	-212.56	4,497.32	4,717.73	4,670.63	47.10	100.156		
4,300.00	4,247.06	5,300.00	5,118.73	19.93	51.54	105.26	-212.56	4,497.32	4,701.21	4,653.64	47.57	98.821		
4,400.00	4,345.66	5,347.61	5,165.42	20.39	51.82	105.32	-208.43	4,488.93	4,686.33	4,638.10	48.22	97.185		
4,500.00	4,444.26	5,400.00	5,216.89	20.86	52.12	105.40	-204.44	4,480.05	4,672.41	4,623.53	48.88	95.586		
4,600.00	4,542.86	5,437.21	5,253.54	21.32	52.30	105.46	-201.93	4,474.10	4,659.65	4,610.19	49.46	94.202		
4,700.00	4,641.46	5,500.00	5,315.57	21.78	52.59	105.56	-198.24	4,465.11	4,648.45	4,598.31	50.14	92.706		
4,800.00	4,740.06	5,500.00	5,315.57	22.25	52.59	105.56	-198.24	4,465.11	4,638.23	4,587.67	50.56	91.736		
4,900.00	4,838.66	5,541.12	5,356.32	22.71	52.74	105.63	-196.14	4,460.03	4,629.58	4,578.46	51.13	90.551		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	5,600.00	5,414.83	23.18	52.94	105.74	-193.45	4,453.99	4,622.65	4,570.89	51.76	89.309		
5,100.00	5,035.86	5,600.00	5,414.83	23.64	52.94	105.74	-193.45	4,453.99	4,616.73	4,564.59	52.14	88.549		
5,200.00	5,134.46	5,673.60	5,488.09	24.11	53.15	105.86	-190.28	4,447.74	4,612.04	4,559.22	52.82	87.319		
5,300.00	5,233.06	5,735.65	5,549.90	24.57	53.31	105.96	-187.55	4,443.04	4,608.20	4,554.75	53.45	86.220		
5,400.00	5,331.66	5,800.00	5,614.04	25.04	53.48	106.07	-184.81	4,438.68	4,605.19	4,551.11	54.08	85.152		
5,500.00	5,430.26	5,853.72	5,667.63	25.50	53.61	106.16	-182.78	4,435.45	4,603.08	4,548.42	54.66	84.209		
5,600.00	5,528.86	5,900.00	5,713.82	25.97	53.72	106.25	-181.36	4,433.00	4,601.96	4,546.76	55.20	83.365		
5,678.09	5,605.86	5,958.22	5,771.96	26.33	53.85	106.35	-180.05	4,430.27	4,601.68	4,545.96	55.72	82.587		
5,700.00	5,627.46	5,971.59	5,785.32	26.43	53.88	106.38	-179.82	4,429.69	4,601.70	4,545.85	55.85	82.394		
5,800.00	5,726.06	6,038.10	5,851.77	26.90	54.02	106.51	-179.03	4,427.05	4,602.29	4,545.82	56.47	81.502		
5,900.00	5,824.66	6,110.80	5,924.43	27.36	54.18	106.66	-178.51	4,424.55	4,603.54	4,546.43	57.11	80.605		
6,000.00	5,923.26	6,192.93	6,006.51	27.83	54.35	106.82	-178.24	4,422.01	4,605.30	4,547.50	57.80	79.677		
6,100.00	6,021.86	6,275.86	6,089.41	28.30	54.52	107.00	-178.36	4,419.66	4,607.45	4,548.97	58.49	78.774		
6,200.00	6,120.46	6,356.10	6,169.63	28.76	54.69	107.17	-178.87	4,417.58	4,610.03	4,550.86	59.17	77.916		
6,300.00	6,219.06	6,450.29	6,263.79	29.23	54.89	107.37	-179.72	4,415.40	4,613.00	4,553.09	59.91	76.997		
6,405.66	6,323.24	6,571.72	6,385.16	29.72	55.15	107.64	-181.20	4,412.22	4,615.99	4,555.18	60.81	75.911		
6,450.00	6,366.93	6,617.55	6,430.97	29.93	55.25	85.08	-181.81	4,410.88	4,615.66	4,554.51	61.16	75.471		
6,500.00	6,415.96	6,661.13	6,474.53	30.15	55.34	65.88	-182.47	4,409.62	4,611.79	4,550.28	61.51	74.979		
6,550.00	6,464.44	6,705.70	6,519.07	30.37	55.44	53.81	-183.24	4,408.35	4,604.23	4,542.38	61.85	74.439		
6,600.00	6,512.08	6,764.25	6,577.59	30.58	55.57	46.43	-184.22	4,406.63	4,592.96	4,530.70	62.26	73.774		
6,650.00	6,558.58	6,820.13	6,633.43	30.78	55.69	41.82	-185.04	4,404.88	4,577.98	4,515.34	62.64	73.085		
6,700.00	6,603.65	6,872.24	6,685.52	30.97	55.81	38.94	-185.82	4,403.15	4,559.43	4,496.43	62.99	72.379		
6,750.00	6,647.02	6,913.22	6,726.46	31.15	55.90	37.17	-186.45	4,401.73	4,537.45	4,474.16	63.28	71.700		
6,800.00	6,688.42	6,941.63	6,754.85	31.31	55.97	36.20	-186.92	4,400.79	4,512.33	4,448.82	63.50	71.055		
6,850.00	6,727.59	6,968.48	6,781.69	31.46	56.03	35.91	-187.39	4,399.97	4,484.24	4,420.53	63.71	70.386		
6,900.00	6,764.29	7,000.00	6,813.19	31.60	56.10	36.24	-187.97	4,399.09	4,453.35	4,389.42	63.93	69.661		
6,950.00	6,798.30	7,037.43	6,850.60	31.73	56.19	37.23	-188.68	4,398.03	4,419.76	4,355.59	64.17	68.871		
7,000.00	6,829.41	7,083.92	6,897.05	31.84	56.29	38.96	-189.53	4,396.56	4,383.57	4,319.11	64.46	68.004		
7,050.00	6,857.42	7,050.00	6,972.76	32.03	56.21	41.87	-190.79	4,393.34	4,344.67	4,280.21	64.46	67.401		
7,100.00	6,882.16	7,215.08	7,028.07	32.36	56.61	45.61	-191.64	4,390.73	4,303.90	4,238.69	65.21	66.000		
7,150.00	6,903.48	7,226.33	7,039.30	32.73	56.63	49.84	-191.76	4,390.17	4,261.29	4,195.97	65.33	65.231		
7,200.00	6,921.25	7,235.55	7,048.51	33.15	56.66	55.36	-191.86	4,389.72	4,217.28	4,151.84	65.43	64.451		
7,250.00	6,935.36	7,242.66	7,055.61	33.61	56.67	62.45	-191.92	4,389.39	4,172.11	4,106.58	65.54	63.662		
7,300.00	6,945.72	7,247.57	7,060.51	34.11	56.69	71.38	-191.96	4,389.17	4,126.06	4,060.43	65.63	62.867		
7,350.00	6,952.26	7,250.20	7,063.14	34.65	56.69	82.15	-191.98	4,389.06	4,079.39	4,013.66	65.72	62.069		
7,403.14	6,955.00	7,250.44	7,063.38	35.26	56.69	95.05	-191.98	4,389.05	4,029.43	3,963.61	65.82	61.220		
7,500.00	6,955.99	7,248.40	7,061.35	36.49	56.69	94.96	-191.96	4,389.14	3,938.35	3,872.34	66.01	59.663		
7,600.00	6,957.03	7,246.25	7,059.19	37.93	56.68	94.87	-191.95	4,389.23	3,844.62	3,778.36	66.25	58.028		
7,700.00	6,958.06	7,244.03	7,056.98	39.52	56.68	94.78	-191.93	4,389.33	3,751.21	3,684.65	66.56	56.362		
7,800.00	6,959.09	7,241.75	7,054.70	41.25	56.67	94.68	-191.91	4,389.44	3,658.14	3,591.22	66.92	54.666		
7,900.00	6,960.12	7,239.41	7,052.36	43.09	56.67	94.58	-191.89	4,389.54	3,565.45	3,498.10	67.35	52.941		
8,000.00	6,961.15	7,237.00	7,049.96	45.04	56.66	94.48	-191.87	4,389.66	3,473.16	3,405.31	67.85	51.187		
8,100.00	6,962.18	7,234.52	7,047.48	47.08	56.65	94.38	-191.85	4,389.77	3,381.31	3,312.87	68.44	49.405		
8,200.00	6,963.21	7,231.97	7,044.93	49.20	56.65	94.27	-191.82	4,389.89	3,289.93	3,220.81	69.12	47.599		
8,300.00	6,964.24	7,229.34	7,042.30	51.39	56.64	94.16	-191.80	4,390.02	3,199.06	3,129.17	69.90	45.769		
8,400.00	6,965.27	7,226.63	7,039.60	53.64	56.63	94.04	-191.77	4,390.15	3,108.75	3,037.97	70.78	43.920		
8,500.00	6,966.30	7,223.84	7,036.81	55.95	56.63	93.93	-191.74	4,390.29	3,019.05	2,947.26	71.79	42.055		
8,600.00	6,967.33	7,220.96	7,033.93	58.30	56.62	93.80	-191.71	4,390.43	2,930.01	2,857.09	72.93	40.178		
8,700.00	6,968.37	7,217.98	7,030.96	60.70	56.61	93.68	-191.67	4,390.58	2,841.70	2,767.49	74.21	38.295		
8,800.00	6,969.40	7,214.91	7,027.90	63.14	56.61	93.55	-191.63	4,390.74	2,754.18	2,678.54	75.64	36.410		
8,900.00	6,970.43	7,211.75	7,024.74	65.60	56.60	93.42	-191.59	4,390.91	2,667.53	2,590.28	77.25	34.531		
9,000.00	6,971.46	9,000.00	6,999.52	68.10	60.96	92.35	-191.22	4,392.14	2,581.83	2,495.88	85.95	30.040		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	6,972.49	7,212.07	7,025.05	70.63	56.60	93.43	-191.61	4,390.86	2,497.21	2,416.12	81.09	30.796		
9,200.00	6,973.52	7,203.55	7,016.55	73.18	56.58	93.07	-191.49	4,391.34	2,413.76	2,330.49	83.27	28.988		
9,300.00	6,974.55	7,195.63	7,008.64	75.75	56.56	92.74	-191.37	4,391.77	2,331.60	2,245.91	85.69	27.210		
9,400.00	6,975.58	7,188.24	7,001.26	78.34	56.54	92.42	-191.26	4,392.16	2,250.86	2,162.49	88.37	25.471		
9,500.00	6,976.61	7,181.33	6,994.36	80.94	56.52	92.13	-191.16	4,392.52	2,171.72	2,080.39	91.33	23.778		
9,600.00	6,977.64	7,174.85	6,987.89	83.56	56.51	91.86	-191.06	4,392.85	2,094.35	1,999.75	94.60	22.140		
9,700.00	6,978.68	7,168.76	6,981.82	86.20	56.49	91.60	-190.97	4,393.15	2,018.95	1,920.77	98.18	20.564		
9,800.00	6,979.71	7,163.04	6,976.10	88.85	56.48	91.36	-190.88	4,393.42	1,945.76	1,843.66	102.10	19.058		
9,900.00	6,980.74	7,157.65	6,970.71	91.51	56.47	91.13	-190.80	4,393.67	1,875.04	1,768.67	106.37	17.628		
10,000.00	6,981.77	7,152.55	6,965.63	94.19	56.46	90.91	-190.71	4,393.91	1,807.08	1,696.08	111.00	16.280		
10,100.00	6,982.80	7,147.74	6,960.82	96.87	56.44	90.71	-190.64	4,394.12	1,742.20	1,626.20	115.99	15.020		
10,200.00	6,983.83	7,143.18	6,956.26	99.56	56.43	90.51	-190.56	4,394.32	1,680.75	1,559.42	121.33	13.853		
10,300.00	6,984.86	7,138.85	6,951.94	102.27	56.42	90.33	-190.49	4,394.51	1,623.14	1,496.14	127.00	12.781		
10,400.00	6,985.89	7,134.74	6,947.83	104.98	56.41	90.16	-190.42	4,394.68	1,569.78	1,436.84	132.94	11.808		
10,500.00	6,986.92	7,130.83	6,943.93	107.69	56.40	89.99	-190.36	4,394.84	1,521.12	1,382.01	139.11	10.935		
10,600.00	6,987.95	7,127.11	6,940.21	110.41	56.39	89.83	-190.29	4,394.99	1,477.63	1,332.23	145.40	10.163		
10,700.00	6,988.99	7,123.57	6,936.67	113.14	56.39	89.68	-190.23	4,395.14	1,439.77	1,288.06	151.71	9.490		
10,800.00	6,990.02	7,120.18	6,933.29	115.88	56.38	89.54	-190.18	4,395.27	1,408.00	1,250.11	157.90	8.917		
10,900.00	6,991.05	7,116.95	6,930.06	118.62	56.37	89.40	-190.12	4,395.39	1,382.75	1,218.93	163.82	8.441		
11,000.00	6,992.08	7,113.85	6,926.97	121.37	56.36	89.27	-190.07	4,395.51	1,364.36	1,195.05	169.32	8.058		
11,100.00	6,993.11	7,110.89	6,924.01	124.12	56.36	89.14	-190.02	4,395.62	1,353.13	1,178.89	174.24	7.766		
11,200.00	6,994.14	7,108.06	6,921.17	126.87	56.35	89.02	-189.97	4,395.72	1,349.23	1,170.78	178.46	7.560		
11,202.71	6,994.17	7,107.98	6,921.10	126.95	56.35	89.02	-189.96	4,395.73	1,349.23	1,170.67	178.56	7.556 CC, ES		
11,300.00	6,995.17	7,105.34	6,918.46	129.63	56.34	88.91	-189.92	4,395.82	1,352.73	1,170.85	181.88	7.437		
11,400.00	6,996.20	7,102.73	6,915.85	132.39	56.34	88.80	-189.87	4,395.92	1,363.57	1,179.12	184.45	7.393 SF		
11,500.00	6,997.23	7,100.22	6,913.34	135.16	56.33	88.69	-189.83	4,396.00	1,381.57	1,195.41	186.16	7.421		
11,600.00	6,998.26	7,097.77	6,910.90	137.93	56.32	88.59	-189.78	4,396.09	1,406.47	1,219.43	187.04	7.520		
11,700.00	6,999.30	7,095.37	6,908.49	140.70	56.32	88.48	-189.74	4,396.17	1,437.90	1,250.74	187.16	7.683		
11,800.00	7,000.33	7,093.00	6,906.13	143.48	56.31	88.38	-189.70	4,396.25	1,475.45	1,288.84	186.61	7.907		
11,900.00	7,001.36	7,090.67	6,903.80	146.26	56.31	88.29	-189.66	4,396.33	1,518.66	1,333.17	185.49	8.187		
12,000.00	7,002.39	7,088.37	6,901.50	149.04	56.30	88.19	-189.61	4,396.41	1,567.06	1,383.16	183.91	8.521		
12,100.00	7,003.42	7,086.11	6,899.24	151.82	56.30	88.09	-189.57	4,396.49	1,620.20	1,438.23	181.97	8.904		
12,200.00	7,004.45	7,083.89	6,897.02	154.61	56.29	88.00	-189.53	4,396.56	1,677.61	1,497.85	179.77	9.332		
12,300.00	7,005.48	7,081.69	6,894.83	157.40	56.29	87.90	-189.49	4,396.64	1,738.89	1,561.51	177.38	9.803		
12,400.00	7,006.51	7,079.54	6,892.67	160.19	56.28	87.81	-189.45	4,396.71	1,803.62	1,628.74	174.88	10.314		
12,500.00	7,007.54	7,077.41	6,890.55	162.98	56.28	87.72	-189.42	4,396.78	1,871.46	1,699.15	172.31	10.861		
12,600.00	7,008.57	7,075.32	6,888.46	165.78	56.27	87.63	-189.38	4,396.85	1,942.08	1,772.35	169.73	11.442		
12,700.00	7,009.61	7,073.25	6,886.39	168.58	56.27	87.55	-189.34	4,396.91	2,015.18	1,848.02	167.16	12.055		
12,800.00	7,010.64	7,071.22	6,884.36	171.38	56.26	87.46	-189.30	4,396.98	2,090.51	1,925.88	164.64	12.698		
12,900.00	7,011.67	7,069.21	6,882.36	174.18	56.26	87.37	-189.27	4,397.04	2,167.84	2,005.67	162.17	13.368		
13,000.00	7,012.70	7,067.24	6,880.39	176.98	56.25	87.29	-189.23	4,397.11	2,246.95	2,087.17	159.78	14.063		
13,100.00	7,013.73	7,065.29	6,878.44	179.78	56.25	87.21	-189.20	4,397.17	2,327.67	2,170.20	157.47	14.781		
13,200.00	7,014.76	7,063.37	6,876.52	182.59	56.25	87.13	-189.16	4,397.23	2,409.83	2,254.58	155.25	15.522		
13,300.00	7,015.79	7,061.48	6,874.63	185.39	56.24	87.05	-189.13	4,397.29	2,493.30	2,340.18	153.12	16.283		
13,400.00	7,016.82	7,059.62	6,872.77	188.20	56.24	86.97	-189.09	4,397.35	2,577.94	2,426.86	151.08	17.064		
13,500.00	7,017.85	7,057.78	6,870.93	191.01	56.23	86.89	-189.06	4,397.41	2,663.64	2,514.52	149.13	17.862		
13,600.00	7,018.88	7,055.96	6,869.12	193.82	56.23	86.81	-189.02	4,397.47	2,750.31	2,603.05	147.26	18.676		
13,700.00	7,019.91	7,054.17	6,867.33	196.63	56.22	86.74	-188.99	4,397.52	2,837.86	2,692.37	145.49	19.506		
13,800.00	7,020.95	7,052.41	6,865.56	199.44	56.22	86.66	-188.96	4,397.58	2,926.20	2,782.41	143.79	20.350		
13,900.00	7,021.98	7,050.67	6,863.82	202.26	56.22	86.59	-188.93	4,397.63	3,015.27	2,873.09	142.18	21.208		
14,000.00	7,023.01	7,048.95	6,862.11	205.07	56.21	86.52	-188.89	4,397.68	3,105.00	2,964.36	140.64	22.078		
14,100.00	7,024.04	7,047.25	6,860.41	207.89	56.21	86.44	-188.86	4,397.74	3,195.34	3,056.17	139.17	22.960		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	7,025.07	7,045.58	6,858.74	210.70	56.20	86.37	-188.83	4,397.79	3,286.24	3,148.47	137.77	23.852		
14,300.00	7,026.10	7,043.93	6,857.09	213.52	56.20	86.30	-188.80	4,397.84	3,377.65	3,241.21	136.44	24.755		
14,400.00	7,027.13	7,042.30	6,855.47	216.34	56.20	86.23	-188.77	4,397.89	3,469.54	3,334.37	135.17	25.667		
14,500.00	7,028.16	7,040.70	6,853.86	219.16	56.19	86.17	-188.74	4,397.93	3,561.86	3,427.90	133.96	26.588		
14,600.00	7,029.19	7,039.11	6,852.27	221.98	56.19	86.10	-188.71	4,397.98	3,654.59	3,521.78	132.81	27.518		
14,700.00	7,030.22	7,037.54	6,850.71	224.80	56.19	86.03	-188.68	4,398.03	3,747.69	3,615.98	131.71	28.455		
14,800.00	7,031.26	7,036.00	6,849.16	227.62	56.18	85.97	-188.65	4,398.07	3,841.13	3,710.48	130.66	29.399		
14,900.00	7,032.29	7,034.47	6,847.64	230.44	56.18	85.90	-188.62	4,398.12	3,934.90	3,805.25	129.65	30.350		
15,000.00	7,033.32	7,032.96	6,846.13	233.26	56.18	85.84	-188.60	4,398.16	4,028.96	3,900.27	128.69	31.307		
15,100.00	7,034.35	7,031.47	6,844.64	236.09	56.17	85.78	-188.57	4,398.21	4,123.31	3,995.53	127.78	32.270		
15,200.00	7,035.38	7,030.00	6,843.18	238.91	56.17	85.71	-188.54	4,398.25	4,217.91	4,091.01	126.90	33.238		
15,300.00	7,036.41	7,028.55	6,841.72	241.74	56.17	85.65	-188.51	4,398.29	4,312.76	4,186.70	126.06	34.212		
15,400.00	7,037.44	7,027.12	6,840.29	244.56	56.16	85.59	-188.49	4,398.33	4,407.83	4,282.57	125.26	35.190		
15,500.00	7,038.47	7,025.70	6,838.88	247.39	56.16	85.53	-188.46	4,398.37	4,503.12	4,378.63	124.49	36.173		
15,600.00	7,039.50	7,024.30	6,837.48	250.21	56.16	85.47	-188.43	4,398.41	4,598.61	4,474.85	123.75	37.159		
15,700.00	7,040.53	7,022.92	6,836.10	253.04	56.15	85.41	-188.41	4,398.45	4,694.28	4,571.23	123.05	38.150		
15,800.00	7,041.57	7,021.56	6,834.73	255.87	56.15	85.36	-188.38	4,398.49	4,790.13	4,667.76	122.37	39.144		
15,900.00	7,042.60	7,020.21	6,833.38	258.70	56.15	85.30	-188.36	4,398.53	4,886.15	4,764.42	121.73	40.141		
16,000.00	7,043.63	7,018.87	6,832.05	261.53	56.14	85.24	-188.33	4,398.57	4,982.32	4,861.21	121.10	41.141		
16,100.00	7,044.66	7,017.55	6,830.73	264.35	56.14	85.19	-188.31	4,398.61	5,078.64	4,958.13	120.51	42.144		
16,200.00	7,045.69	7,016.25	6,829.43	267.18	56.14	85.13	-188.28	4,398.64	5,175.10	5,055.16	119.94	43.149		
16,300.00	7,046.72	7,014.97	6,828.14	270.01	56.14	85.08	-188.26	4,398.68	5,271.69	5,152.30	119.39	44.157		
16,400.00	7,047.75	7,013.69	6,826.87	272.84	56.13	85.02	-188.23	4,398.71	5,368.40	5,249.54	118.86	45.167		
16,500.00	7,048.78	7,012.44	6,825.62	275.67	56.13	84.97	-188.21	4,398.75	5,465.23	5,346.88	118.35	46.178		
16,600.00	7,049.81	7,011.19	6,824.37	278.51	56.13	84.92	-188.19	4,398.78	5,562.18	5,444.31	117.86	47.192		
16,700.00	7,050.84	7,009.96	6,823.15	281.34	56.12	84.87	-188.16	4,398.82	5,659.23	5,541.83	117.39	48.207		
16,800.00	7,051.88	7,008.75	6,821.93	284.17	56.12	84.81	-188.14	4,398.85	5,756.38	5,639.43	116.94	49.224		
16,900.00	7,052.91	7,019.32	6,832.49	287.00	56.14	85.26	-188.35	4,398.59	5,853.61	5,737.05	116.56	50.220		
17,000.00	7,053.94	7,016.62	6,829.80	289.83	56.14	85.15	-188.30	4,398.66	5,950.95	5,834.82	116.14	51.241		
17,100.00	7,054.97	7,013.84	6,827.02	292.67	56.13	85.03	-188.24	4,398.73	6,048.38	5,932.65	115.73	52.264		
17,200.00	7,056.00	7,010.97	6,824.15	295.50	56.13	84.91	-188.18	4,398.80	6,145.89	6,030.55	115.33	53.287		
17,300.00	7,057.03	7,008.01	6,821.19	298.33	56.12	84.78	-188.13	4,398.88	6,243.48	6,128.52	114.96	54.312		
17,400.00	7,058.06	7,004.95	6,818.13	301.17	56.11	84.65	-188.07	4,398.96	6,341.14	6,226.55	114.59	55.338		
17,500.00	7,059.09	7,001.78	6,814.97	304.00	56.10	84.52	-188.01	4,399.04	6,438.87	6,324.63	114.24	56.364		
17,600.00	7,060.12	6,998.51	6,811.70	306.84	56.10	84.38	-187.94	4,399.13	6,536.67	6,422.77	113.90	57.391		
17,685.09	7,061.00	6,995.64	6,808.83	309.25	56.09	84.26	-187.89	4,399.20	6,619.93	6,506.32	113.62	58.266		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	1,254.76	1,234.23	3.28	9.72	99.19	-873.01	5,398.34	5,617.24					
100.00	100.00	1,422.31	1,393.65	3.28	11.71	99.55	-900.63	5,354.83	5,593.81	5,581.10	12.71	440.165		
200.00	200.00	1,473.76	1,442.53	3.34	12.33	99.66	-909.30	5,341.31	5,570.20	5,557.03	13.17	422.968		
300.00	299.98	1,528.45	1,494.49	3.45	12.98	103.15	-919.11	5,327.29	5,547.77	5,534.05	13.72	404.420		
400.00	399.84	1,586.62	1,549.87	3.61	13.66	103.73	-929.40	5,312.77	5,526.86	5,512.50	14.36	384.994		
500.00	499.45	1,668.95	1,628.41	3.82	14.58	104.37	-943.71	5,292.65	5,507.35	5,492.10	15.25	361.243		
600.00	598.70	1,760.00	1,711.66	4.07	15.69	105.39	-974.65	5,247.48	5,488.65	5,480.62	16.84	328.775		
680.00	677.76	1,854.31	1,800.34	4.29	17.84	106.08	-990.94	5,220.26	5,473.09	5,454.95	18.14	301.719		
700.00	697.48	1,964.97	1,910.50	4.35	17.96	106.12	-992.55	5,217.47	5,469.31	5,451.03	18.29	299.064		
800.00	796.08	2,029.06	1,971.66	4.66	18.70	106.36	-1,002.26	5,200.98	5,450.91	5,431.76	19.15	284.653		
900.00	894.68	2,110.33	2,049.21	4.98	19.62	106.68	-1,014.90	5,180.20	5,432.97	5,412.79	20.19	269.132		
1,000.00	993.28	2,175.77	2,111.66	5.34	20.36	106.93	-1,025.31	5,163.66	5,415.61	5,394.48	21.13	256.320		
1,100.00	1,091.88	2,233.88	2,167.16	5.71	20.99	107.16	-1,034.74	5,149.24	5,398.96	5,376.93	22.04	245.007		
1,200.00	1,190.48	2,300.00	2,230.31	6.10	21.71	107.43	-1,046.03	5,133.24	5,383.22	5,360.19	23.04	233.688		
1,300.00	1,289.07	2,370.89	2,300.31	6.49	22.94	108.24	-1,077.10	5,081.31	5,367.20	5,342.05	25.15	213.387		
1,400.00	1,387.67	2,446.99	2,366.91	6.90	24.32	108.38	-1,082.08	5,072.29	5,350.54	5,324.63	25.91	206.486		
1,500.00	1,486.27	2,530.00	2,446.91	7.31	24.88	108.59	-1,090.10	5,059.34	5,334.94	5,308.12	26.82	198.940		
1,600.00	1,584.87	2,624.73	2,526.92	7.73	28.76	109.87	-1,137.40	4,972.39	5,316.23	5,286.15	30.07	176.785		
1,700.00	1,683.47	2,730.04	2,628.21	8.16	30.99	110.55	-1,161.62	4,924.90	5,296.64	5,264.52	32.12	164.898		
1,800.00	1,782.07	2,840.00	2,730.31	8.59	32.84	111.04	-1,178.83	4,889.14	5,276.32	5,256.24	34.89	150.671		
1,900.00	1,880.67	2,960.01	2,846.15	9.02	33.47	111.27	-1,186.51	4,871.86	5,256.42	5,221.54	36.23	144.546		
2,000.00	1,979.27	3,090.39	2,966.13	9.46	34.63	111.61	-1,197.59	4,847.39	5,237.48	5,201.25	37.63	138.669		
2,100.00	2,077.87	3,230.98	3,086.80	9.90	35.81	111.98	-1,210.40	4,821.80	5,218.41	5,180.78	38.67	134.470		
2,200.00	2,176.47	3,378.50	3,249.81	10.35	36.44	112.17	-1,217.20	4,808.55	5,200.30	5,161.63	40.51	127.909		
2,300.00	2,275.07	3,530.98	3,409.90	10.79	38.32	112.76	-1,235.21	4,766.04	5,182.15	5,141.64	46.57	110.772		
2,400.00	2,373.67	3,690.18	3,567.04	11.24	47.20	114.98	-1,301.07	4,594.18	5,158.35	5,111.78	48.15	106.606		
2,500.00	2,472.27	3,860.00	3,733.33	11.69	48.59	115.28	-1,311.09	4,570.67	5,133.26	5,085.11	49.37	103.493		
2,600.00	2,570.87	4,040.42	3,905.48	12.14	49.36	115.47	-1,317.15	4,556.38	5,109.17	5,059.80	50.54	100.643		
2,700.00	2,669.47	4,230.78	4,090.12	12.59	50.05	115.64	-1,322.33	4,544.05	5,086.35	5,035.81	52.04	97.325		
2,800.00	2,768.07	4,430.03	4,148.77	13.04	51.25	115.93	-1,331.38	4,522.18	5,064.74	5,012.70	54.05	93.302		
2,900.00	2,866.67	4,640.65	4,247.59	13.50	53.23	116.43	-1,346.23	4,484.99	5,043.12	4,989.06	55.52	90.447		
3,000.00	2,965.27	4,860.00	4,300.54	13.95	54.32	116.71	-1,355.07	4,464.83	5,022.05	4,966.52	56.87	87.957		
3,100.00	3,063.87	5,090.68	4,341.80	14.41	55.15	116.93	-1,362.42	4,449.32	5,002.01	4,945.14	58.36	85.387		
3,200.00	3,162.47	5,330.00	4,393.03	14.87	56.18	117.21	-1,371.90	4,430.73	4,983.29	4,924.93	59.44	83.548		
3,300.00	3,261.07	5,580.35	4,415.62	15.32	56.59	117.33	-1,376.19	4,422.75	4,965.68	4,906.25	60.76	81.459		
3,400.00	3,359.67	5,840.02	4,456.23	15.78	57.33	117.55	-1,384.03	4,408.70	4,949.32	4,888.56	61.93	79.672		
3,500.00	3,458.27	6,110.00	4,486.01	16.24	57.88	117.72	-1,389.89	4,398.64	4,934.17	4,872.24	63.41	77.588		
3,600.00	3,556.87	6,390.50	4,544.55	16.70	58.81	118.03	-1,400.89	4,379.69	4,920.08	4,856.67	64.77	75.765		
3,700.00	3,655.47	6,680.81	4,596.78	17.16	59.58	118.29	-1,409.70	4,363.80	4,907.09	4,842.33	66.18	73.959		
3,800.00	3,754.06	6,980.26	4,664.80	17.62	60.46	118.61	-1,419.54	4,344.24	4,894.90	4,828.71	67.24	72.628		
3,900.00	3,852.66	7,290.11	4,704.91	18.08	60.89	118.79	-1,424.47	4,333.39	4,883.60	4,816.36	68.23	71.429		
4,000.00	3,951.26	7,610.16	4,740.65	18.54	61.25	118.94	-1,428.39	4,324.44	4,873.63	4,805.39	69.26	70.246		
4,100.00	4,049.86	7,940.29	4,785.41	19.01	61.66	119.11	-1,432.70	4,314.15	4,864.95	4,795.69	70.52	68.872		
4,200.00	4,148.46	8,280.07	4,836.56	19.47	62.40	119.46	-1,441.08	4,293.74	4,856.88	4,786.36	71.45	67.872		
4,300.00	4,247.06	8,630.06	4,891.42	19.93	62.70	119.62	-1,444.78	4,284.57	4,849.57	4,778.12	72.40	66.897		
4,400.00	4,345.66	8,990.00	4,966.29	20.39	63.03	119.79	-1,448.47	4,275.20	4,843.35	4,770.95	73.24	66.059		
4,500.00	4,444.26	9,360.83	5,005.36	20.86	63.24	119.93	-1,451.25	4,268.01	4,838.33	4,765.09	74.16	65.193		
4,600.00	4,542.86	9,740.00	5,064.64	21.32	63.56	120.12	-1,454.97	4,258.35	4,834.70	4,760.54	75.65	63.858		
4,700.00	4,641.46	10,130.00	5,064.64	21.78	63.56	120.12	-1,454.97	4,258.35	4,832.22	4,757.42	76.18	63.413		
4,800.00	4,740.06	10,530.36	5,129.29	22.25	63.80	120.32	-1,458.40	4,249.38	4,830.84	4,755.19	76.38	63.249		
4,866.69	4,805.81	10,600.00	5,163.64	22.56	63.93	120.41	-1,459.98	4,245.22	4,830.65	4,754.47				
4,900.00	4,838.66	10,680.00	5,163.64	22.71	63.93	120.41	-1,459.98	4,245.22	4,830.76	4,754.39				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	5,466.48	5,229.69	23.18	64.12	120.59	-1,462.58	4,238.18	4,831.67	4,754.51	77.16	62.617		
5,100.00	5,035.86	5,522.13	5,285.08	23.64	64.27	120.73	-1,464.35	4,233.10	4,833.57	4,755.67	77.90	62.051		
5,200.00	5,134.46	5,579.02	5,341.77	24.11	64.40	120.87	-1,465.95	4,228.57	4,836.39	4,757.78	78.61	61.523		
5,300.00	5,233.06	5,635.49	5,398.08	24.57	64.52	121.00	-1,467.37	4,224.69	4,840.13	4,760.82	79.31	61.030		
5,400.00	5,331.66	5,700.00	5,462.47	25.04	64.65	121.15	-1,468.87	4,221.01	4,844.80	4,764.79	80.01	60.552		
5,500.00	5,430.26	5,745.01	5,507.43	25.50	64.73	121.24	-1,469.72	4,219.00	4,850.39	4,769.75	80.64	60.147		
5,600.00	5,528.86	5,800.00	5,562.39	25.97	64.83	121.35	-1,470.38	4,217.31	4,856.98	4,775.69	81.29	59.752		
5,700.00	5,627.46	5,878.82	5,641.19	26.43	64.96	121.50	-1,470.90	4,215.70	4,864.27	4,782.30	81.97	59.339		
5,800.00	5,726.06	5,954.14	5,716.50	26.90	65.08	121.64	-1,471.22	4,214.58	4,872.00	4,789.35	82.65	58.949		
5,900.00	5,824.66	6,034.94	5,797.30	27.36	65.21	121.78	-1,471.52	4,213.87	4,880.25	4,796.92	83.33	58.563		
6,000.00	5,923.26	6,126.30	5,888.65	27.83	65.36	121.94	-1,471.85	4,213.26	4,888.73	4,804.69	84.04	58.169		
6,100.00	6,021.86	6,211.71	5,974.06	28.30	65.50	122.08	-1,472.17	4,212.90	4,897.48	4,812.74	84.74	57.795		
6,200.00	6,120.46	6,297.47	6,059.82	28.76	65.64	122.23	-1,472.55	4,212.77	4,906.53	4,821.10	85.43	57.431		
6,300.00	6,219.06	6,400.60	6,162.95	29.23	65.81	122.41	-1,473.02	4,212.71	4,915.71	4,829.54	86.18	57.042		
6,405.66	6,323.24	6,502.81	6,265.16	29.72	65.99	122.58	-1,473.36	4,212.68	4,925.43	4,838.48	86.94	56.651		
6,450.00	6,366.93	6,539.30	6,301.65	29.93	66.05	99.84	-1,473.43	4,212.74	4,928.23	4,840.98	87.25	56.483		
6,500.00	6,415.96	6,580.71	6,343.06	30.15	66.12	80.53	-1,473.51	4,212.89	4,928.29	4,840.68	87.61	56.256		
6,550.00	6,464.44	6,625.97	6,388.32	30.37	66.20	68.41	-1,473.57	4,213.12	4,925.04	4,837.07	87.98	55.982		
6,600.00	6,512.08	6,674.21	6,436.56	30.58	66.29	61.01	-1,473.66	4,213.36	4,918.48	4,830.12	88.36	55.664		
6,650.00	6,558.58	6,724.72	6,487.07	30.78	66.38	56.45	-1,473.76	4,213.59	4,908.63	4,819.88	88.75	55.306		
6,700.00	6,603.65	6,777.71	6,540.06	30.97	66.47	53.68	-1,473.80	4,213.79	4,895.52	4,806.36	89.16	54.908		
6,750.00	6,647.02	6,817.57	6,579.92	31.15	66.54	52.08	-1,473.79	4,213.92	4,879.28	4,789.75	89.53	54.500		
6,800.00	6,688.42	6,847.41	6,609.76	31.31	66.60	51.31	-1,473.83	4,214.06	4,860.15	4,770.28	89.87	54.079		
6,850.00	6,727.59	6,875.70	6,638.04	31.46	66.65	51.24	-1,473.94	4,214.23	4,838.28	4,748.06	90.22	53.630		
6,900.00	6,764.29	6,900.00	6,662.35	31.60	66.69	51.75	-1,474.07	4,214.40	4,813.79	4,723.23	90.56	53.158		
6,950.00	6,798.30	6,900.00	6,662.35	31.73	66.69	52.60	-1,474.07	4,214.40	4,786.95	4,696.12	90.83	52.703		
7,000.00	6,829.41	6,900.00	6,662.35	31.84	66.69	53.93	-1,474.07	4,214.40	4,757.98	4,666.87	91.11	52.223		
7,050.00	6,857.42	6,900.00	6,662.35	32.03	66.69	55.75	-1,474.07	4,214.40	4,727.00	4,635.60	91.40	51.717		
7,100.00	6,882.16	6,900.00	6,662.35	32.36	66.69	58.07	-1,474.07	4,214.40	4,694.19	4,602.48	91.71	51.185		
7,150.00	6,903.48	6,900.00	6,662.35	32.73	66.69	60.91	-1,474.07	4,214.40	4,659.69	4,567.65	92.04	50.629		
7,200.00	6,921.25	6,900.00	6,662.35	33.15	66.69	64.30	-1,474.07	4,214.40	4,623.69	4,531.31	92.38	50.049		
7,250.00	6,935.36	6,900.00	6,662.35	33.61	66.69	68.26	-1,474.07	4,214.40	4,586.39	4,493.63	92.75	49.448		
7,300.00	6,945.72	6,900.00	6,662.35	34.11	66.69	72.81	-1,474.07	4,214.40	4,547.97	4,454.82	93.15	48.826		
7,350.00	6,952.26	6,900.00	6,662.35	34.65	66.69	77.93	-1,474.07	4,214.40	4,508.65	4,415.09	93.56	48.189		
7,403.14	6,955.00	6,900.00	6,662.35	35.26	66.69	83.93	-1,474.07	4,214.40	4,466.13	4,372.10	94.03	47.496		
7,500.00	6,955.99	6,900.00	6,662.35	36.49	66.69	83.93	-1,474.07	4,214.40	4,388.46	4,293.50	94.96	46.215		
7,600.00	6,957.03	6,900.00	6,662.35	37.93	66.69	83.93	-1,474.07	4,214.40	4,309.10	4,213.07	96.03	44.873		
7,700.00	6,958.06	6,900.00	6,662.35	39.52	66.69	83.93	-1,474.07	4,214.40	4,230.60	4,133.39	97.22	43.517		
7,800.00	6,959.09	6,900.00	6,662.35	41.25	66.69	83.93	-1,474.07	4,214.40	4,153.04	4,054.51	98.53	42.150		
7,900.00	6,960.12	6,900.00	6,662.35	43.09	66.69	83.93	-1,474.07	4,214.40	4,076.45	3,976.48	99.97	40.778		
8,000.00	6,961.15	6,900.00	6,662.35	45.04	66.69	83.93	-1,474.07	4,214.40	4,000.89	3,899.36	101.53	39.405		
8,100.00	6,962.18	6,900.00	6,662.35	47.08	66.69	83.93	-1,474.07	4,214.40	3,926.43	3,823.20	103.23	38.037		
8,200.00	6,963.21	6,900.00	6,662.35	49.20	66.69	83.93	-1,474.07	4,214.40	3,853.12	3,748.07	105.05	36.680		
8,300.00	6,964.24	6,900.00	6,662.35	51.39	66.69	83.93	-1,474.07	4,214.40	3,781.04	3,674.04	106.99	35.339		
8,400.00	6,965.27	6,900.00	6,662.35	53.64	66.69	83.93	-1,474.07	4,214.40	3,710.25	3,601.18	109.07	34.017		
8,500.00	6,966.30	6,900.00	6,662.35	55.95	66.69	83.93	-1,474.07	4,214.40	3,640.83	3,529.56	111.27	32.721		
8,600.00	6,967.33	6,900.00	6,662.35	58.30	66.69	83.93	-1,474.07	4,214.40	3,572.86	3,459.27	113.59	31.455		
8,700.00	6,968.37	6,900.00	6,662.35	60.70	66.69	83.93	-1,474.07	4,214.40	3,506.43	3,390.40	116.03	30.221		
8,800.00	6,969.40	6,900.00	6,662.35	63.14	66.69	83.93	-1,474.07	4,214.40	3,441.62	3,323.04	118.58	29.024		
8,900.00	6,970.43	6,900.00	6,662.35	65.60	66.69	83.93	-1,474.07	4,214.40	3,378.53	3,257.29	121.24	27.867		
9,000.00	6,971.46	6,900.00	6,662.35	68.10	66.69	83.93	-1,474.07	4,214.40	3,317.25	3,193.25	124.00	26.751		
9,100.00	6,972.49	6,900.00	6,662.35	70.63	66.69	83.93	-1,474.07	4,214.40	3,257.89	3,131.03	126.86	25.681		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
9,200.00	6,973.52	6,900.00	6,662.35	73.18	66.69	83.93	-1,474.07	4,214.40	3,200.56	3,070.75	129.81	24.656		
9,300.00	6,974.55	6,900.00	6,662.35	75.75	66.69	83.93	-1,474.07	4,214.40	3,145.36	3,012.52	132.84	23.679		
9,400.00	6,975.58	6,900.00	6,662.35	78.34	66.69	83.93	-1,474.07	4,214.40	3,092.41	2,956.48	135.93	22.750		
9,500.00	6,976.61	6,900.00	6,662.35	80.94	66.69	83.93	-1,474.07	4,214.40	3,041.82	2,902.74	139.08	21.871		
9,600.00	6,977.64	6,900.00	6,662.35	83.56	66.69	83.93	-1,474.07	4,214.40	2,993.73	2,851.45	142.27	21.042		
9,700.00	6,978.68	6,900.00	6,662.35	86.20	66.69	83.93	-1,474.07	4,214.40	2,948.24	2,802.74	145.50	20.263		
9,800.00	6,979.71	6,900.00	6,662.35	88.85	66.69	83.93	-1,474.07	4,214.40	2,905.48	2,756.75	148.73	19.535		
9,900.00	6,980.74	6,900.00	6,662.35	91.51	66.69	83.93	-1,474.07	4,214.40	2,865.57	2,713.61	151.96	18.858		
10,000.00	6,981.77	6,900.00	6,662.35	94.19	66.69	83.93	-1,474.07	4,214.40	2,828.64	2,673.48	155.16	18.230		
10,100.00	6,982.80	6,900.00	6,662.35	96.87	66.69	83.93	-1,474.07	4,214.40	2,794.80	2,636.47	158.33	17.652		
10,200.00	6,983.83	6,900.00	6,662.35	99.56	66.69	83.93	-1,474.07	4,214.40	2,764.17	2,602.74	161.43	17.123		
10,300.00	6,984.86	6,900.00	6,662.35	102.27	66.69	83.93	-1,474.07	4,214.40	2,736.85	2,572.40	164.44	16.643		
10,400.00	6,985.89	6,900.00	6,662.35	104.98	66.69	83.93	-1,474.07	4,214.40	2,712.94	2,545.58	167.36	16.211		
10,500.00	6,986.92	6,900.00	6,662.35	107.69	66.69	83.93	-1,474.07	4,214.40	2,692.53	2,522.39	170.14	15.825		
10,600.00	6,987.95	6,900.00	6,662.35	110.41	66.69	83.93	-1,474.07	4,214.40	2,675.71	2,502.93	172.78	15.486		
10,700.00	6,988.99	6,900.00	6,662.35	113.14	66.69	83.93	-1,474.07	4,214.40	2,662.54	2,487.28	175.26	15.192		
10,800.00	6,990.02	6,900.00	6,662.35	115.88	66.69	83.93	-1,474.07	4,214.40	2,653.08	2,475.52	177.56	14.942		
10,900.00	6,991.05	6,900.00	6,662.35	118.62	66.69	83.93	-1,474.07	4,214.40	2,647.37	2,467.70	179.67	14.735		
11,000.00	6,992.08	6,900.00	6,662.35	121.37	66.69	83.93	-1,474.07	4,214.40	2,645.42	2,463.86	181.56	14.570		
11,001.48	6,992.09	6,900.00	6,662.35	121.41	66.69	83.93	-1,474.07	4,214.40	2,645.42	2,463.83	181.59	14.568 CC, ES		
11,100.00	6,993.11	6,900.00	6,662.35	124.12	66.69	83.93	-1,474.07	4,214.40	2,647.26	2,464.01	183.25	14.446		
11,200.00	6,994.14	6,900.00	6,662.35	126.87	66.69	83.93	-1,474.07	4,214.40	2,652.86	2,468.15	184.71	14.362		
11,300.00	6,995.17	6,900.00	6,662.35	129.63	66.69	83.93	-1,474.07	4,214.40	2,662.21	2,476.27	185.95	14.317		
11,400.00	6,996.20	6,900.00	6,662.35	132.39	66.69	83.93	-1,474.07	4,214.40	2,675.27	2,488.31	186.96	14.309 SF		
11,500.00	6,997.23	6,900.00	6,662.35	135.16	66.69	83.93	-1,474.07	4,214.40	2,691.98	2,504.23	187.75	14.338		
11,600.00	6,998.26	6,900.00	6,662.35	137.93	66.69	83.93	-1,474.07	4,214.40	2,712.28	2,523.96	188.33	14.402		
11,700.00	6,999.30	6,900.00	6,662.35	140.70	66.69	83.93	-1,474.07	4,214.40	2,736.09	2,547.39	188.70	14.500		
11,800.00	7,000.33	6,900.00	6,662.35	143.48	66.69	83.93	-1,474.07	4,214.40	2,763.31	2,574.44	188.87	14.631		
11,900.00	7,001.36	6,900.00	6,662.35	146.26	66.69	83.93	-1,474.07	4,214.40	2,793.85	2,604.99	188.86	14.793		
12,000.00	7,002.39	6,900.00	6,662.35	149.04	66.69	83.93	-1,474.07	4,214.40	2,827.60	2,638.91	188.68	14.986		
12,100.00	7,003.42	6,900.00	6,662.35	151.82	66.69	83.93	-1,474.07	4,214.40	2,864.44	2,676.09	188.35	15.208		
12,200.00	7,004.45	6,900.00	6,662.35	154.61	66.69	83.93	-1,474.07	4,214.40	2,904.26	2,716.38	187.88	15.458		
12,300.00	7,005.48	6,900.00	6,662.35	157.40	66.69	83.93	-1,474.07	4,214.40	2,946.93	2,759.66	187.28	15.736		
12,400.00	7,006.51	6,900.00	6,662.35	160.19	66.69	83.93	-1,474.07	4,214.40	2,992.34	2,805.77	186.57	16.039		
12,500.00	7,007.54	6,900.00	6,662.35	162.98	66.69	83.93	-1,474.07	4,214.40	3,040.37	2,854.60	185.77	16.366		
12,600.00	7,008.57	6,900.00	6,662.35	165.78	66.69	83.93	-1,474.07	4,214.40	3,090.88	2,905.99	184.89	16.718		
12,700.00	7,009.61	6,900.00	6,662.35	168.58	66.69	83.93	-1,474.07	4,214.40	3,143.76	2,959.83	183.94	17.092		
12,800.00	7,010.64	6,900.00	6,662.35	171.38	66.69	83.93	-1,474.07	4,214.40	3,198.90	3,015.97	182.93	17.487		
12,900.00	7,011.67	6,900.00	6,662.35	174.18	66.69	83.93	-1,474.07	4,214.40	3,256.17	3,074.29	181.88	17.903		
13,000.00	7,012.70	6,900.00	6,662.35	176.98	66.69	83.93	-1,474.07	4,214.40	3,315.47	3,134.67	180.80	18.338		
13,100.00	7,013.73	6,900.00	6,662.35	179.78	66.69	83.93	-1,474.07	4,214.40	3,376.69	3,197.00	179.70	18.791		
13,200.00	7,014.76	6,900.00	6,662.35	182.59	66.69	83.93	-1,474.07	4,214.40	3,439.73	3,261.16	178.58	19.262		
13,300.00	7,015.79	6,900.00	6,662.35	185.39	66.69	83.93	-1,474.07	4,214.40	3,504.49	3,327.04	177.45	19.749		
13,400.00	7,016.82	6,900.00	6,662.35	188.20	66.69	83.93	-1,474.07	4,214.40	3,570.88	3,394.56	176.32	20.252		
13,500.00	7,017.85	6,900.00	6,662.35	191.01	66.69	83.93	-1,474.07	4,214.40	3,638.80	3,463.60	175.20	20.770		
13,600.00	7,018.88	6,900.00	6,662.35	193.82	66.69	83.93	-1,474.07	4,214.40	3,708.18	3,534.09	174.08	21.301		
13,700.00	7,019.91	6,900.00	6,662.35	196.63	66.69	83.93	-1,474.07	4,214.40	3,778.93	3,605.94	172.98	21.846		
13,800.00	7,020.95	6,900.00	6,662.35	199.44	66.69	83.93	-1,474.07	4,214.40	3,850.97	3,679.08	171.90	22.403		
13,900.00	7,021.98	6,900.00	6,662.35	202.26	66.69	83.93	-1,474.07	4,214.40	3,924.24	3,753.41	170.83	22.971		
14,000.00	7,023.01	6,900.00	6,662.35	205.07	66.69	83.93	-1,474.07	4,214.40	3,998.67	3,828.89	169.79	23.551		
14,100.00	7,024.04	6,900.00	6,662.35	207.89	66.69	83.93	-1,474.07	4,214.40	4,074.20	3,905.43	168.77	24.141		
14,200.00	7,025.07	6,900.00	6,662.35	210.70	66.69	83.93	-1,474.07	4,214.40	4,150.76	3,982.99	167.77	24.740		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
14,300.00	7,026.10	6,900.00	6,662.35	213.52	66.69	83.93	-1,474.07	4,214.40	4,228.30	4,061.50	166.80	25.349		
14,400.00	7,027.13	6,900.00	6,662.35	216.34	66.69	83.93	-1,474.07	4,214.40	4,306.76	4,140.90	165.86	25.966		
14,500.00	7,028.16	6,900.00	6,662.35	219.16	66.69	83.93	-1,474.07	4,214.40	4,386.11	4,221.16	164.94	26.591		
14,600.00	7,029.19	6,900.00	6,662.35	221.98	66.69	83.93	-1,474.07	4,214.40	4,466.28	4,302.22	164.05	27.224		
14,700.00	7,030.22	6,900.00	6,662.35	224.80	66.69	83.93	-1,474.07	4,214.40	4,547.23	4,384.04	163.19	27.864		
14,800.00	7,031.26	6,900.00	6,662.35	227.62	66.69	83.93	-1,474.07	4,214.40	4,628.93	4,466.58	162.36	28.511		
14,900.00	7,032.29	6,900.00	6,662.35	230.44	66.69	83.93	-1,474.07	4,214.40	4,711.34	4,549.79	161.55	29.164		
15,000.00	7,033.32	6,900.00	6,662.35	233.26	66.69	83.93	-1,474.07	4,214.40	4,794.42	4,633.65	160.76	29.823		
15,100.00	7,034.35	6,900.00	6,662.35	236.09	66.69	83.93	-1,474.07	4,214.40	4,878.13	4,718.12	160.01	30.487		
15,200.00	7,035.38	6,900.00	6,662.35	238.91	66.69	83.93	-1,474.07	4,214.40	4,962.44	4,803.17	159.27	31.157		
15,300.00	7,036.41	6,900.00	6,662.35	241.74	66.69	83.93	-1,474.07	4,214.40	5,047.33	4,888.77	158.56	31.832		
15,400.00	7,037.44	6,900.00	6,662.35	244.56	66.69	83.93	-1,474.07	4,214.40	5,132.76	4,974.89	157.88	32.511		
15,500.00	7,038.47	6,900.00	6,662.35	247.39	66.69	83.93	-1,474.07	4,214.40	5,218.71	5,061.50	157.22	33.195		
15,600.00	7,039.50	6,900.00	6,662.35	250.21	66.69	83.93	-1,474.07	4,214.40	5,305.15	5,148.58	156.57	33.883		
15,700.00	7,040.53	6,900.00	6,662.35	253.04	66.69	83.93	-1,474.07	4,214.40	5,392.07	5,236.11	155.96	34.574		
15,800.00	7,041.57	6,900.00	6,662.35	255.87	66.69	83.93	-1,474.07	4,214.40	5,479.42	5,324.07	155.36	35.270		
15,900.00	7,042.60	6,900.00	6,662.35	258.70	66.69	83.93	-1,474.07	4,214.40	5,567.21	5,412.43	154.78	35.969		
16,000.00	7,043.63	6,900.00	6,662.35	261.53	66.69	83.93	-1,474.07	4,214.40	5,655.39	5,501.18	154.22	36.671		
16,100.00	7,044.66	6,900.00	6,662.35	264.35	66.69	83.93	-1,474.07	4,214.40	5,743.97	5,590.29	153.68	37.377		
16,200.00	7,045.69	6,900.00	6,662.35	267.18	66.69	83.93	-1,474.07	4,214.40	5,832.91	5,679.76	153.16	38.085		
16,300.00	7,046.72	6,900.00	6,662.35	270.01	66.69	83.93	-1,474.07	4,214.40	5,922.21	5,769.56	152.65	38.796		
16,400.00	7,047.75	6,900.00	6,662.35	272.84	66.69	83.93	-1,474.07	4,214.40	6,011.85	5,859.69	152.16	39.510		
16,500.00	7,048.78	6,900.00	6,662.35	275.67	66.69	83.93	-1,474.07	4,214.40	6,101.80	5,950.12	151.69	40.226		
16,600.00	7,049.81	6,900.00	6,662.35	278.51	66.69	83.93	-1,474.07	4,214.40	6,192.07	6,040.84	151.23	40.945		
16,700.00	7,050.84	6,900.00	6,662.35	281.34	66.69	83.93	-1,474.07	4,214.40	6,282.63	6,131.84	150.79	41.665		
16,800.00	7,051.88	6,900.00	6,662.35	284.17	66.69	83.93	-1,474.07	4,214.40	6,373.47	6,223.11	150.36	42.388		
16,900.00	7,052.91	6,900.00	6,662.35	287.00	66.69	83.93	-1,474.07	4,214.40	6,464.58	6,314.64	149.94	43.113		
17,000.00	7,053.94	6,900.00	6,662.35	289.83	66.69	83.93	-1,474.07	4,214.40	6,555.95	6,406.41	149.54	43.840		
17,100.00	7,054.97	6,900.00	6,662.35	292.67	66.69	83.93	-1,474.07	4,214.40	6,647.57	6,498.42	149.15	44.568		
17,200.00	7,056.00	6,900.00	6,662.35	295.50	66.69	83.93	-1,474.07	4,214.40	6,739.43	6,590.65	148.78	45.299		
17,300.00	7,057.03	6,900.00	6,662.35	298.33	66.69	83.93	-1,474.07	4,214.40	6,831.52	6,683.11	148.41	46.030		
17,400.00	7,058.06	6,900.00	6,662.35	301.17	66.69	83.93	-1,474.07	4,214.40	6,923.82	6,775.77	148.06	46.764		
17,500.00	7,059.09	6,900.00	6,662.35	304.00	66.69	83.93	-1,474.07	4,214.40	7,016.34	6,868.62	147.72	47.498		
17,600.00	7,060.12	6,900.00	6,662.35	306.84	66.69	83.93	-1,474.07	4,214.40	7,109.06	6,961.68	147.39	48.234		
17,685.09	7,061.00	6,900.00	6,662.35	309.25	66.69	83.93	-1,474.07	4,214.40	7,188.11	7,040.99	147.11	48.862		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	99.06	-80.50	504.97	511.39					
100.00	100.00	99.42	99.42	3.28	3.29	99.10	-80.74	504.30	510.76	504.19	6.57	77.709		
200.00	200.00	202.21	202.19	3.34	3.33	99.18	-81.24	502.53	509.13	502.46	6.67	76.299		
300.00	299.98	300.98	300.93	3.45	3.44	102.43	-82.07	500.52	507.64	500.76	6.88	73.740		
344.58	344.52	343.18	343.13	3.51	3.50	102.67	-82.37	499.90	507.46	500.45	7.01	72.409 CC		
400.00	399.84	399.56	399.51	3.61	3.59	103.09	-82.64	499.21	507.58	500.38	7.20	70.540		
500.00	499.45	502.88	502.81	3.82	3.80	104.14	-82.92	497.39	507.95	500.34	7.61	66.768		
600.00	598.70	606.96	606.86	4.07	4.05	105.59	-83.08	494.73	508.62	500.51	8.10	62.764		
680.00	677.76	684.64	684.49	4.29	4.26	106.90	-82.98	492.32	509.62	501.08	8.53	59.717		
700.00	697.48	703.16	703.01	4.35	4.32	107.26	-83.06	491.81	510.09	501.44	8.64	59.006		
800.00	796.08	801.02	800.82	4.66	4.61	109.20	-84.28	489.22	513.13	503.88	9.25	55.487		
900.00	894.68	896.52	896.27	4.98	4.92	111.15	-86.15	486.55	516.84	506.95	9.89	52.270		
1,000.00	993.28	992.50	992.22	5.34	5.24	112.99	-87.46	484.72	521.82	511.25	10.56	49.391		
1,100.00	1,091.88	1,094.35	1,094.05	5.71	5.60	114.87	-88.57	482.84	527.32	516.03	11.29	46.692		
1,200.00	1,190.48	1,202.26	1,201.89	6.10	5.99	116.86	-89.52	479.33	532.01	519.93	12.07	44.064		
1,300.00	1,289.07	1,293.71	1,293.28	6.49	6.33	118.49	-89.82	476.01	536.69	523.88	12.80	41.917		
1,400.00	1,387.67	1,388.49	1,388.04	6.90	6.68	119.82	-87.95	475.20	543.24	529.69	13.55	40.103		
1,500.00	1,486.27	1,496.69	1,496.12	7.31	7.07	121.02	-83.20	475.10	549.64	535.29	14.35	38.298		
1,600.00	1,584.87	1,599.30	1,598.55	7.73	7.45	122.00	-77.07	474.70	555.21	540.06	15.15	36.648		
1,700.00	1,683.47	1,708.07	1,706.91	8.16	7.86	122.80	-67.81	473.88	559.31	543.32	15.99	34.986		
1,800.00	1,782.07	1,807.75	1,805.91	8.59	8.24	123.16	-56.15	474.51	563.10	546.30	16.80	33.519		
1,900.00	1,880.67	1,919.14	1,916.40	9.02	8.69	123.50	-42.07	474.81	566.17	548.49	17.67	32.034		
2,000.00	1,979.27	2,028.07	2,024.07	9.46	9.15	123.66	-25.62	473.57	566.68	548.13	18.55	30.547		
2,100.00	2,077.87	2,128.88	2,123.70	9.90	9.59	123.84	-10.34	471.80	566.68	547.27	19.41	29.193		
2,200.00	2,176.47	2,230.47	2,224.14	10.35	10.04	124.08	4.68	469.61	566.53	546.24	20.28	27.930		
2,300.00	2,275.07	2,333.00	2,325.59	10.79	10.50	124.41	19.28	466.59	566.00	544.84	21.17	26.742		
2,400.00	2,373.67	2,436.53	2,428.03	11.24	10.98	124.81	33.69	462.67	564.95	542.90	22.05	25.617		
2,500.00	2,472.27	2,538.45	2,528.88	11.69	11.45	125.26	47.81	458.19	563.44	540.50	22.94	24.559		
2,600.00	2,570.87	2,640.98	2,630.32	12.14	11.94	125.77	61.73	452.97	561.54	537.71	23.83	23.561		
2,700.00	2,669.47	2,743.26	2,731.51	12.59	12.42	126.34	75.39	447.06	559.21	534.48	24.73	22.617		
2,800.00	2,768.07	2,844.65	2,831.81	13.04	12.91	126.96	88.74	440.64	556.59	530.98	25.62	21.728		
2,900.00	2,866.67	2,945.41	2,931.49	13.50	13.39	127.63	101.77	433.81	553.79	527.29	26.51	20.894		
3,000.00	2,965.27	3,044.17	3,029.20	13.95	13.87	128.32	114.35	426.92	551.02	523.63	27.39	20.117		
3,100.00	3,063.87	3,139.62	3,123.71	14.41	14.33	129.01	126.15	420.55	548.81	520.54	28.27	19.413		
3,200.00	3,162.47	3,238.01	3,221.06	14.87	14.82	129.49	139.63	415.92	547.45	518.29	29.16	18.772		
3,300.00	3,261.07	3,337.31	3,319.31	15.32	15.30	130.00	153.16	411.01	546.00	515.94	30.06	18.163		
3,400.00	3,359.67	3,437.35	3,418.36	15.78	15.80	130.57	166.24	406.00	544.88	513.92	30.96	17.600		
3,500.00	3,458.27	3,536.34	3,516.39	16.24	16.28	131.17	178.96	400.68	543.66	511.81	31.85	17.067		
3,600.00	3,556.87	3,633.92	3,613.10	16.70	16.76	131.82	190.87	395.41	542.89	510.15	32.74	16.581		
3,700.00	3,655.47	3,737.22	3,715.48	17.16	17.27	132.52	203.44	389.83	542.22	508.58	33.65	16.116		
3,800.00	3,754.06	3,831.89	3,809.30	17.62	17.74	133.20	214.75	384.30	541.44	506.92	34.52	15.683		
3,805.21	3,759.20	3,836.69	3,814.06	17.64	17.76	133.24	215.28	384.02	541.44	506.87	34.57	15.663		
3,900.00	3,852.66	3,924.91	3,901.72	18.08	18.18	134.07	223.70	378.60	542.05	506.67	35.38	15.320		
4,000.00	3,951.26	4,007.64	3,984.09	18.54	18.56	135.04	229.21	373.43	544.74	508.56	36.17	15.059		
4,100.00	4,049.86	4,088.26	4,064.58	19.01	18.91	136.04	232.15	370.03	551.13	514.22	36.90	14.934		
4,200.00	4,148.46	4,177.60	4,153.84	19.47	19.27	137.38	231.79	366.49	560.71	523.05	37.66	14.888		
4,300.00	4,247.06	4,272.77	4,248.95	19.93	19.65	138.75	231.28	362.96	570.99	532.53	38.46	14.845		
4,400.00	4,345.66	4,364.40	4,340.54	20.39	20.01	140.00	229.95	360.65	583.04	543.82	39.23	14.863		
4,500.00	4,444.26	4,464.22	4,440.32	20.86	20.40	141.33	228.24	358.14	595.61	555.54	40.07	14.863		
4,600.00	4,542.86	4,558.84	4,534.90	21.32	20.77	142.47	227.10	356.19	608.39	567.52	40.87	14.887		
4,700.00	4,641.46	4,653.30	4,629.35	21.78	21.13	143.28	227.14	357.42	622.53	580.87	41.66	14.943		
4,800.00	4,740.06	4,756.11	4,732.15	22.25	21.53	144.06	227.81	359.00	636.49	593.94	42.55	14.959		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,838.66	4,858.10	4,834.12	22.71	21.94	144.78	229.08	360.41	649.99	606.55	43.43	14.965		
5,000.00	4,937.26	4,958.31	4,934.31	23.18	22.34	145.46	230.61	361.51	663.19	618.89	44.30	14.969		
5,100.00	5,035.86	5,060.50	5,036.49	23.64	22.76	146.15	232.23	362.32	676.25	631.06	45.20	14.962		
5,200.00	5,134.46	5,161.14	5,137.11	24.11	23.18	146.82	234.12	362.65	688.90	642.82	46.08	14.950		
5,300.00	5,233.06	5,261.52	5,237.47	24.57	23.60	147.47	236.04	362.74	701.47	654.51	46.96	14.937		
5,400.00	5,331.66	5,362.38	5,338.31	25.04	24.02	148.13	238.02	362.47	713.88	666.03	47.85	14.918		
5,500.00	5,430.26	5,470.28	5,446.18	25.50	24.48	148.83	240.61	361.49	725.67	676.87	48.81	14.868		
5,600.00	5,528.86	5,571.47	5,547.31	25.97	24.92	149.47	243.69	360.11	736.77	687.07	49.70	14.824		
5,700.00	5,627.46	5,640.79	5,616.62	26.43	25.20	149.90	244.59	359.99	749.96	699.68	50.27	14.918		
5,800.00	5,726.06	5,741.47	5,717.29	26.90	25.60	150.49	244.20	360.88	765.28	714.13	51.14	14.963		
5,900.00	5,824.66	5,847.62	5,823.44	27.36	26.03	151.09	244.78	361.26	779.61	727.52	52.08	14.969		
6,000.00	5,923.26	5,951.94	5,927.75	27.83	26.47	151.68	245.93	360.95	793.21	740.19	53.01	14.963		
6,100.00	6,021.86	6,055.55	6,031.35	28.30	26.91	152.27	247.44	359.99	806.26	752.32	53.93	14.949		
6,200.00	6,120.46	6,160.42	6,136.19	28.76	27.36	152.87	249.50	358.48	818.69	763.83	54.87	14.922		
6,300.00	6,219.06	6,254.12	6,229.84	29.23	27.76	153.41	251.50	356.52	830.77	775.08	55.69	14.917		
6,405.66	6,323.24	6,322.00	6,297.72	29.72	28.04	153.78	251.83	355.92	846.03	789.82	56.21	15.050		
6,450.00	6,366.93	6,357.21	6,332.92	29.93	28.17	130.75	251.53	356.70	852.83	796.35	56.48	15.099		
6,500.00	6,415.96	6,386.78	6,362.42	30.15	28.29	111.02	251.10	358.59	859.92	803.27	56.64	15.181		
6,550.00	6,464.44	6,417.00	6,392.48	30.37	28.40	98.45	250.50	361.67	866.28	809.50	56.79	15.255		
6,600.00	6,512.08	6,417.00	6,392.48	30.58	28.40	90.08	250.50	361.67	872.70	816.33	56.37	15.481		
6,650.00	6,558.58	6,458.87	6,433.68	30.78	28.54	85.02	249.19	368.89	877.73	821.06	56.66	15.490		
6,700.00	6,603.65	6,480.09	6,454.21	30.97	28.61	81.29	248.25	374.16	883.03	826.48	56.55	15.614		
6,750.00	6,647.02	6,512.00	6,484.48	31.15	28.72	78.80	246.51	384.09	888.18	831.53	56.65	15.678		
6,800.00	6,688.42	6,534.46	6,505.44	31.31	28.79	76.90	245.19	392.03	892.59	836.03	56.56	15.781		
6,850.00	6,727.59	6,579.10	6,546.85	31.46	28.92	76.05	242.78	408.52	895.78	838.80	56.99	15.719		
6,900.00	6,764.29	6,618.61	6,583.18	31.60	29.04	75.64	240.90	423.96	897.59	840.25	57.35	15.652		
6,950.00	6,798.30	6,650.09	6,611.52	31.73	29.13	75.39	239.52	437.57	898.59	841.01	57.59	15.604		
7,000.00	6,829.41	6,681.93	6,639.46	31.84	29.21	75.44	238.21	452.78	898.96	841.07	57.89	15.528		
7,050.00	6,857.42	6,718.56	6,670.67	32.03	29.31	75.86	236.83	471.89	898.71	840.32	58.39	15.392		
7,100.00	6,882.16	6,763.36	6,708.16	32.36	29.43	76.80	235.47	496.38	897.45	838.30	59.15	15.172		
7,150.00	6,903.48	6,807.64	6,744.61	32.73	29.55	78.04	234.52	521.51	895.22	835.23	59.98	14.924		
7,200.00	6,921.25	6,836.81	6,768.13	33.15	29.61	78.98	233.86	538.75	892.60	831.96	60.64	14.720		
7,250.00	6,935.36	6,868.13	6,792.89	33.61	29.69	80.16	233.04	557.90	889.90	828.47	61.42	14.488		
7,300.00	6,945.72	6,900.82	6,818.16	34.11	29.77	81.55	232.07	578.62	887.28	824.95	62.33	14.234		
7,350.00	6,952.26	6,941.55	6,848.63	34.65	30.00	83.41	231.09	605.63	884.64	821.15	63.49	13.933		
7,403.14	6,955.00	6,985.46	6,880.08	35.26	30.28	85.55	230.54	636.26	881.84	817.07	64.77	13.615		
7,500.00	6,955.99	7,060.39	6,929.57	36.49	30.86	88.73	230.36	692.46	879.18	812.08	67.10	13.103		
7,516.52	6,956.16	7,074.50	6,938.22	36.73	30.97	89.29	230.39	703.62	879.13	811.61	67.52	13.021		
7,600.00	6,957.03	7,138.35	6,975.14	37.93	31.57	91.66	230.47	755.70	880.60	811.06	69.53	12.665		
7,700.00	6,958.06	7,226.71	7,020.58	39.52	32.53	94.55	229.90	831.43	885.75	813.57	72.18	12.271		
7,800.00	6,959.09	7,332.11	7,061.11	41.25	33.91	97.07	228.93	928.58	892.16	816.90	75.26	11.854		
7,900.00	6,960.12	7,439.61	7,084.19	43.09	35.57	98.44	226.81	1,033.38	898.31	819.63	78.68	11.418		
8,000.00	6,961.15	7,572.76	7,096.34	45.04	38.00	99.08	224.84	1,165.95	902.35	819.28	83.07	10.863		
8,100.00	6,962.18	7,691.61	7,107.33	47.08	40.44	99.70	227.01	1,284.27	903.16	815.68	87.49	10.324		
8,200.00	6,963.21	7,795.21	7,114.84	49.20	42.74	100.12	229.63	1,387.56	903.06	811.26	91.80	9.837		
8,296.61	6,964.21	7,889.84	7,121.65	51.32	44.96	100.49	232.15	1,481.91	902.87	806.86	96.01	9.404		
8,300.00	6,964.24	7,893.08	7,121.81	51.39	45.04	100.50	232.22	1,485.14	902.87	806.71	96.15	9.390		
8,400.00	6,965.27	8,002.72	7,125.97	53.64	47.74	100.70	234.55	1,594.67	902.64	801.62	101.02	8.935		
8,500.00	6,966.30	8,099.71	7,129.79	55.95	50.22	100.90	237.45	1,691.55	901.56	795.88	105.69	8.531		
8,600.00	6,967.33	8,201.76	7,133.52	58.30	52.93	101.08	240.09	1,793.49	900.85	790.23	110.62	8.144		
8,700.00	6,968.37	8,296.01	7,136.84	60.70	55.49	101.24	242.47	1,887.66	900.18	784.75	115.43	7.798		
8,753.64	6,968.92	8,347.08	7,138.97	62.01	56.91	101.34	243.54	1,938.67	900.11	782.04	118.07	7.624		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	6,969.40	8,391.51	7,141.33	63.14	58.15	101.47	244.47	1,983.02	900.16	779.81	120.35	7.480		
8,900.00	6,970.43	8,480.40	7,147.12	65.60	60.67	101.78	245.95	2,071.72	900.95	775.86	125.09	7.202		
9,000.00	6,971.46	8,581.57	7,154.82	68.10	63.58	102.19	247.11	2,172.59	902.52	772.25	130.27	6.928		
9,100.00	6,972.49	8,690.83	7,161.96	70.63	66.77	102.56	248.90	2,281.59	903.41	767.63	135.78	6.654		
9,200.00	6,973.52	8,783.36	7,165.34	73.18	69.50	102.71	249.95	2,374.05	904.20	763.35	140.84	6.420		
9,300.00	6,974.55	8,895.80	7,168.05	75.75	72.86	102.80	251.23	2,486.45	904.70	758.03	146.66	6.169		
9,400.00	6,975.58	8,999.94	7,170.77	78.34	76.00	102.92	253.78	2,590.52	903.96	751.73	152.22	5.938		
9,439.44	6,975.99	9,033.51	7,171.40	79.36	77.01	102.94	254.41	2,624.08	903.83	749.64	154.19	5.862		
9,500.00	6,976.61	9,085.57	7,171.82	80.94	78.60	102.93	254.82	2,676.14	904.12	746.90	157.23	5.750		
9,600.00	6,977.64	9,174.87	7,171.67	83.56	81.32	102.84	254.30	2,765.44	905.73	743.32	162.42	5.577		
9,700.00	6,978.68	9,275.47	7,169.40	86.20	84.42	102.60	252.84	2,865.99	907.74	739.60	168.14	5.399		
9,800.00	6,979.71	9,369.43	7,167.63	88.85	87.32	102.39	251.07	2,959.92	910.25	736.63	173.62	5.243		
9,900.00	6,980.74	9,485.08	7,169.53	91.51	90.92	102.40	250.30	3,075.54	912.38	732.51	179.87	5.073		
10,000.00	6,981.77	9,601.13	7,174.96	94.19	94.55	102.68	253.05	3,191.42	912.11	726.15	185.97	4.905		
10,100.00	6,982.80	9,711.36	7,180.61	96.87	98.01	102.98	256.86	3,301.44	910.98	719.16	191.82	4.749		
10,200.00	6,983.83	9,798.21	7,183.64	99.56	100.75	103.14	259.83	3,388.19	909.55	712.56	196.99	4.617		
10,218.10	6,984.02	9,812.69	7,184.26	100.05	101.21	103.17	260.17	3,402.65	909.51	711.64	197.88	4.596		
10,300.00	6,984.86	9,884.97	7,187.41	102.27	103.50	103.32	261.23	3,474.85	910.03	707.91	202.12	4.503		
10,400.00	6,985.89	9,981.49	7,190.79	104.98	106.56	103.45	261.72	3,571.31	911.41	703.78	207.63	4.390		
10,500.00	6,986.92	10,081.54	7,194.46	107.69	109.75	103.60	262.23	3,671.29	912.84	699.56	213.28	4.280		
10,600.00	6,987.95	10,184.80	7,198.59	110.41	113.04	103.78	262.95	3,774.46	914.17	695.13	219.04	4.173		
10,700.00	6,988.99	10,289.26	7,202.72	113.14	116.38	103.96	264.21	3,878.84	915.01	690.16	224.85	4.069		
10,800.00	6,990.02	10,403.74	7,204.42	115.88	120.05	104.00	265.08	3,977.81	915.63	684.58	231.04	3.963		
10,900.00	6,991.05	10,488.25	7,204.42	118.62	122.77	103.92	265.43	4,077.80	916.34	679.93	236.41	3.876		
11,000.00	6,992.08	10,591.70	7,204.13	121.37	126.09	103.83	265.89	4,181.25	916.90	674.48	242.42	3.782		
11,100.00	6,993.11	10,701.37	7,203.96	124.12	129.62	103.74	267.25	4,290.91	916.72	668.07	248.65	3.687		
11,200.00	6,994.14	10,799.05	7,204.66	126.87	132.77	103.74	269.52	4,388.56	915.71	661.31	254.40	3.600		
11,218.25	6,994.33	10,813.10	7,204.73	127.37	133.23	103.74	269.72	4,402.61	915.67	660.35	255.32	3.586		
11,300.00	6,995.17	10,879.23	7,204.70	129.63	135.36	103.68	269.74	4,468.74	916.48	656.95	259.53	3.531		
11,400.00	6,996.20	10,974.24	7,204.70	132.39	138.44	103.59	268.94	4,563.75	918.36	653.11	265.25	3.462		
11,500.00	6,997.23	11,063.78	7,205.07	135.16	141.34	103.51	267.26	4,653.27	921.33	650.62	270.71	3.403		
11,600.00	6,998.26	11,178.92	7,206.33	137.93	145.08	103.47	265.80	4,768.39	923.89	646.61	277.28	3.332		
11,700.00	6,999.30	11,298.26	7,207.09	140.70	148.96	103.43	266.33	4,887.73	924.69	640.76	283.94	3.257		
11,800.00	7,000.33	11,402.98	7,206.08	143.48	152.36	103.31	268.18	4,992.42	923.81	633.72	290.09	3.185		
11,900.00	7,001.36	11,500.32	7,203.63	146.26	155.52	103.10	269.40	5,089.72	923.09	627.00	296.09	3.118		
12,000.00	7,002.39	11,613.15	7,202.12	149.04	159.19	102.95	271.58	5,202.51	921.99	619.44	302.55	3.047		
12,100.00	7,003.42	11,734.52	7,202.36	151.82	163.14	102.95	277.62	5,323.73	918.14	609.12	309.02	2.971		
12,200.00	7,004.45	11,812.68	7,202.21	154.61	165.68	102.92	280.98	5,401.82	915.00	600.64	314.36	2.911		
12,263.18	7,005.10	11,858.42	7,201.86	156.37	167.17	102.88	281.86	5,447.55	914.40	596.85	317.55	2.880		
12,300.00	7,005.48	11,885.08	7,201.64	157.40	168.04	102.84	281.95	5,474.20	914.60	595.24	319.36	2.864		
12,400.00	7,006.51	12,004.87	7,202.00	160.19	171.95	102.79	283.37	5,593.97	914.58	588.50	326.08	2.805		
12,444.07	7,006.97	12,039.34	7,202.48	161.42	173.08	102.80	284.05	5,628.43	914.35	586.01	328.34	2.785		
12,500.00	7,007.54	12,085.00	7,203.12	162.98	174.57	102.80	284.38	5,674.08	914.73	583.48	331.25	2.761		
12,600.00	7,008.57	12,165.19	7,202.93	165.78	177.20	102.71	283.30	5,754.26	917.04	580.65	336.39	2.726		
12,700.00	7,009.61	12,264.55	7,200.60	168.58	180.45	102.45	280.35	5,853.55	920.52	577.93	342.59	2.687		
12,800.00	7,010.64	12,382.30	7,198.59	171.38	184.31	102.20	278.26	5,971.26	922.99	573.38	349.61	2.640		
12,900.00	7,011.67	12,455.36	7,197.26	174.18	186.71	102.04	276.33	6,044.29	926.18	571.72	354.47	2.613		
13,000.00	7,012.70	12,553.62	7,194.95	176.98	189.93	101.77	272.40	6,142.44	930.72	570.09	360.63	2.581		
13,100.00	7,013.73	12,650.57	7,192.50	179.78	193.11	101.50	268.35	6,239.26	935.42	568.69	366.73	2.551		
13,200.00	7,014.76	12,807.89	7,186.48	182.59	198.27	100.99	266.55	6,396.44	936.72	560.99	375.73	2.493		
13,300.00	7,015.79	12,917.15	7,183.16	185.39	201.85	100.74	269.43	6,505.61	934.66	552.41	382.25	2.445		
13,400.00	7,016.82	13,026.86	7,179.05	188.20	205.44	100.45	272.90	6,615.19	932.00	543.21	388.79	2.397		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,500.00	7,017.85	13,103.33	7,176.35	191.01	207.95	100.25	274.85	6,691.58	930.00	535.68	394.32	2.359		
13,600.00	7,018.88	13,215.29	7,174.27	193.82	211.63	100.06	276.86	6,803.50	929.09	528.20	400.89	2.318		
13,700.00	7,019.91	13,337.29	7,171.06	196.63	215.62	99.82	281.95	6,925.34	925.62	517.97	407.65	2.271		
13,800.00	7,020.95	13,426.13	7,167.97	199.44	218.53	99.61	286.36	7,014.02	921.35	507.72	413.63	2.227		
13,900.00	7,021.98	13,498.00	7,165.54	202.26	220.89	99.42	287.47	7,085.83	920.23	501.23	418.99	2.196		
13,900.92	7,021.99	13,498.00	7,165.54	202.28	220.89	99.42	287.47	7,085.83	920.22	501.21	419.02	2.196		
14,000.00	7,023.01	13,596.19	7,162.37	205.07	224.12	99.15	287.40	7,183.98	920.92	495.69	425.22	2.166		
14,100.00	7,024.04	13,677.32	7,161.91	207.89	226.79	99.05	287.31	7,265.09	922.10	491.55	430.55	2.142		
14,200.00	7,025.07	13,799.54	7,163.24	210.70	230.82	99.05	287.89	7,387.30	922.94	485.41	437.53	2.109		
14,215.92	7,025.23	13,813.13	7,163.11	211.15	231.27	99.03	288.05	7,400.89	922.92	484.50	438.42	2.105		
14,300.00	7,026.10	13,886.16	7,161.08	213.52	233.67	98.85	288.10	7,473.88	923.48	480.25	443.24	2.084		
14,400.00	7,027.13	13,990.55	7,156.34	216.34	237.11	98.48	287.60	7,578.17	924.44	474.62	449.83	2.055		
14,500.00	7,028.16	14,091.92	7,151.77	219.16	240.45	98.12	287.50	7,679.43	925.07	468.80	456.27	2.027		
14,600.00	7,029.19	14,186.84	7,150.50	221.98	243.58	97.97	287.70	7,774.33	925.87	463.61	462.25	2.003		
14,700.00	7,030.22	14,275.24	7,149.65	224.80	246.50	97.85	287.03	7,862.73	927.67	459.77	467.90	1.983		
14,800.00	7,031.26	14,371.02	7,148.43	227.62	249.66	97.69	285.14	7,958.48	930.63	456.72	473.91	1.964		
14,900.00	7,032.29	14,492.21	7,147.37	230.44	253.66	97.53	285.06	8,079.66	931.66	450.56	481.10	1.937		
15,000.00	7,033.32	14,587.55	7,146.38	233.26	256.81	97.40	285.18	8,175.00	932.59	445.50	487.10	1.915		
15,100.00	7,034.35	14,685.18	7,146.08	236.09	260.03	97.31	285.15	8,272.63	933.79	440.64	493.15	1.894		
15,200.00	7,035.38	14,776.91	7,146.04	238.91	263.06	97.24	284.72	8,364.35	935.46	436.54	498.92	1.875		
15,300.00	7,036.41	14,871.80	7,145.92	241.74	266.20	97.15	283.19	8,459.23	938.24	433.41	504.83	1.859		
15,400.00	7,037.44	14,975.66	7,145.80	244.56	269.64	97.06	281.82	8,563.08	940.73	429.53	511.20	1.840		
15,500.00	7,038.47	15,096.48	7,145.30	247.39	273.63	96.94	281.23	8,683.90	942.46	424.15	518.31	1.818		
15,600.00	7,039.50	15,201.30	7,145.40	250.21	277.09	96.88	282.84	8,788.70	942.15	417.52	524.63	1.796		
15,617.28	7,039.68	15,218.61	7,145.40	250.70	277.66	96.87	283.11	8,806.01	942.09	416.40	525.69	1.792		
15,700.00	7,040.53	15,277.44	7,145.14	253.04	279.61	96.81	283.13	8,864.84	942.97	413.19	529.78	1.780		
15,800.00	7,041.57	15,384.41	7,144.18	255.87	283.15	96.67	281.74	8,971.80	945.41	409.07	536.33	1.763		
15,900.00	7,042.60	15,519.68	7,143.10	258.70	287.62	96.52	283.63	9,107.04	945.20	401.43	543.77	1.738		
16,000.00	7,043.63	15,661.74	7,141.51	261.53	292.29	96.38	291.78	9,248.84	940.55	390.12	550.43	1.709		
16,100.00	7,044.66	15,744.46	7,141.75	264.35	295.00	96.37	297.33	9,331.38	935.06	378.61	556.46	1.680		
16,200.00	7,045.69	15,825.54	7,143.22	267.18	297.67	96.43	301.68	9,412.32	931.15	368.92	562.23	1.656		
16,300.00	7,046.72	15,904.27	7,144.83	270.01	300.27	96.49	304.24	9,490.99	929.37	361.67	567.70	1.637		
16,326.69	7,047.00	15,925.20	7,145.12	270.77	300.96	96.50	304.60	9,511.92	929.29	360.17	569.12	1.633		
16,400.00	7,047.75	15,997.06	7,146.04	272.84	303.34	96.51	305.48	9,583.77	929.39	355.87	573.53	1.620		
16,500.00	7,048.78	16,123.55	7,147.89	275.67	307.52	96.55	308.46	9,710.20	928.53	348.15	580.37	1.600		
16,600.00	7,049.81	16,217.53	7,150.16	278.51	310.62	96.64	312.05	9,804.09	926.21	339.97	586.24	1.580		
16,700.00	7,050.84	16,306.62	7,151.72	281.34	313.56	96.69	314.63	9,893.13	924.77	332.79	591.98	1.562		
16,800.00	7,051.88	16,422.89	7,152.36	284.17	317.40	96.67	318.12	10,009.33	923.07	324.54	598.53	1.542		
16,850.09	7,052.39	16,448.69	7,152.45	285.59	318.26	96.66	318.51	10,035.14	922.68	321.80	600.89	1.536		
16,900.00	7,052.91	16,482.06	7,152.50	287.00	319.36	96.64	318.62	10,068.51	923.13	319.89	603.24	1.530		
17,000.00	7,053.94	16,582.75	7,152.40	289.83	322.70	96.56	317.57	10,169.19	925.38	315.91	609.47	1.518		
17,100.00	7,054.97	16,671.25	7,152.40	292.67	325.63	96.49	316.72	10,257.68	927.57	312.53	615.04	1.508		
17,200.00	7,056.00	16,760.79	7,152.40	295.50	328.60	96.41	314.61	10,347.19	931.13	310.53	620.60	1.500		
17,300.00	7,057.03	16,845.00	7,152.40	298.33	331.39	96.33	311.99	10,431.37	935.53	309.84	625.70	1.495 Level 3, ES, SF		
17,400.00	7,058.06	16,845.00	7,152.40	301.17	331.39	96.33	311.99	10,431.37	946.57	325.71	620.86	1.525		
17,500.00	7,059.09	16,845.00	7,152.40	304.00	331.39	96.33	311.99	10,431.37	967.86	358.17	609.69	1.587		
17,600.00	7,060.12	16,845.00	7,152.40	306.84	331.39	96.33	311.99	10,431.37	998.76	405.42	593.34	1.683		
17,685.09	7,061.00	16,845.00	7,152.40	309.25	331.39	96.33	311.99	10,431.37	1,031.97	455.59	576.38	1.790		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SRC Wiedeman #12-5-4CHZ - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 39-MWD													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	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	102.40	-110.37	501.91	513.95							
100.00	100.00	98.49	98.48	3.28	3.30	102.49	-110.89	500.82	512.98	506.40	6.58	77.914				
200.00	200.00	199.49	199.47	3.34	3.37	102.60	-111.67	499.54	511.91	505.20	6.71	76.267				
300.00	299.98	302.14	302.10	3.45	3.51	105.83	-112.32	497.79	510.86	503.91	6.95	73.463				
387.11	386.97	389.44	389.38	3.58	3.66	106.40	-112.76	496.03	510.45	503.21	7.24	70.479	CC			
400.00	399.84	402.26	402.20	3.61	3.69	106.51	-112.83	495.77	510.46	503.17	7.29	70.013				
500.00	499.45	508.52	508.42	3.82	3.93	107.64	-113.44	493.00	510.64	502.91	7.73	66.030				
600.00	598.70	612.73	612.55	4.07	4.20	109.17	-114.02	488.93	510.88	502.63	8.25	61.924	ES			
680.00	677.76	686.21	685.97	4.29	4.41	110.47	-114.52	486.14	512.28	503.60	8.68	59.031				
700.00	697.48	705.11	704.87	4.35	4.47	110.84	-114.68	485.52	512.90	504.10	8.79	58.331				
800.00	796.08	806.16	805.85	4.66	4.78	112.78	-115.28	481.94	515.97	506.55	9.42	54.781				
900.00	894.68	896.17	895.82	4.98	5.08	114.47	-116.02	479.38	520.34	510.29	10.05	51.789				
1,000.00	993.28	993.56	993.19	5.34	5.42	116.27	-117.08	477.46	526.16	515.42	10.74	49.005				
1,100.00	1,091.88	1,094.96	1,094.53	5.71	5.78	118.18	-118.75	474.95	532.29	520.82	11.47	46.402				
1,200.00	1,190.48	1,195.78	1,195.27	6.10	6.15	120.14	-121.12	471.44	538.41	526.18	12.23	44.024				
1,300.00	1,289.07	1,293.29	1,292.68	6.49	6.53	122.04	-123.72	467.74	545.03	532.03	13.00	41.939				
1,400.00	1,387.67	1,390.03	1,389.31	6.90	6.91	123.89	-126.44	464.18	552.42	538.65	13.77	40.106				
1,500.00	1,486.27	1,485.87	1,485.07	7.31	7.29	125.63	-128.97	461.13	560.72	546.16	14.56	38.511				
1,600.00	1,584.87	1,584.64	1,583.80	7.73	7.68	127.26	-130.78	458.72	569.70	554.33	15.37	37.071				
1,700.00	1,683.47	1,690.51	1,689.58	8.16	8.11	129.01	-132.65	455.21	578.41	562.19	16.22	35.659				
1,800.00	1,782.07	1,778.32	1,777.23	8.59	8.48	130.62	-136.19	451.29	588.03	571.03	17.00	34.592				
1,900.00	1,880.67	1,867.33	1,865.90	9.02	8.85	132.45	-142.48	446.69	599.62	581.84	17.79	33.708				
2,000.00	1,979.27	1,959.35	1,957.49	9.46	9.25	134.33	-150.18	442.26	613.03	594.43	18.60	32.960				
2,100.00	2,077.87	2,050.97	2,048.76	9.90	9.64	136.02	-157.46	439.20	627.92	608.51	19.40	32.361				
2,200.00	2,176.47	2,155.65	2,152.93	10.35	10.10	137.99	-166.65	434.58	643.24	622.94	20.30	31.683				
2,300.00	2,275.07	2,250.04	2,246.78	10.79	10.52	139.77	-175.34	429.46	658.84	637.69	21.14	31.160				
2,400.00	2,373.67	2,338.47	2,334.80	11.24	10.91	141.25	-183.12	426.08	675.78	653.85	21.94	30.806				
2,500.00	2,472.27	2,431.50	2,427.47	11.69	11.32	142.63	-191.02	424.06	694.04	671.29	22.75	30.501				
2,600.00	2,570.87	2,544.11	2,539.60	12.14	11.83	144.30	-200.40	419.91	711.64	687.92	23.73	29.994				
2,700.00	2,669.47	2,638.22	2,633.26	12.59	12.25	145.71	-208.36	415.23	729.07	704.50	24.57	29.673				
2,800.00	2,768.07	2,733.98	2,728.56	13.04	12.69	147.07	-216.53	410.73	747.16	721.73	25.43	29.385				
2,900.00	2,866.67	2,828.66	2,822.84	13.50	13.12	148.31	-224.42	406.89	765.83	739.56	26.27	29.150				
3,000.00	2,965.27	2,923.07	2,916.91	13.95	13.55	149.39	-231.90	404.31	785.22	758.11	27.11	28.962				
3,100.00	3,063.87	3,023.03	3,016.41	14.41	14.01	150.60	-240.53	400.17	804.76	776.76	28.00	28.742				
3,200.00	3,162.47	3,133.47	3,126.38	14.87	14.52	151.85	-249.53	395.46	824.22	795.24	28.97	28.448				
3,300.00	3,261.07	3,251.84	3,244.34	15.32	15.06	153.15	-256.11	388.21	840.69	810.69	30.00	28.026				
3,400.00	3,359.67	3,351.75	3,343.99	15.78	15.51	154.14	-260.48	382.54	856.76	825.87	30.89	27.740				
3,500.00	3,458.27	3,441.11	3,433.16	16.24	15.92	154.95	-264.22	378.06	873.20	841.50	31.70	27.545				
3,600.00	3,556.87	3,545.11	3,536.92	16.70	16.39	155.87	-269.32	373.09	890.59	857.97	32.62	27.303				
3,700.00	3,655.47	3,639.46	3,631.04	17.16	16.82	156.69	-273.28	367.98	907.27	873.80	33.47	27.104				
3,800.00	3,754.06	3,730.83	3,721.98	17.62	17.24	157.60	-278.91	361.21	925.03	890.72	34.31	26.960				
3,900.00	3,852.66	3,824.89	3,815.57	18.08	17.69	158.53	-285.17	354.14	943.46	908.29	35.17	26.825				
4,000.00	3,951.26	3,920.74	3,910.91	18.54	18.14	159.45	-291.85	346.81	962.37	926.32	36.05	26.698				
4,100.00	4,049.86	4,020.41	4,010.07	19.01	18.61	160.35	-298.61	339.50	981.46	944.51	36.95	26.561				
4,200.00	4,148.46	4,104.39	4,093.65	19.47	19.01	161.07	-304.38	333.64	1,001.01	963.28	37.73	26.533				
4,300.00	4,247.06	4,194.74	4,183.51	19.93	19.44	161.81	-311.84	328.00	1,022.22	983.67	38.55	26.516				
4,400.00	4,345.66	4,308.71	4,297.01	20.39	19.98	162.64	-320.18	321.70	1,043.03	1,003.46	39.57	26.357				
4,500.00	4,444.26	4,399.49	4,387.52	20.86	20.40	163.21	-325.61	317.34	1,062.98	1,022.59	40.40	26.314				
4,600.00	4,542.86	4,500.15	4,487.88	21.32	20.87	163.80	-332.18	313.13	1,083.74	1,042.44	41.30	26.242				
4,700.00	4,641.46	4,591.66	4,579.19	21.78	21.28	164.25	-337.43	310.55	1,104.28	1,062.16	42.11	26.221				
4,800.00	4,740.06	4,747.32	4,734.76	22.25	21.90	164.62	-341.15	311.64	1,122.85	1,079.50	43.35	25.899				
4,900.00	4,838.66	4,855.10	4,842.53	22.71	22.30	164.80	-340.19	312.61	1,138.39	1,094.16	44.23	25.740				

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,960.75	4,948.17	23.18	22.69	165.01	-338.74	312.69	1,153.24	1,108.14	45.10	25.573		
5,100.00	5,035.86	5,062.89	5,050.30	23.64	23.09	165.24	-337.16	311.82	1,167.66	1,121.70	45.96	25.408		
5,200.00	5,134.46	5,163.32	5,150.70	24.11	23.49	165.50	-335.63	310.29	1,181.92	1,135.11	46.82	25.246		
5,300.00	5,233.06	5,240.74	5,228.11	24.57	23.80	165.70	-334.86	309.22	1,196.80	1,149.26	47.54	25.175		
5,400.00	5,331.66	5,328.10	5,315.47	25.04	24.16	165.86	-335.46	309.64	1,213.71	1,165.39	48.32	25.121		
5,500.00	5,430.26	5,443.80	5,431.17	25.50	24.62	166.08	-335.53	309.66	1,229.97	1,180.69	49.28	24.960		
5,600.00	5,528.86	5,534.52	5,521.88	25.97	25.00	166.28	-335.17	308.93	1,245.60	1,195.52	50.09	24.869		
5,700.00	5,627.46	5,637.88	5,625.22	26.43	25.43	166.55	-335.86	307.12	1,261.98	1,211.00	50.99	24.752		
5,800.00	5,726.06	5,756.96	5,744.27	26.90	25.93	166.86	-335.13	304.61	1,277.07	1,225.08	51.98	24.568		
5,900.00	5,824.66	5,834.24	5,821.52	27.36	26.26	167.06	-334.69	302.87	1,292.19	1,239.47	52.72	24.512		
6,000.00	5,923.26	5,949.60	5,936.88	27.83	26.73	167.30	-334.26	301.72	1,307.89	1,254.21	53.68	24.364		
6,100.00	6,021.86	6,058.70	6,045.94	28.30	27.16	167.47	-331.90	301.16	1,321.96	1,267.37	54.59	24.217		
6,200.00	6,120.46	6,132.31	6,119.55	28.76	27.46	167.60	-330.99	300.58	1,336.87	1,281.57	55.29	24.177		
6,300.00	6,219.06	6,256.19	6,243.40	29.23	27.97	167.84	-329.24	298.94	1,351.40	1,295.09	56.31	23.999		
6,405.66	6,323.24	6,343.88	6,331.07	29.72	28.32	167.98	-328.15	298.28	1,367.13	1,310.02	57.12	23.936		
6,450.00	6,366.93	6,409.64	6,396.83	29.93	28.58	144.98	-327.02	297.68	1,373.17	1,315.54	57.63	23.829		
6,500.00	6,415.96	6,447.20	6,434.37	30.15	28.73	125.30	-326.12	297.30	1,378.76	1,320.79	57.98	23.781		
6,550.00	6,464.44	6,476.51	6,463.68	30.37	28.85	112.69	-325.68	297.67	1,384.08	1,325.82	58.27	23.754		
6,600.00	6,512.08	6,518.00	6,505.13	30.58	29.01	104.83	-325.52	299.27	1,389.25	1,330.62	58.63	23.696		
6,650.00	6,558.58	6,518.00	6,505.13	30.78	29.01	99.18	-325.52	299.27	1,394.15	1,335.48	58.68	23.760		
6,700.00	6,603.65	6,553.29	6,540.28	30.97	29.14	95.61	-325.84	302.33	1,398.87	1,339.91	58.96	23.724		
6,750.00	6,647.02	6,575.79	6,562.55	31.15	29.22	92.90	-326.29	305.49	1,403.70	1,344.55	59.15	23.732		
6,800.00	6,688.42	6,613.00	6,599.02	31.31	29.36	91.12	-327.45	312.73	1,408.67	1,349.21	59.46	23.691		
6,850.00	6,727.59	6,613.00	6,599.02	31.46	29.36	89.18	-327.45	312.73	1,413.36	1,353.93	59.44	23.779		
6,900.00	6,764.29	6,641.00	6,626.07	31.60	29.45	88.10	-328.71	319.86	1,418.18	1,358.50	59.68	23.762		
6,950.00	6,798.30	6,661.77	6,645.84	31.73	29.52	87.14	-329.88	326.09	1,423.10	1,363.22	59.88	23.764		
7,000.00	6,829.41	6,682.52	6,665.33	31.84	29.59	86.40	-331.25	333.09	1,428.10	1,367.98	60.12	23.754		
7,050.00	6,857.42	6,708.00	6,688.82	32.03	29.67	85.93	-333.20	342.75	1,433.19	1,372.74	60.45	23.709		
7,100.00	6,882.16	6,764.60	6,740.35	32.36	29.84	86.40	-337.31	365.81	1,437.93	1,376.78	61.15	23.515		
7,150.00	6,903.48	6,836.81	6,805.65	32.73	30.05	87.55	-340.95	396.41	1,441.50	1,379.46	62.03	23.238		
7,200.00	6,921.25	6,910.39	6,870.82	33.15	30.27	88.97	-342.64	430.50	1,444.02	1,381.09	62.94	22.944		
7,250.00	6,935.36	6,963.74	6,914.80	33.61	30.41	89.92	-342.72	460.64	1,445.93	1,382.22	63.71	22.695		
7,300.00	6,945.72	7,023.48	6,959.34	34.11	30.58	91.03	-341.79	500.40	1,447.23	1,382.66	64.57	22.413		
7,350.00	6,952.26	7,076.87	6,997.95	34.65	30.76	92.18	-340.35	537.25	1,448.12	1,382.70	65.42	22.135		
7,403.14	6,955.00	7,111.29	7,022.33	35.26	30.93	92.96	-339.27	561.52	1,449.12	1,382.89	66.23	21.879		
7,500.00	6,955.99	7,167.49	7,059.42	36.49	31.26	94.40	-338.24	603.71	1,453.35	1,385.59	67.76	21.448		
7,600.00	6,957.03	7,267.49	7,114.94	37.93	32.03	96.54	-337.93	686.71	1,460.46	1,390.58	69.88	20.898		
7,700.00	6,958.06	7,391.52	7,163.21	39.52	33.34	98.37	-337.96	800.77	1,467.12	1,394.47	72.65	20.195		
7,800.00	6,959.09	7,549.43	7,198.65	41.25	35.56	99.65	-339.26	954.41	1,473.37	1,396.92	76.45	19.271		
7,900.00	6,960.12	7,691.43	7,209.49	43.09	38.00	100.02	-336.67	1,095.94	1,473.82	1,393.17	80.65	18.275		
7,917.55	6,960.30	7,703.98	7,210.21	43.43	38.24	100.04	-336.38	1,108.47	1,473.80	1,392.58	81.22	18.147		
8,000.00	6,961.15	7,759.39	7,213.29	45.04	39.33	100.14	-335.75	1,163.79	1,474.61	1,390.77	83.84	17.588		
8,100.00	6,962.18	7,819.18	7,216.46	47.08	40.55	100.22	-336.36	1,223.50	1,477.77	1,390.78	86.99	16.987		
8,200.00	6,963.21	7,885.00	7,220.06	49.20	41.96	100.31	-339.33	1,289.14	1,484.06	1,393.69	90.37	16.422		
8,300.00	6,964.24	7,945.91	7,223.93	51.39	43.35	100.40	-343.49	1,349.78	1,492.76	1,399.01	93.75	15.923		
8,400.00	6,965.27	8,238.62	7,267.46	53.64	50.48	101.94	-338.29	1,638.51	1,493.28	1,390.42	102.86	14.518		
8,500.00	6,966.30	8,338.88	7,276.23	55.95	53.09	102.27	-332.03	1,738.17	1,490.09	1,382.49	107.59	13.849		
8,600.00	6,967.33	8,474.48	7,276.53	58.30	56.73	102.27	-324.51	1,873.53	1,485.84	1,372.44	113.40	13.103		
8,700.00	6,968.37	8,574.65	7,276.04	60.70	59.48	102.26	-317.61	1,973.45	1,480.09	1,361.64	118.45	12.495		
8,800.00	6,969.40	8,656.07	7,275.12	63.14	61.76	102.23	-312.81	2,054.73	1,475.17	1,352.04	123.13	11.981		
8,900.00	6,970.43	8,742.53	7,274.23	65.60	64.22	102.18	-308.62	2,141.08	1,471.32	1,343.32	128.00	11.495		
9,000.00	6,971.46	8,814.67	7,274.08	68.10	66.31	102.16	-306.04	2,213.17	1,468.88	1,336.34	132.53	11.083		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,072.28	6,972.20	8,864.85	7,274.15	69.93	67.77	102.15	-305.06	2,263.34	1,468.31	1,332.55	135.76	10.815		
9,100.00	6,972.49	8,883.52	7,274.30	70.63	68.32	102.14	-304.87	2,282.01	1,468.40	1,331.42	136.98	10.720		
9,200.00	6,973.52	8,963.52	7,275.54	73.18	70.68	102.15	-305.08	2,361.99	1,470.00	1,328.24	141.76	10.370		
9,300.00	6,974.55	9,074.08	7,276.88	75.75	73.99	102.14	-305.39	2,472.55	1,471.62	1,324.09	147.53	9.975		
9,400.00	6,975.58	9,200.33	7,280.41	78.34	77.80	102.23	-303.90	2,598.73	1,472.21	1,318.42	153.79	9.573		
9,500.00	6,976.61	9,300.21	7,283.28	80.94	80.84	102.30	-301.48	2,698.55	1,471.54	1,312.26	159.28	9.239		
9,600.00	6,977.64	9,410.01	7,286.67	83.56	84.20	102.40	-298.62	2,808.25	1,470.75	1,305.66	165.09	8.909		
9,700.00	6,978.68	9,509.56	7,287.66	86.20	87.27	102.41	-296.04	2,907.76	1,469.53	1,298.85	170.68	8.610		
9,783.09	6,979.53	9,575.78	7,287.82	88.40	89.32	102.39	-294.88	2,973.98	1,469.05	1,294.20	174.85	8.402		
9,800.00	6,979.71	9,589.26	7,287.88	88.85	89.73	102.39	-294.73	2,987.45	1,469.07	1,293.37	175.70	8.361		
9,900.00	6,980.74	9,661.94	7,288.41	91.51	92.00	102.37	-294.64	3,060.13	1,470.21	1,289.74	180.48	8.146		
10,000.00	6,981.77	9,732.95	7,289.03	94.19	94.22	102.35	-295.93	3,131.13	1,473.28	1,288.11	185.17	7.956		
10,100.00	6,982.80	9,817.83	7,288.47	96.87	96.88	102.26	-299.46	3,215.93	1,478.22	1,287.85	190.37	7.765		
10,200.00	6,983.83	9,967.20	7,288.29	99.56	101.59	102.15	-303.29	3,365.24	1,481.88	1,283.98	197.90	7.488		
10,300.00	6,984.86	10,130.53	7,286.12	102.27	106.76	101.99	-301.74	3,528.53	1,481.95	1,276.26	205.69	7.205		
10,400.00	6,985.89	10,279.50	7,284.57	104.98	111.47	101.93	-293.36	3,677.26	1,477.13	1,264.36	212.76	6.943		
10,500.00	6,986.92	10,367.40	7,284.18	107.69	114.25	101.92	-287.53	3,764.95	1,471.65	1,253.41	218.24	6.743		
10,600.00	6,987.95	10,444.81	7,284.18	110.41	116.70	101.91	-283.28	3,842.25	1,467.38	1,243.94	223.45	6.567		
10,700.00	6,988.99	10,528.92	7,283.86	113.14	119.39	101.89	-279.88	3,926.29	1,464.45	1,235.62	228.83	6.400		
10,800.00	6,990.02	10,618.12	7,282.95	115.88	122.24	101.83	-277.23	4,015.45	1,462.43	1,228.05	234.38	6.240		
10,900.00	6,991.05	10,698.80	7,282.02	118.62	124.83	101.76	-275.58	4,096.10	1,461.32	1,221.65	239.67	6.097		
10,922.78	6,991.28	10,716.33	7,281.77	119.25	125.39	101.75	-275.40	4,113.63	1,461.28	1,220.43	240.84	6.067		
11,000.00	6,992.08	10,777.72	7,280.68	121.37	127.37	101.68	-275.29	4,175.00	1,461.71	1,216.83	244.89	5.969		
11,100.00	6,993.11	10,889.61	7,277.42	124.12	130.97	101.49	-276.21	4,286.85	1,463.12	1,211.84	251.28	5.823		
11,200.00	6,994.14	11,035.59	7,274.88	126.87	135.68	101.34	-272.70	4,432.75	1,461.39	1,202.74	258.65	5.650		
11,300.00	6,995.17	11,118.00	7,274.48	129.63	138.33	101.31	-269.80	4,515.11	1,458.99	1,194.94	264.05	5.525		
11,393.56	6,996.14	11,187.37	7,274.36	132.22	140.58	101.28	-268.32	4,584.46	1,458.10	1,189.26	268.84	5.424		
11,400.00	6,996.20	11,191.90	7,274.35	132.39	140.72	101.28	-268.28	4,588.99	1,458.10	1,188.95	269.15	5.417		
11,500.00	6,997.23	11,265.78	7,273.76	135.16	143.12	101.22	-268.36	4,662.86	1,459.16	1,184.96	274.21	5.321		
11,600.00	6,998.26	11,347.43	7,271.29	137.93	145.77	101.07	-270.16	4,744.46	1,461.84	1,182.28	279.55	5.229		
11,700.00	6,999.30	11,464.94	7,266.76	140.70	149.58	100.81	-273.38	4,861.84	1,465.01	1,178.68	286.33	5.116		
11,800.00	7,000.33	11,558.31	7,264.22	143.48	152.62	100.66	-274.42	4,955.16	1,466.76	1,174.62	292.14	5.021		
11,900.00	7,001.36	11,659.54	7,264.61	146.26	155.92	100.61	-276.07	5,056.37	1,469.57	1,171.40	298.17	4.929		
12,000.00	7,002.39	11,723.00	7,264.30	149.04	157.99	100.57	-276.64	5,119.83	1,472.11	1,169.40	302.71	4.863 SF		
12,100.00	7,003.42	11,723.00	7,264.30	151.82	157.99	100.57	-276.64	5,119.83	1,480.33	1,176.55	303.78	4.873		
12,200.00	7,004.45	11,723.00	7,264.30	154.61	157.99	100.57	-276.64	5,119.83	1,495.21	1,191.66	303.55	4.926		
12,300.00	7,005.48	11,723.00	7,264.30	157.40	157.99	100.57	-276.64	5,119.83	1,516.55	1,214.45	302.10	5.020		
12,400.00	7,006.51	11,723.00	7,264.30	160.19	157.99	100.57	-276.64	5,119.83	1,544.08	1,244.55	299.54	5.155		
12,500.00	7,007.54	11,723.00	7,264.30	162.98	157.99	100.57	-276.64	5,119.83	1,577.49	1,281.47	296.02	5.329		
12,600.00	7,008.57	11,723.00	7,264.30	165.78	157.99	100.57	-276.64	5,119.83	1,616.40	1,324.70	291.70	5.541		
12,700.00	7,009.61	11,723.00	7,264.30	168.58	157.99	100.57	-276.64	5,119.83	1,660.42	1,373.67	286.75	5.790		
12,800.00	7,010.64	11,723.00	7,264.30	171.38	157.99	100.57	-276.64	5,119.83	1,709.18	1,427.84	281.33	6.075		
12,900.00	7,011.67	11,723.00	7,264.30	174.18	157.99	100.57	-276.64	5,119.83	1,762.26	1,486.68	275.58	6.395		
13,000.00	7,012.70	11,723.00	7,264.30	176.98	157.99	100.57	-276.64	5,119.83	1,819.29	1,549.67	269.62	6.748		
13,100.00	7,013.73	11,723.00	7,264.30	179.78	157.99	100.57	-276.64	5,119.83	1,879.92	1,616.36	263.56	7.133		
13,200.00	7,014.76	11,723.00	7,264.30	182.59	157.99	100.57	-276.64	5,119.83	1,943.80	1,686.31	257.49	7.549		
13,300.00	7,015.79	11,723.00	7,264.30	185.39	157.99	100.57	-276.64	5,119.83	2,010.63	1,759.16	251.47	7.995		
13,400.00	7,016.82	11,723.00	7,264.30	188.20	157.99	100.57	-276.64	5,119.83	2,080.12	1,834.56	245.57	8.471		
13,500.00	7,017.85	11,723.00	7,264.30	191.01	157.99	100.57	-276.64	5,119.83	2,152.02	1,912.21	239.81	8.974		
13,600.00	7,018.88	11,723.00	7,264.30	193.82	157.99	100.57	-276.64	5,119.83	2,226.09	1,991.86	234.22	9.504		
13,700.00	7,019.91	11,723.00	7,264.30	196.63	157.99	100.57	-276.64	5,119.83	2,302.11	2,073.28	228.84	10.060		
13,800.00	7,020.95	11,723.00	7,264.30	199.44	157.99	100.57	-276.64	5,119.83	2,379.92	2,156.26	223.65	10.641		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,021.98	11,723.00	7,264.30	202.26	157.99	100.57	-276.64	5,119.83	2,459.32	2,240.64	218.69	11.246		
14,000.00	7,023.01	11,723.00	7,264.30	205.07	157.99	100.57	-276.64	5,119.83	2,540.19	2,326.25	213.93	11.874		
14,100.00	7,024.04	11,723.00	7,264.30	207.89	157.99	100.57	-276.64	5,119.83	2,622.37	2,412.97	209.39	12.524		
14,200.00	7,025.07	11,723.00	7,264.30	210.70	157.99	100.57	-276.64	5,119.83	2,705.75	2,500.69	205.06	13.195		
14,300.00	7,026.10	11,723.00	7,264.30	213.52	157.99	100.57	-276.64	5,119.83	2,790.23	2,589.29	200.94	13.886		
14,400.00	7,027.13	11,723.00	7,264.30	216.34	157.99	100.57	-276.64	5,119.83	2,875.70	2,678.69	197.00	14.597		
14,500.00	7,028.16	11,723.00	7,264.30	219.16	157.99	100.57	-276.64	5,119.83	2,962.08	2,768.82	193.26	15.327		
14,600.00	7,029.19	11,723.00	7,264.30	221.98	157.99	100.57	-276.64	5,119.83	3,049.29	2,859.59	189.70	16.074		
14,700.00	7,030.22	11,723.00	7,264.30	224.80	157.99	100.57	-276.64	5,119.83	3,137.27	2,950.96	186.31	16.839		
14,800.00	7,031.26	11,723.00	7,264.30	227.62	157.99	100.57	-276.64	5,119.83	3,225.95	3,042.86	183.08	17.620		
14,900.00	7,032.29	11,723.00	7,264.30	230.44	157.99	100.57	-276.64	5,119.83	3,315.27	3,135.26	180.01	18.417		
15,000.00	7,033.32	11,723.00	7,264.30	233.26	157.99	100.57	-276.64	5,119.83	3,405.18	3,228.10	177.09	19.229		
15,100.00	7,034.35	11,723.00	7,264.30	236.09	157.99	100.57	-276.64	5,119.83	3,495.65	3,321.34	174.30	20.055		
15,200.00	7,035.38	11,723.00	7,264.30	238.91	157.99	100.57	-276.64	5,119.83	3,586.62	3,414.97	171.65	20.895		
15,300.00	7,036.41	11,723.00	7,264.30	241.74	157.99	100.57	-276.64	5,119.83	3,678.05	3,508.93	169.12	21.748		
15,400.00	7,037.44	11,723.00	7,264.30	244.56	157.99	100.57	-276.64	5,119.83	3,769.93	3,603.22	166.71	22.614		
15,500.00	7,038.47	11,723.00	7,264.30	247.39	157.99	100.57	-276.64	5,119.83	3,862.21	3,697.79	164.41	23.491		
15,600.00	7,039.50	11,723.00	7,264.30	250.21	157.99	100.57	-276.64	5,119.83	3,954.86	3,792.64	162.22	24.380		
15,700.00	7,040.53	11,723.00	7,264.30	253.04	157.99	100.57	-276.64	5,119.83	4,047.86	3,887.74	160.12	25.280		
15,800.00	7,041.57	11,723.00	7,264.30	255.87	157.99	100.57	-276.64	5,119.83	4,141.19	3,983.07	158.12	26.190		
15,900.00	7,042.60	11,723.00	7,264.30	258.70	157.99	100.57	-276.64	5,119.83	4,234.82	4,078.61	156.21	27.110		
16,000.00	7,043.63	11,723.00	7,264.30	261.53	157.99	100.57	-276.64	5,119.83	4,328.74	4,174.36	154.38	28.039		
16,100.00	7,044.66	11,723.00	7,264.30	264.35	157.99	100.57	-276.64	5,119.83	4,422.92	4,270.29	152.63	28.977		
16,200.00	7,045.69	11,723.00	7,264.30	267.18	157.99	100.57	-276.64	5,119.83	4,517.36	4,366.40	150.96	29.924		
16,300.00	7,046.72	11,723.00	7,264.30	270.01	157.99	100.57	-276.64	5,119.83	4,612.03	4,462.67	149.36	30.878		
16,400.00	7,047.75	11,723.00	7,264.30	272.84	157.99	100.57	-276.64	5,119.83	4,706.92	4,559.09	147.83	31.841		
16,500.00	7,048.78	11,723.00	7,264.30	275.67	157.99	100.57	-276.64	5,119.83	4,802.02	4,655.66	146.36	32.810		
16,600.00	7,049.81	11,723.00	7,264.30	278.51	157.99	100.57	-276.64	5,119.83	4,897.31	4,752.36	144.95	33.787		
16,700.00	7,050.84	11,723.00	7,264.30	281.34	157.99	100.57	-276.64	5,119.83	4,992.78	4,849.19	143.60	34.769		
16,800.00	7,051.88	11,723.00	7,264.30	284.17	157.99	100.57	-276.64	5,119.83	5,088.43	4,946.13	142.30	35.758		
16,900.00	7,052.91	11,723.00	7,264.30	287.00	157.99	100.57	-276.64	5,119.83	5,184.25	5,043.19	141.06	36.753		
17,000.00	7,053.94	11,723.00	7,264.30	289.83	157.99	100.57	-276.64	5,119.83	5,280.22	5,140.36	139.86	37.753		
17,100.00	7,054.97	11,723.00	7,264.30	292.67	157.99	100.57	-276.64	5,119.83	5,376.34	5,237.62	138.71	38.758		
17,200.00	7,056.00	11,723.00	7,264.30	295.50	157.99	100.57	-276.64	5,119.83	5,472.59	5,334.98	137.61	39.769		
17,300.00	7,057.03	11,723.00	7,264.30	298.33	157.99	100.57	-276.64	5,119.83	5,568.98	5,432.43	136.55	40.783		
17,400.00	7,058.06	11,723.00	7,264.30	301.17	157.99	100.57	-276.64	5,119.83	5,665.49	5,529.96	135.53	41.802		
17,500.00	7,059.09	11,723.00	7,264.30	304.00	157.99	100.57	-276.64	5,119.83	5,762.12	5,627.58	134.55	42.826		
17,600.00	7,060.12	11,723.00	7,264.30	306.84	157.99	100.57	-276.64	5,119.83	5,858.87	5,725.26	133.60	43.852		
17,685.09	7,061.00	11,723.00	7,264.30	309.25	157.99	100.57	-276.64	5,119.83	5,941.27	5,808.44	132.83	44.729		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	104.06	-125.31	500.52	516.01					
100.00	100.00	95.72	95.71	3.28	3.30	104.11	-125.70	500.02	515.58	509.00	6.58	78.333		
200.00	200.00	197.52	197.51	3.34	3.37	104.25	-126.78	499.08	514.95	508.24	6.71	76.749		
300.00	299.98	301.13	301.10	3.45	3.51	107.55	-128.09	497.45	514.26	507.31	6.95	73.966		
400.00	399.84	404.48	404.41	3.61	3.69	108.33	-129.34	495.06	513.95	506.65	7.30	70.425		
410.13	409.94	414.92	414.84	3.63	3.71	108.43	-129.43	494.78	513.95	506.61	7.34	70.039 CC		
500.00	499.45	508.93	508.81	3.82	3.93	109.46	-130.11	491.92	514.09	506.35	7.74	66.453 ES		
600.00	598.70	602.74	602.57	4.07	4.17	110.81	-130.86	488.98	515.55	507.33	8.22	62.730		
680.00	677.76	677.73	677.54	4.29	4.38	112.09	-131.80	487.33	518.71	510.05	8.65	59.955		
700.00	697.48	696.47	696.27	4.35	4.44	112.45	-132.10	486.98	519.74	510.97	8.77	59.293		
800.00	796.08	790.12	789.89	4.66	4.72	114.25	-133.86	485.68	525.79	516.43	9.36	56.157		
900.00	894.68	879.29	879.03	4.98	5.01	115.95	-136.13	485.38	533.63	523.64	9.98	53.456		
1,000.00	993.28	974.92	974.61	5.34	5.33	117.75	-139.37	486.05	543.29	532.64	10.65	50.997		
1,100.00	1,091.88	1,073.82	1,073.43	5.71	5.67	119.59	-143.01	486.59	553.51	542.15	11.37	48.699		
1,200.00	1,190.48	1,185.95	1,185.47	6.10	6.08	121.72	-147.62	485.37	563.11	550.95	12.16	46.295		
1,300.00	1,289.07	1,263.31	1,262.77	6.49	6.36	123.05	-150.28	485.42	573.86	561.04	12.83	44.745		
1,400.00	1,387.67	1,373.29	1,372.67	6.90	6.77	124.70	-153.44	487.94	586.83	573.19	13.64	43.019		
1,500.00	1,486.27	1,489.46	1,488.67	7.31	7.23	126.80	-158.21	484.32	596.26	581.74	14.51	41.079		
1,600.00	1,584.87	1,601.73	1,600.56	7.73	7.69	129.03	-163.41	476.73	603.70	588.31	15.39	39.225		
1,700.00	1,683.47	1,697.07	1,695.31	8.16	8.09	131.12	-169.26	467.93	610.88	594.67	16.21	37.688		
1,800.00	1,782.07	1,781.79	1,779.38	8.59	8.46	133.05	-176.20	460.15	620.25	603.26	16.99	36.508		
1,900.00	1,880.67	1,865.46	1,862.30	9.02	8.84	134.98	-184.85	453.08	632.46	614.70	17.77	35.599		
2,000.00	1,979.27	1,938.00	1,934.07	9.46	9.17	136.66	-194.15	448.03	648.34	629.87	18.47	35.109		
2,100.00	2,077.87	2,023.82	2,018.86	9.90	9.57	138.54	-206.69	444.01	667.86	648.62	19.24	34.707		
2,200.00	2,176.47	2,117.04	2,111.17	10.35	10.00	140.32	-219.45	441.30	688.70	668.64	20.07	34.320		
2,300.00	2,275.07	2,226.85	2,220.15	10.79	10.50	142.14	-232.73	439.20	709.69	688.68	21.02	33.771		
2,400.00	2,373.67	2,324.93	2,317.61	11.24	10.95	143.65	-243.27	436.40	729.55	707.68	21.88	33.347		
2,500.00	2,472.27	2,435.94	2,427.82	11.69	11.48	145.40	-255.51	431.32	749.13	726.28	22.84	32.793		
2,600.00	2,570.87	2,537.95	2,528.98	12.14	11.97	147.07	-266.68	424.22	767.80	744.05	23.75	32.322		
2,700.00	2,669.47	2,630.11	2,620.15	12.59	12.42	148.62	-277.59	416.42	786.94	762.34	24.60	31.986		
2,800.00	2,768.07	2,722.90	2,711.79	13.04	12.89	150.18	-289.39	407.92	807.06	781.60	25.46	31.701		
2,900.00	2,866.67	2,823.09	2,810.89	13.50	13.39	151.72	-301.53	399.46	827.63	801.26	26.37	31.383		
3,000.00	2,965.27	2,917.14	2,904.14	13.95	13.85	152.98	-311.94	393.03	848.59	821.36	27.23	31.166		
3,100.00	3,063.87	3,015.28	3,001.61	14.41	14.33	154.13	-321.99	387.67	869.86	841.75	28.11	30.943		
3,200.00	3,162.47	3,112.35	3,098.05	14.87	14.80	155.20	-331.65	382.31	891.17	862.18	28.99	30.744		
3,300.00	3,261.07	3,198.92	3,183.93	15.32	15.22	156.17	-341.15	376.98	913.38	883.61	29.78	30.672		
3,400.00	3,359.67	3,291.59	3,275.70	15.78	15.69	157.23	-352.36	370.61	936.59	905.97	30.63	30.582		
3,500.00	3,458.27	3,399.79	3,382.90	16.24	16.23	158.40	-364.90	363.06	959.65	928.04	31.60	30.364		
3,600.00	3,556.87	3,505.94	3,488.44	16.70	16.75	159.34	-374.82	357.47	981.60	949.05	32.55	30.152		
3,700.00	3,655.47	3,593.79	3,575.84	17.16	17.17	160.04	-382.74	353.49	1,003.76	970.41	33.35	30.097		
3,800.00	3,754.06	3,666.00	3,647.56	17.62	17.52	160.62	-390.42	350.15	1,027.59	993.58	34.01	30.217		
3,900.00	3,852.66	3,740.38	3,721.18	18.08	17.91	161.26	-400.25	346.26	1,053.69	1,019.02	34.67	30.389		
4,000.00	3,951.26	3,818.53	3,798.20	18.54	18.32	161.98	-412.64	341.62	1,082.06	1,046.69	35.37	30.593		
4,100.00	4,049.86	3,906.81	3,885.08	19.01	18.80	162.76	-427.52	336.59	1,111.63	1,075.46	36.17	30.734		
4,200.00	4,148.46	4,011.75	3,988.39	19.47	19.36	163.62	-444.96	330.92	1,141.33	1,104.18	37.14	30.727		
4,300.00	4,247.06	4,140.94	4,116.18	19.93	20.03	164.48	-463.18	325.56	1,169.29	1,130.94	38.34	30.494		
4,400.00	4,345.66	4,244.91	4,219.37	20.39	20.55	165.05	-475.40	322.35	1,195.46	1,156.18	39.28	30.434		
4,500.00	4,444.26	4,341.67	4,315.46	20.86	21.03	165.55	-486.40	319.43	1,221.40	1,181.25	40.15	30.421		
4,600.00	4,542.86	4,438.03	4,411.02	21.32	21.51	166.11	-497.89	314.82	1,247.46	1,206.43	41.02	30.408		
4,700.00	4,641.46	4,548.86	4,520.97	21.78	22.08	166.76	-510.33	308.55	1,272.73	1,230.69	42.03	30.280		
4,800.00	4,740.06	4,640.98	4,612.32	22.25	22.54	167.30	-520.66	302.73	1,297.96	1,255.09	42.87	30.275		
4,900.00	4,838.66	4,732.84	4,703.45	22.71	23.01	167.80	-530.94	297.40	1,323.42	1,279.71	43.71	30.278		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,811.56	4,781.56	23.18	23.40	168.16	-540.20	294.31	1,349.92	1,305.51	44.42	30.392		
5,100.00	5,035.86	4,942.21	4,911.41	23.64	24.04	168.64	-554.24	291.12	1,375.92	1,330.33	45.59	30.181		
5,200.00	5,134.46	5,095.72	5,064.46	24.11	24.75	169.10	-565.53	287.80	1,398.88	1,351.98	46.90	29.829		
5,300.00	5,233.06	5,242.84	5,211.50	24.57	25.36	169.34	-569.65	287.35	1,417.83	1,369.76	48.06	29.499		
5,400.00	5,331.66	5,390.64	5,359.29	25.04	25.93	169.57	-569.00	286.15	1,433.66	1,384.50	49.16	29.162		
5,500.00	5,430.26	5,504.82	5,473.42	25.50	26.34	169.75	-566.07	284.31	1,447.25	1,397.20	50.06	28.912		
5,600.00	5,528.86	5,603.37	5,571.88	25.97	26.69	169.93	-562.84	281.83	1,459.96	1,409.07	50.89	28.690		
5,700.00	5,627.46	5,680.03	5,648.51	26.43	26.97	170.05	-560.96	280.69	1,473.71	1,422.09	51.62	28.548		
5,800.00	5,726.06	5,750.68	5,719.15	26.90	27.22	170.10	-560.14	281.27	1,489.20	1,436.89	52.31	28.470		
5,900.00	5,824.66	5,868.18	5,836.62	27.36	27.65	170.16	-558.83	282.91	1,504.84	1,451.60	53.23	28.270		
6,000.00	5,923.26	5,937.85	5,906.30	27.83	27.92	170.24	-558.64	282.79	1,520.98	1,467.06	53.92	28.210		
6,100.00	6,021.86	6,067.70	6,036.13	28.30	28.42	170.41	-558.08	281.77	1,536.77	1,481.83	54.94	27.973		
6,200.00	6,120.46	6,150.48	6,118.91	28.76	28.74	170.50	-557.61	281.54	1,552.58	1,496.88	55.70	27.876		
6,300.00	6,219.06	6,279.41	6,247.81	29.23	29.23	170.65	-555.39	280.44	1,567.03	1,510.34	56.69	27.640		
6,405.66	6,323.24	6,379.29	6,347.67	29.72	29.59	170.73	-553.32	280.57	1,582.33	1,524.78	57.55	27.493		
6,450.00	6,366.93	6,424.74	6,393.10	29.93	29.75	147.58	-552.22	281.30	1,588.43	1,530.51	57.93	27.421		
6,500.00	6,415.96	6,475.35	6,443.63	30.15	29.93	127.79	-550.66	283.49	1,594.52	1,536.18	58.33	27.334		
6,550.00	6,464.44	6,526.13	6,494.17	30.37	30.11	115.15	-548.59	287.89	1,599.74	1,541.01	58.74	27.235		
6,600.00	6,512.08	6,544.48	6,512.36	30.58	30.16	106.96	-547.93	290.25	1,604.67	1,545.70	58.97	27.214		
6,650.00	6,558.58	6,566.73	6,534.32	30.78	30.24	101.47	-547.31	293.77	1,609.58	1,550.38	59.19	27.191		
6,700.00	6,603.65	6,588.88	6,556.05	30.97	30.31	97.59	-546.93	298.03	1,614.46	1,555.06	59.41	27.176		
6,750.00	6,647.02	6,614.00	6,580.51	31.15	30.39	94.78	-546.76	303.76	1,619.33	1,559.70	59.63	27.155		
6,800.00	6,688.42	6,642.41	6,607.88	31.31	30.48	92.71	-546.74	311.37	1,624.03	1,564.16	59.87	27.126		
6,850.00	6,727.59	6,664.00	6,628.45	31.46	30.55	91.06	-546.74	317.92	1,628.44	1,568.38	60.07	27.110		
6,900.00	6,764.29	6,685.15	6,648.33	31.60	30.61	89.76	-546.93	325.13	1,632.85	1,572.58	60.27	27.092		
6,950.00	6,798.30	6,709.00	6,670.31	31.73	30.68	88.77	-547.63	334.36	1,637.48	1,576.97	60.51	27.060		
7,000.00	6,829.41	6,709.00	6,670.31	31.84	30.68	87.59	-547.63	334.36	1,642.19	1,581.59	60.59	27.102		
7,050.00	6,857.42	6,743.58	6,701.50	32.03	30.78	87.18	-549.22	349.21	1,646.77	1,585.79	60.99	27.001		
7,100.00	6,882.16	6,766.82	6,722.10	32.36	30.84	86.73	-550.54	359.88	1,651.38	1,590.04	61.34	26.922		
7,150.00	6,903.48	6,804.00	6,754.42	32.73	30.94	86.71	-553.08	378.08	1,656.07	1,594.22	61.86	26.772		
7,200.00	6,921.25	6,901.80	6,835.89	33.15	31.17	88.11	-557.63	431.89	1,660.13	1,597.23	62.90	26.392		
7,250.00	6,935.36	6,945.99	6,870.62	33.61	31.25	88.56	-558.36	459.20	1,662.43	1,598.84	63.60	26.140		
7,300.00	6,945.72	6,992.05	6,904.84	34.11	31.34	89.16	-558.89	490.00	1,664.37	1,600.03	64.34	25.867		
7,350.00	6,952.26	7,054.64	6,948.15	34.65	31.43	90.21	-558.99	535.16	1,665.79	1,600.49	65.30	25.511		
7,403.14	6,955.00	7,109.12	6,982.90	35.26	31.51	91.21	-558.40	577.11	1,666.62	1,600.34	66.27	25.147		
7,500.00	6,955.99	7,185.51	7,026.95	36.49	31.60	92.70	-557.66	639.48	1,669.01	1,600.97	68.05	24.528		
7,600.00	6,957.03	7,250.66	7,059.91	37.93	32.16	93.81	-557.79	695.66	1,673.79	1,603.76	70.03	23.902		
7,700.00	6,958.06	7,321.79	7,090.87	39.52	32.94	94.84	-559.25	759.66	1,680.89	1,608.60	72.29	23.252		
7,800.00	6,959.09	7,425.19	7,127.48	41.25	34.27	96.03	-563.15	856.22	1,689.67	1,614.43	75.24	22.457		
7,900.00	6,960.12	7,586.52	7,153.29	43.09	36.85	96.82	-568.47	1,014.78	1,695.94	1,616.33	79.60	21.305		
8,000.00	6,961.15	7,774.21	7,159.60	45.04	40.44	96.94	-571.26	1,202.31	1,699.81	1,614.72	85.09	19.977		
8,100.00	6,962.18	7,907.30	7,158.31	47.08	43.33	96.86	-567.47	1,335.34	1,697.96	1,607.99	89.96	18.874		
8,200.00	6,963.21	8,018.32	7,155.10	49.20	45.92	96.72	-563.68	1,446.25	1,695.45	1,600.80	94.65	17.913		
8,300.00	6,964.24	8,137.50	7,153.50	51.39	48.84	96.64	-558.00	1,565.28	1,691.76	1,592.04	99.72	16.966		
8,400.00	6,965.27	8,239.23	7,153.84	53.64	51.44	96.64	-552.37	1,666.85	1,687.50	1,582.96	104.54	16.142		
8,500.00	6,966.30	8,345.18	7,155.20	55.95	54.23	96.66	-546.28	1,772.61	1,683.17	1,573.56	109.61	15.356		
8,600.00	6,967.33	8,436.43	7,156.37	58.30	56.70	96.69	-540.97	1,863.71	1,678.76	1,564.33	114.43	14.670		
8,700.00	6,968.37	8,502.35	7,156.78	60.70	58.53	96.69	-537.93	1,929.55	1,675.55	1,556.85	118.70	14.116		
8,783.84	6,969.23	8,552.00	7,156.87	62.74	59.91	96.67	-536.81	1,979.19	1,674.69	1,552.55	122.14	13.711		
8,800.00	6,969.40	8,567.07	7,156.88	63.14	60.34	96.67	-536.63	1,994.25	1,674.70	1,551.74	122.96	13.620		
8,900.00	6,970.43	8,663.65	7,157.19	65.60	63.09	96.65	-535.65	2,090.84	1,674.95	1,546.79	128.16	13.069		
9,000.00	6,971.46	8,777.63	7,157.10	68.10	66.40	96.60	-534.05	2,204.80	1,674.76	1,540.82	133.93	12.504		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	6,972.49	8,876.53	7,157.05	70.63	69.30	96.57	-532.15	2,303.69	1,674.06	1,534.72	139.34	12.014		
9,200.00	6,973.52	8,970.06	7,157.18	73.18	72.08	96.54	-530.83	2,397.20	1,673.89	1,529.24	144.65	11.572		
9,300.00	6,974.55	9,077.01	7,156.93	75.75	75.29	96.49	-529.21	2,504.14	1,673.57	1,523.17	150.40	11.127		
9,400.00	6,975.58	9,189.87	7,153.66	78.34	78.70	96.35	-527.23	2,616.93	1,672.73	1,516.34	156.39	10.696		
9,500.00	6,976.61	9,282.19	7,151.59	80.94	81.52	96.25	-525.16	2,709.21	1,671.50	1,509.68	161.82	10.329		
9,600.00	6,977.64	9,384.07	7,151.84	83.56	84.65	96.22	-523.16	2,811.06	1,670.80	1,503.25	167.55	9.972		
9,700.00	6,978.68	9,515.30	7,154.11	86.20	88.70	96.26	-518.74	2,942.19	1,668.84	1,494.71	174.13	9.584		
9,800.00	6,979.71	9,594.80	7,155.12	88.85	91.16	96.28	-515.89	3,021.63	1,666.64	1,487.37	179.27	9.297		
9,899.50	6,980.73	9,667.91	7,154.85	91.50	93.44	96.24	-514.43	3,094.73	1,665.85	1,481.63	184.22	9.043		
9,900.00	6,980.74	9,668.28	7,154.84	91.51	93.46	96.24	-514.43	3,095.09	1,665.85	1,481.60	184.25	9.041		
10,000.00	6,981.77	9,801.34	7,153.87	94.19	97.62	96.16	-511.96	3,228.12	1,665.25	1,474.22	191.03	8.717		
10,100.00	6,982.80	9,893.20	7,153.00	96.87	100.51	96.11	-509.40	3,319.94	1,663.59	1,466.99	196.61	8.461		
10,200.00	6,983.83	9,999.09	7,153.64	99.56	103.85	96.10	-505.83	3,425.76	1,661.51	1,458.91	202.61	8.201		
10,281.98	6,984.68	10,050.48	7,154.16	101.78	105.48	96.10	-504.67	3,477.13	1,660.76	1,454.29	206.47	8.044		
10,300.00	6,984.86	10,061.78	7,154.20	102.27	105.84	96.10	-504.55	3,488.43	1,660.80	1,453.48	207.31	8.011		
10,400.00	6,985.89	10,175.18	7,154.22	104.98	109.44	96.06	-503.47	3,601.83	1,661.12	1,447.52	213.60	7.777		
10,500.00	6,986.92	10,285.03	7,153.57	107.69	112.94	96.00	-501.18	3,711.65	1,660.19	1,440.40	219.79	7.553		
10,579.17	6,987.74	10,347.70	7,153.86	109.85	114.94	95.99	-500.06	3,774.31	1,659.80	1,435.85	223.95	7.411		
10,600.00	6,987.95	10,360.00	7,154.05	110.41	115.33	95.99	-499.90	3,786.61	1,659.83	1,434.93	224.91	7.380		
10,700.00	6,988.99	10,430.86	7,154.41	113.14	117.60	95.97	-499.86	3,857.47	1,661.11	1,431.26	229.85	7.227		
10,800.00	6,990.02	10,538.33	7,152.44	115.88	121.05	95.86	-501.38	3,964.91	1,663.59	1,427.53	236.06	7.047		
10,900.00	6,991.05	10,650.18	7,150.53	118.62	124.65	95.75	-501.80	4,076.73	1,665.02	1,422.60	242.42	6.868		
11,000.00	6,992.08	10,762.34	7,149.21	121.37	128.26	95.66	-501.21	4,188.89	1,665.59	1,416.80	248.79	6.695		
11,100.00	6,993.11	10,863.21	7,149.46	124.12	131.52	95.63	-500.61	4,289.75	1,666.27	1,411.49	254.78	6.540		
11,193.31	6,994.07	10,962.05	7,151.68	126.69	134.71	95.67	-498.64	4,388.54	1,665.74	1,405.24	260.50	6.394		
11,200.00	6,994.14	10,966.03	7,151.77	126.87	134.84	95.67	-498.59	4,392.52	1,665.75	1,404.93	260.82	6.387		
11,300.00	6,995.17	11,025.80	7,152.79	129.63	136.77	95.68	-498.58	4,452.28	1,667.13	1,401.70	265.42	6.281		
11,400.00	6,996.20	11,115.13	7,153.81	132.39	139.67	95.68	-499.96	4,541.59	1,670.02	1,399.00	271.02	6.162		
11,500.00	6,997.23	11,231.50	7,153.88	135.16	143.45	95.63	-501.74	4,657.94	1,672.79	1,395.17	277.61	6.026		
11,600.00	6,998.26	11,341.33	7,153.24	137.93	147.02	95.56	-502.75	4,767.78	1,674.91	1,390.93	283.98	5.898		
11,700.00	6,999.30	11,465.80	7,151.75	140.70	151.07	95.46	-502.42	4,892.23	1,675.75	1,384.92	290.83	5.762		
11,800.00	7,000.33	11,592.10	7,149.13	143.48	155.17	95.33	-500.39	5,018.49	1,675.21	1,377.52	297.69	5.627		
11,880.97	7,001.16	11,650.00	7,147.72	145.73	157.06	95.26	-498.98	5,076.35	1,674.23	1,372.36	301.88	5.546		
11,900.00	7,001.36	11,650.00	7,147.72	146.26	157.06	95.26	-498.98	5,076.35	1,674.34	1,371.94	302.40	5.537		
12,000.00	7,002.39	11,650.00	7,147.72	149.04	157.06	95.26	-498.98	5,076.35	1,678.46	1,373.94	304.52	5.512 SF		
12,100.00	7,003.42	11,650.00	7,147.72	151.82	157.06	95.26	-498.98	5,076.35	1,688.50	1,382.89	305.61	5.525		
12,200.00	7,004.45	11,650.00	7,147.72	154.61	157.06	95.26	-498.98	5,076.35	1,704.36	1,398.67	305.69	5.575		
12,300.00	7,005.48	11,650.00	7,147.72	157.40	157.06	95.26	-498.98	5,076.35	1,725.87	1,421.06	304.81	5.662		
12,400.00	7,006.51	11,650.00	7,147.72	160.19	157.06	95.26	-498.98	5,076.35	1,752.84	1,449.78	303.06	5.784		
12,500.00	7,007.54	11,650.00	7,147.72	162.98	157.06	95.26	-498.98	5,076.35	1,785.01	1,484.48	300.52	5.940		
12,600.00	7,008.57	11,650.00	7,147.72	165.78	157.06	95.26	-498.98	5,076.35	1,822.10	1,524.78	297.32	6.128		
12,700.00	7,009.61	11,650.00	7,147.72	168.58	157.06	95.26	-498.98	5,076.35	1,863.83	1,570.28	293.55	6.349		
12,800.00	7,010.64	11,650.00	7,147.72	171.38	157.06	95.26	-498.98	5,076.35	1,909.89	1,620.56	289.33	6.601		
12,900.00	7,011.67	11,650.00	7,147.72	174.18	157.06	95.26	-498.98	5,076.35	1,959.97	1,675.21	284.75	6.883		
13,000.00	7,012.70	11,650.00	7,147.72	176.98	157.06	95.26	-498.98	5,076.35	2,013.77	1,733.84	279.93	7.194		
13,100.00	7,013.73	11,650.00	7,147.72	179.78	157.06	95.26	-498.98	5,076.35	2,071.01	1,796.08	274.93	7.533		
13,200.00	7,014.76	11,650.00	7,147.72	182.59	157.06	95.26	-498.98	5,076.35	2,131.40	1,861.57	269.83	7.899		
13,300.00	7,015.79	11,650.00	7,147.72	185.39	157.06	95.26	-498.98	5,076.35	2,194.70	1,930.00	264.70	8.291		
13,400.00	7,016.82	11,650.00	7,147.72	188.20	157.06	95.26	-498.98	5,076.35	2,260.64	2,001.07	259.57	8.709		
13,500.00	7,017.85	11,650.00	7,147.72	191.01	157.06	95.26	-498.98	5,076.35	2,329.01	2,074.51	254.50	9.151		
13,600.00	7,018.88	11,650.00	7,147.72	193.82	157.06	95.26	-498.98	5,076.35	2,399.60	2,150.09	249.52	9.617		
13,700.00	7,019.91	11,650.00	7,147.72	196.63	157.06	95.26	-498.98	5,076.35	2,472.23	2,227.58	244.64	10.105		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,020.95	11,650.00	7,147.72	199.44	157.06	95.26	-498.98	5,076.35	2,546.71	2,306.81	239.89	10.616		
13,900.00	7,021.98	11,650.00	7,147.72	202.26	157.06	95.26	-498.98	5,076.35	2,622.88	2,387.60	235.29	11.148		
14,000.00	7,023.01	11,650.00	7,147.72	205.07	157.06	95.26	-498.98	5,076.35	2,700.62	2,469.79	230.83	11.700		
14,100.00	7,024.04	11,650.00	7,147.72	207.89	157.06	95.26	-498.98	5,076.35	2,779.77	2,553.25	226.52	12.271		
14,200.00	7,025.07	11,650.00	7,147.72	210.70	157.06	95.26	-498.98	5,076.35	2,860.23	2,637.86	222.38	12.862		
14,300.00	7,026.10	11,650.00	7,147.72	213.52	157.06	95.26	-498.98	5,076.35	2,941.89	2,723.51	218.39	13.471		
14,400.00	7,027.13	11,650.00	7,147.72	216.34	157.06	95.26	-498.98	5,076.35	3,024.66	2,810.10	214.55	14.097		
14,500.00	7,028.16	11,650.00	7,147.72	219.16	157.06	95.26	-498.98	5,076.35	3,108.43	2,897.56	210.87	14.741		
14,600.00	7,029.19	11,650.00	7,147.72	221.98	157.06	95.26	-498.98	5,076.35	3,193.14	2,985.80	207.34	15.400		
14,700.00	7,030.22	11,650.00	7,147.72	224.80	157.06	95.26	-498.98	5,076.35	3,278.71	3,074.76	203.96	16.075		
14,800.00	7,031.26	11,650.00	7,147.72	227.62	157.06	95.26	-498.98	5,076.35	3,365.08	3,164.37	200.71	16.766		
14,900.00	7,032.29	11,650.00	7,147.72	230.44	157.06	95.26	-498.98	5,076.35	3,452.18	3,254.58	197.60	17.470		
15,000.00	7,033.32	11,650.00	7,147.72	233.26	157.06	95.26	-498.98	5,076.35	3,539.97	3,345.35	194.62	18.189		
15,100.00	7,034.35	11,650.00	7,147.72	236.09	157.06	95.26	-498.98	5,076.35	3,628.39	3,436.62	191.77	18.921		
15,200.00	7,035.38	11,650.00	7,147.72	238.91	157.06	95.26	-498.98	5,076.35	3,717.39	3,528.36	189.03	19.665		
15,300.00	7,036.41	11,650.00	7,147.72	241.74	157.06	95.26	-498.98	5,076.35	3,806.94	3,620.53	186.41	20.422		
15,400.00	7,037.44	11,650.00	7,147.72	244.56	157.06	95.26	-498.98	5,076.35	3,897.00	3,713.10	183.90	21.191		
15,500.00	7,038.47	11,650.00	7,147.72	247.39	157.06	95.26	-498.98	5,076.35	3,987.53	3,806.04	181.49	21.971		
15,600.00	7,039.50	11,650.00	7,147.72	250.21	157.06	95.26	-498.98	5,076.35	4,078.51	3,899.32	179.18	22.762		
15,700.00	7,040.53	11,650.00	7,147.72	253.04	157.06	95.26	-498.98	5,076.35	4,169.89	3,992.93	176.97	23.563		
15,800.00	7,041.57	11,650.00	7,147.72	255.87	157.06	95.26	-498.98	5,076.35	4,261.67	4,086.83	174.84	24.374		
15,900.00	7,042.60	11,650.00	7,147.72	258.70	157.06	95.26	-498.98	5,076.35	4,353.81	4,181.00	172.80	25.195		
16,000.00	7,043.63	11,650.00	7,147.72	261.53	157.06	95.26	-498.98	5,076.35	4,446.28	4,275.44	170.85	26.025		
16,100.00	7,044.66	11,650.00	7,147.72	264.35	157.06	95.26	-498.98	5,076.35	4,539.08	4,370.11	168.97	26.864		
16,200.00	7,045.69	11,650.00	7,147.72	267.18	157.06	95.26	-498.98	5,076.35	4,632.17	4,465.01	167.16	27.711		
16,300.00	7,046.72	11,650.00	7,147.72	270.01	157.06	95.26	-498.98	5,076.35	4,725.55	4,560.13	165.43	28.566		
16,400.00	7,047.75	11,650.00	7,147.72	272.84	157.06	95.26	-498.98	5,076.35	4,819.20	4,655.44	163.76	29.429		
16,500.00	7,048.78	11,650.00	7,147.72	275.67	157.06	95.26	-498.98	5,076.35	4,913.09	4,750.93	162.15	30.299		
16,600.00	7,049.81	11,650.00	7,147.72	278.51	157.06	95.26	-498.98	5,076.35	5,007.22	4,846.61	160.61	31.176		
16,700.00	7,050.84	11,650.00	7,147.72	281.34	157.06	95.26	-498.98	5,076.35	5,101.57	4,942.45	159.13	32.060		
16,800.00	7,051.88	11,650.00	7,147.72	284.17	157.06	95.26	-498.98	5,076.35	5,196.14	5,038.44	157.70	32.950		
16,900.00	7,052.91	11,650.00	7,147.72	287.00	157.06	95.26	-498.98	5,076.35	5,290.90	5,134.58	156.32	33.846		
17,000.00	7,053.94	11,650.00	7,147.72	289.83	157.06	95.26	-498.98	5,076.35	5,385.86	5,230.86	155.00	34.748		
17,100.00	7,054.97	11,650.00	7,147.72	292.67	157.06	95.26	-498.98	5,076.35	5,480.99	5,327.27	153.72	35.656		
17,200.00	7,056.00	11,650.00	7,147.72	295.50	157.06	95.26	-498.98	5,076.35	5,576.30	5,423.81	152.49	36.569		
17,300.00	7,057.03	11,650.00	7,147.72	298.33	157.06	95.26	-498.98	5,076.35	5,671.76	5,520.46	151.30	37.486		
17,400.00	7,058.06	11,650.00	7,147.72	301.17	157.06	95.26	-498.98	5,076.35	5,767.38	5,617.23	150.16	38.409		
17,500.00	7,059.09	11,650.00	7,147.72	304.00	157.06	95.26	-498.98	5,076.35	5,863.15	5,714.10	149.05	39.336		
17,600.00	7,060.12	11,650.00	7,147.72	306.84	157.06	95.26	-498.98	5,076.35	5,959.05	5,811.07	147.99	40.268		
17,685.09	7,061.00	11,650.00	7,147.72	309.25	157.06	95.26	-498.98	5,076.35	6,040.76	5,893.65	147.11	41.063		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	95.69	-50.63	508.03	510.60					
100.00	100.00	98.55	98.55	3.28	3.29	95.72	-50.86	507.47	510.04	503.47	6.57	77.604		
200.00	200.00	201.89	201.87	3.34	3.32	95.81	-51.48	505.77	508.46	501.80	6.66	76.352		
300.00	299.98	299.63	299.60	3.45	3.41	98.91	-51.22	504.26	507.16	500.31	6.86	73.949		
369.31	369.22	367.03	366.99	3.55	3.51	99.17	-50.24	503.62	506.92	499.86	7.05	71.866		
400.00	399.84	397.66	397.61	3.61	3.55	99.31	-49.51	503.41	506.95	499.79	7.16	70.847		
500.00	499.45	496.99	496.85	3.82	3.74	99.81	-45.42	502.97	507.47	499.93	7.54	67.262		
600.00	598.70	596.57	596.13	4.07	3.97	100.27	-37.68	503.11	508.78	500.76	8.02	63.454		
680.00	677.76	675.47	674.72	4.29	4.18	100.80	-30.76	503.34	510.32	501.88	8.45	60.397		
700.00	697.48	694.82	694.00	4.35	4.23	100.97	-29.08	503.44	510.81	502.25	8.56	59.653		
800.00	796.08	796.33	795.10	4.66	4.54	101.82	-20.01	504.04	513.40	504.22	9.18	55.912		
900.00	894.68	902.30	900.36	4.98	4.90	102.41	-7.81	504.12	515.14	505.26	9.88	52.147		
1,000.00	993.28	1,012.48	1,009.17	5.34	5.32	102.53	9.44	503.23	515.36	504.70	10.66	48.366		
1,100.00	1,091.88	1,114.99	1,109.94	5.71	5.76	102.36	28.14	501.50	514.25	502.80	11.46	44.885		
1,200.00	1,190.48	1,213.97	1,207.18	6.10	6.20	102.17	46.53	499.76	513.03	500.75	12.28	41.766		
1,300.00	1,289.07	1,312.65	1,304.14	6.49	6.66	101.97	64.83	498.28	512.08	498.94	13.14	38.980		
1,400.00	1,387.67	1,415.15	1,404.91	6.90	7.15	101.81	83.46	496.56	511.01	496.98	14.03	36.424		
1,500.00	1,486.27	1,517.67	1,505.97	7.31	7.65	101.84	100.53	493.89	509.27	494.34	14.93	34.107		
1,600.00	1,584.87	1,618.17	1,605.00	7.73	8.14	101.85	117.45	491.34	507.57	491.73	15.84	32.051		
1,700.00	1,683.47	1,719.26	1,704.75	8.16	8.64	101.99	133.48	487.96	505.21	488.46	16.75	30.157		
1,800.00	1,782.07	1,811.87	1,796.02	8.59	9.11	102.00	148.98	485.75	503.69	486.04	17.64	28.548		
1,837.15	1,818.71	1,845.49	1,829.16	8.75	9.28	102.00	154.63	485.35	503.56	485.58	17.97	28.017		
1,900.00	1,880.67	1,905.31	1,888.14	9.02	9.59	101.98	164.69	485.11	503.81	485.26	18.55	27.161		
2,000.00	1,979.27	2,004.65	1,985.92	9.46	10.10	101.86	182.17	485.18	504.56	485.06	19.50	25.873		
2,100.00	2,077.87	2,111.03	2,090.34	9.90	10.67	101.54	202.55	485.07	504.92	484.41	20.51	24.618		
2,200.00	2,176.47	2,222.82	2,200.25	10.35	11.27	101.39	222.78	482.47	503.23	481.70	21.54	23.366		
2,300.00	2,275.07	2,325.44	2,301.12	10.79	11.83	101.29	241.14	478.38	499.93	477.41	22.52	22.195		
2,400.00	2,373.67	2,419.25	2,393.07	11.24	12.35	101.02	259.43	475.27	497.07	473.58	23.49	21.160		
2,500.00	2,472.27	2,514.72	2,486.88	11.69	12.87	100.84	277.07	473.12	495.41	470.95	24.46	20.253		
2,565.79	2,537.14	2,574.38	2,545.46	11.98	13.20	100.70	288.27	472.38	494.96	469.87	25.09	19.728		
2,600.00	2,570.87	2,604.99	2,575.47	12.14	13.37	100.59	294.32	472.36	495.09	469.67	25.41	19.481		
2,700.00	2,669.47	2,707.66	2,675.96	12.59	13.95	100.11	315.36	472.72	495.76	469.31	26.45	18.741		
2,800.00	2,768.07	2,811.68	2,777.77	13.04	14.55	99.63	336.70	472.19	495.61	468.11	27.51	18.019		
2,900.00	2,866.67	2,916.97	2,880.84	13.50	15.16	99.19	358.12	470.32	494.25	465.69	28.56	17.304		
3,000.00	2,965.27	3,014.95	2,976.85	13.95	15.72	98.83	377.59	468.65	493.03	463.45	29.58	16.668		
3,100.00	3,063.87	3,116.74	3,076.67	14.41	16.29	98.52	397.36	466.33	491.31	460.70	30.61	16.050		
3,200.00	3,162.47	3,214.12	3,172.35	14.87	16.84	98.31	415.43	464.68	490.28	458.66	31.62	15.507		
3,300.00	3,261.07	3,312.14	3,268.71	15.32	17.39	98.14	433.28	462.74	489.01	456.39	32.62	14.992		
3,327.60	3,288.28	3,336.60	3,292.77	15.45	17.52	98.11	437.64	462.49	488.92	456.04	32.88	14.870		
3,400.00	3,359.67	3,405.30	3,360.40	15.78	17.90	98.02	449.73	462.40	489.36	455.77	33.59	14.569		
3,500.00	3,458.27	3,506.21	3,459.76	16.24	18.45	97.92	467.40	462.28	490.01	455.41	34.60	14.161		
3,600.00	3,556.87	3,607.86	3,559.90	16.70	19.00	97.85	484.81	461.94	490.48	454.86	35.61	13.772		
3,700.00	3,655.47	3,708.36	3,658.96	17.16	19.55	97.83	501.73	461.18	490.55	453.92	36.62	13.394		
3,800.00	3,754.06	3,808.98	3,757.76	17.62	20.12	97.55	520.81	460.69	490.71	453.05	37.66	13.032		
3,900.00	3,852.66	3,911.66	3,858.41	18.08	20.71	97.18	541.08	459.84	490.47	451.76	38.71	12.670		
4,000.00	3,951.26	4,015.30	3,960.02	18.54	21.31	96.82	561.42	458.29	489.61	449.83	39.77	12.310		
4,100.00	4,049.86	4,115.76	4,058.64	19.01	21.89	96.56	580.43	456.22	488.24	447.43	40.81	11.964		
4,200.00	4,148.46	4,222.58	4,163.61	19.47	22.49	96.36	600.02	453.35	486.29	444.43	41.86	11.616		
4,290.42	4,237.61	4,299.67	4,239.38	19.89	22.93	96.21	614.12	451.66	485.00	442.27	42.73	11.350		
4,300.00	4,247.06	4,307.78	4,247.35	19.93	22.97	96.19	615.66	451.62	485.02	442.20	42.82	11.327		
4,400.00	4,345.66	4,408.53	4,346.28	20.39	23.54	95.92	634.69	451.36	485.48	441.62	43.86	11.069		
4,500.00	4,444.26	4,511.65	4,447.66	20.86	24.13	95.71	653.55	450.41	485.32	440.41	44.91	10.807		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,600.00	4,542.86	4,614.73	4,549.06	21.32	24.70	95.57	671.95	448.61	484.35	438.41	45.95	10.542		
4,656.43	4,598.50	4,665.73	4,599.23	21.58	24.99	95.49	681.10	447.93	484.04	437.54	46.50	10.410		
4,700.00	4,641.46	4,705.80	4,638.61	21.78	25.21	95.41	688.48	447.80	484.22	437.30	46.92	10.320		
4,800.00	4,740.06	4,808.48	4,739.61	22.25	25.79	95.23	707.02	447.45	484.67	436.70	47.97	10.104		
4,900.00	4,838.66	4,911.38	4,840.89	22.71	26.36	95.11	725.20	446.52	484.57	435.57	49.00	9.888		
5,000.00	4,937.26	5,012.49	4,940.49	23.18	26.92	95.06	742.48	444.92	483.81	433.79	50.02	9.671		
5,050.21	4,986.76	5,059.54	4,986.90	23.41	27.17	95.07	750.20	444.36	483.65	433.13	50.51	9.575		
5,100.00	5,035.86	5,109.36	5,036.06	23.64	27.45	95.10	758.28	444.01	483.72	432.70	51.02	9.482		
5,200.00	5,134.46	5,213.59	5,138.68	24.11	28.02	95.00	776.49	442.64	483.22	431.17	52.05	9.283		
5,300.00	5,233.06	5,317.86	5,241.36	24.57	28.60	94.93	794.48	440.49	481.97	428.88	53.09	9.078		
5,400.00	5,331.66	5,413.79	5,335.64	25.04	29.14	94.75	812.01	437.98	480.17	426.06	54.11	8.874		
5,436.53	5,367.68	5,445.91	5,367.21	25.21	29.33	94.68	817.93	437.58	480.00	425.54	54.46	8.814		
5,500.00	5,430.26	5,508.88	5,429.13	25.50	29.68	94.57	829.34	437.23	480.15	425.04	55.11	8.712		
5,600.00	5,528.86	5,613.43	5,532.16	25.97	30.26	94.53	847.05	436.04	479.86	423.71	56.15	8.546		
5,700.00	5,627.46	5,711.25	5,628.82	26.43	30.77	94.70	861.96	434.30	478.96	421.84	57.13	8.384		
5,800.00	5,726.06	5,814.31	5,731.10	26.90	31.28	95.26	874.53	432.89	478.62	420.53	58.09	8.240		
5,900.00	5,824.66	5,911.91	5,828.25	27.36	31.73	96.13	883.61	430.74	477.63	418.66	58.98	8.099		
5,932.72	5,856.92	5,942.69	5,858.95	27.52	31.86	96.52	885.57	430.22	477.56	418.31	59.25	8.060		
6,000.00	5,923.26	6,005.67	5,921.87	27.83	32.11	97.45	888.30	429.44	477.89	418.11	59.78	7.994		
6,100.00	6,021.86	6,096.88	6,013.07	28.30	32.43	99.13	889.40	429.11	479.86	419.37	60.49	7.933		
6,200.00	6,120.46	6,196.84	6,113.03	28.76	32.75	101.19	888.40	429.53	483.38	422.18	61.20	7.898		
6,300.00	6,219.06	6,289.64	6,205.82	29.23	33.05	103.04	887.81	429.82	487.37	425.52	61.85	7.880		
6,405.66	6,323.24	6,388.40	6,304.56	29.72	33.37	104.94	887.16	431.65	493.76	431.23	62.53	7.897		
6,450.00	6,366.93	6,422.95	6,339.10	29.93	33.49	82.87	887.19	432.64	495.54	432.81	62.72	7.900		
6,500.00	6,415.96	6,452.94	6,369.02	30.15	33.59	64.04	887.38	434.59	495.67	432.91	62.76	7.898		
6,550.00	6,464.44	6,482.99	6,398.89	30.37	33.70	52.27	887.75	437.78	494.06	431.37	62.69	7.881		
6,600.00	6,512.08	6,505.00	6,420.68	30.58	33.77	44.92	888.12	440.90	490.80	428.54	62.26	7.883		
6,650.00	6,558.58	6,533.68	6,448.79	30.78	33.87	40.37	888.92	446.49	486.21	424.31	61.90	7.855		
6,700.00	6,603.65	6,556.55	6,470.83	30.97	33.95	37.29	889.93	452.49	480.73	419.56	61.17	7.859		
6,750.00	6,647.02	6,600.00	6,511.46	31.15	34.11	35.54	892.72	467.56	475.21	413.93	61.28	7.755		
6,800.00	6,688.42	6,606.65	6,517.53	31.31	34.13	33.89	893.22	470.22	466.87	407.47	59.40	7.859		
6,850.00	6,727.59	6,657.33	6,563.98	31.46	34.31	33.69	896.62	490.21	456.73	396.79	59.93	7.620		
6,900.00	6,764.29	6,708.72	6,611.36	31.60	34.48	34.38	899.25	509.92	442.90	382.34	60.56	7.313		
6,950.00	6,798.30	6,752.65	6,652.16	31.73	34.63	35.64	901.32	526.07	425.23	364.40	60.83	6.991		
7,000.00	6,829.41	6,778.28	6,675.68	31.84	34.72	36.77	902.22	536.23	406.03	346.10	59.93	6.775		
7,050.00	6,857.42	6,801.39	6,696.49	32.03	34.79	38.23	902.66	546.27	386.08	327.36	58.73	6.574		
7,100.00	6,882.16	6,822.47	6,714.99	32.36	34.85	40.00	902.48	556.35	365.98	308.71	57.27	6.390		
7,150.00	6,903.48	6,844.89	6,734.11	32.73	34.91	42.28	901.65	568.04	346.04	290.14	55.90	6.190		
7,200.00	6,921.25	6,870.12	6,754.98	33.15	34.96	45.24	900.27	582.14	326.24	271.34	54.91	5.942		
7,250.00	6,935.36	6,897.99	6,777.27	33.61	35.02	48.96	898.39	598.76	306.80	252.29	54.52	5.628		
7,300.00	6,945.72	6,929.48	6,801.70	34.11	35.09	53.65	896.36	618.53	287.62	232.53	55.08	5.222		
7,350.00	6,952.26	6,961.23	6,825.52	34.65	35.15	59.02	894.53	639.43	269.09	212.74	56.35	4.775		
7,403.14	6,955.00	6,994.20	6,849.33	35.26	35.22	65.27	892.89	662.17	250.94	192.49	58.46	4.293		
7,500.00	6,955.99	7,057.89	6,892.03	36.49	35.37	75.38	889.90	709.31	229.09	165.29	63.79	3.591		
7,600.00	6,957.03	7,143.00	6,941.02	37.93	35.59	87.68	887.77	778.78	222.94	153.28	69.65	3.201		
7,602.11	6,957.05	7,144.84	6,941.99	37.96	35.60	87.93	887.75	780.34	222.94	153.18	69.75	3.196 CC		
7,700.00	6,958.06	7,229.50	6,985.17	39.52	35.91	98.70	887.00	853.14	228.47	155.51	72.96	3.132		
7,800.00	6,959.09	7,345.49	7,028.45	41.25	36.64	108.77	887.68	960.51	238.53	163.47	75.06	3.178		
7,900.00	6,960.12	7,446.92	7,049.09	43.09	37.70	113.12	889.10	1,059.71	245.49	168.51	76.97	3.189		
8,000.00	6,961.15	7,555.58	7,059.44	45.04	39.26	114.86	888.34	1,167.86	250.82	170.80	80.02	3.135		
8,100.00	6,962.18	7,655.26	7,067.74	47.08	40.99	116.31	889.27	1,267.19	254.34	171.39	82.96	3.066		
8,200.00	6,963.21	7,769.12	7,069.09	49.20	43.25	116.25	889.81	1,380.97	255.16	167.79	87.37	2.920		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SRC Wiedeman #21-5-3CHZ - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 168-MWD													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,300.00	6,964.24	7,871.72	7,069.47	51.39	45.48	116.32	893.24	1,483.50	253.07	161.62	91.46	2.767				
8,400.00	6,965.27	7,973.11	7,069.71	53.64	47.84	116.46	897.60	1,584.81	250.07	154.46	95.62	2.615				
8,500.00	6,966.30	8,068.72	7,069.65	55.95	50.16	116.49	901.32	1,680.34	247.32	147.61	99.71	2.480				
8,537.61	6,966.69	8,102.85	7,069.50	56.83	51.01	116.39	901.80	1,714.47	247.06	145.81	101.25	2.440				
8,600.00	6,967.33	8,165.09	7,069.06	58.30	52.59	116.08	901.82	1,776.70	247.31	143.10	104.21	2.373				
8,691.52	6,968.28	8,256.80	7,068.62	60.50	54.97	115.76	902.73	1,868.41	246.99	138.40	108.60	2.274				
8,700.00	6,968.37	8,264.93	7,068.69	60.70	55.19	115.76	902.83	1,876.53	247.00	138.03	108.97	2.267				
8,800.00	6,969.40	8,360.93	7,070.82	63.14	57.76	115.94	903.64	1,972.51	247.97	134.69	113.27	2.189				
8,900.00	6,970.43	8,459.46	7,071.88	65.60	60.46	115.71	902.50	2,071.02	250.24	132.15	118.09	2.119				
9,000.00	6,971.46	8,561.60	7,073.37	68.10	63.31	115.59	901.78	2,173.15	252.27	129.12	123.15	2.048				
9,100.00	6,972.49	8,663.29	7,074.26	70.63	66.21	115.44	901.89	2,274.84	253.31	125.03	128.28	1.975				
9,200.00	6,973.52	8,763.27	7,073.77	73.18	69.10	114.97	901.67	2,374.82	254.08	120.47	133.62	1.902				
9,300.00	6,974.55	8,858.49	7,073.71	75.75	71.88	114.56	900.84	2,470.03	255.65	116.99	138.66	1.844				
9,400.00	6,975.58	8,957.81	7,072.88	78.34	74.81	113.80	897.98	2,569.30	258.74	114.41	144.33	1.793				
9,500.00	6,976.61	9,060.53	7,070.96	80.94	77.88	112.84	895.26	2,671.96	261.27	110.76	150.50	1.736				
9,600.00	6,977.64	9,169.10	7,067.62	83.56	81.15	111.74	894.37	2,780.47	261.72	104.51	157.21	1.665				
9,700.00	6,978.68	9,269.84	7,063.18	86.20	84.21	110.57	895.07	2,881.11	260.35	96.83	163.52	1.592				
9,800.00	6,979.71	9,367.83	7,063.16	88.85	87.22	110.40	896.98	2,979.06	259.42	90.49	168.92	1.536				
9,900.00	6,980.74	9,469.93	7,065.05	91.51	90.37	110.72	900.23	3,081.08	257.98	83.78	174.20	1.481	Level 3			
9,962.55	6,981.38	9,528.52	7,065.15	93.19	92.19	110.64	901.31	3,139.67	257.50	80.08	177.42	1.451	Level 3			
10,000.00	6,981.77	9,564.72	7,064.95	94.19	93.31	110.50	901.44	3,175.86	257.63	78.13	179.50	1.435	Level 3			
10,100.00	6,982.80	9,664.98	7,065.19	96.87	96.43	110.27	901.98	3,276.12	258.11	72.92	185.19	1.394	Level 3			
10,200.00	6,983.83	9,765.79	7,065.42	99.56	99.59	110.06	902.83	3,376.92	258.30	67.37	190.94	1.353	Level 3			
10,300.00	6,984.86	9,864.75	7,066.02	102.27	102.70	109.95	903.87	3,475.88	258.44	61.95	196.49	1.315	Level 3			
10,400.00	6,985.89	9,963.11	7,065.99	104.98	105.80	109.63	903.77	3,574.24	259.44	57.21	202.23	1.283	Level 3			
10,500.00	6,986.92	10,065.42	7,066.28	107.69	109.03	109.38	904.02	3,676.55	260.23	52.01	208.21	1.250	Level 2			
10,600.00	6,987.95	10,168.70	7,064.86	110.41	112.31	108.84	905.02	3,779.81	259.79	45.23	214.56	1.211	Level 2			
10,700.00	6,988.99	10,268.44	7,063.23	113.14	115.48	108.31	906.76	3,879.53	258.57	37.87	220.70	1.172	Level 2			
10,759.78	6,989.60	10,325.90	7,061.86	114.78	117.31	107.87	907.22	3,936.97	258.24	33.89	224.35	1.151	Level 2			
10,800.00	6,990.02	10,363.63	7,061.17	115.88	118.52	107.61	907.19	3,974.68	258.44	31.73	226.70	1.140	Level 2			
10,900.00	6,991.05	10,463.87	7,060.51	118.62	121.72	107.12	906.51	4,074.93	259.86	26.97	232.89	1.116	Level 2			
11,000.00	6,992.08	10,567.07	7,060.55	121.37	125.02	106.87	907.38	4,178.12	260.06	20.98	239.08	1.088	Level 2			
11,070.53	6,992.81	10,636.72	7,060.56	123.31	127.26	106.72	908.35	4,247.76	259.82	16.62	243.20	1.068	Level 2			
11,100.00	6,993.11	10,665.29	7,060.70	124.12	128.18	106.68	908.63	4,276.33	259.87	15.00	244.87	1.061	Level 2			
11,200.00	6,994.14	10,760.85	7,061.84	126.87	131.25	106.65	908.83	4,371.88	261.02	10.73	250.29	1.043	Level 2			
11,300.00	6,995.17	10,863.76	7,062.78	129.63	134.57	106.50	908.30	4,474.78	262.77	6.33	256.44	1.025	Level 2			
11,400.00	6,996.20	10,966.10	7,061.91	132.39	137.87	106.04	908.62	4,577.12	263.23	0.36	262.87	1.001	Level 2			
11,500.00	6,997.23	11,061.39	7,061.99	135.16	140.95	105.78	908.71	4,672.40	264.18	-4.38	268.56	0.984	Level 1			
11,600.00	6,998.26	11,165.53	7,062.75	137.93	144.32	105.64	908.87	4,776.54	265.24	-9.61	274.84	0.965	Level 1			
11,700.00	6,999.30	11,268.09	7,062.91	140.70	147.64	105.45	910.19	4,879.09	265.06	-15.98	281.04	0.943	Level 1			
11,800.00	7,000.33	11,369.09	7,063.70	143.48	150.91	105.46	912.63	4,980.06	263.97	-22.94	286.91	0.920	Level 1			
11,875.79	7,001.11	11,442.54	7,065.00	145.59	153.30	105.61	914.24	5,053.48	263.49	-27.51	291.01	0.905	Level 1			
11,900.00	7,001.36	11,464.88	7,065.32	146.26	154.02	105.62	914.50	5,075.82	263.55	-28.71	292.27	0.902	Level 1			
12,000.00	7,002.39	11,561.57	7,064.95	149.04	157.16	105.22	913.82	5,172.50	265.14	-33.13	298.28	0.889	Level 1			
12,100.00	7,003.42	11,665.92	7,063.21	151.82	160.56	104.54	913.38	5,276.83	266.16	-39.09	305.24	0.872	Level 1			
12,186.01	7,004.31	11,752.42	7,061.48	154.22	163.37	103.97	914.14	5,363.31	265.90	-45.04	310.94	0.855	Level 1			
12,200.00	7,004.45	11,765.75	7,061.32	154.61	163.81	103.90	914.23	5,376.64	265.92	-45.87	311.79	0.853	Level 1			
12,300.00	7,005.48	11,866.07	7,061.09	157.40	167.08	103.59	914.63	5,476.95	266.54	-51.49	318.04	0.838	Level 1			
12,346.27	7,005.96	11,914.43	7,061.09	158.69	168.65	103.48	915.28	5,525.31	266.43	-54.59	321.02	0.830	Level 1			
12,400.00	7,006.51	11,961.66	7,061.09	160.19	170.19	103.35	915.34	5,572.54	266.92	-56.91	323.83	0.824	Level 1			
12,500.00	7,007.54	12,059.08	7,061.05	162.98	173.37	102.99	913.64	5,669.94	269.66	-60.21	329.87	0.817	Level 1			
12,600.00	7,008.57	12,162.45	7,060.64	165.78	176.75	102.56	912.34	5,773.30	271.89	-64.68	336.57	0.808	Level 1			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
12,700.00	7,009.61	12,264.33	7,059.96	168.58	180.08	102.13	912.20	5,875.19	272.97	-70.13	343.10	0.796	Level 1	
12,800.00	7,010.64	12,369.01	7,060.03	171.38	183.50	101.92	913.36	5,979.86	273.01	-76.59	349.60	0.781	Level 1	
12,876.21	7,011.42	12,442.79	7,060.60	173.51	185.92	101.89	914.66	6,053.62	272.66	-81.35	354.01	0.770	Level 1	
12,900.00	7,011.67	12,465.95	7,060.97	174.18	186.68	101.92	914.96	6,076.77	272.69	-82.66	355.35	0.767	Level 1	
13,000.00	7,012.70	12,569.27	7,063.18	176.98	190.06	102.20	917.32	6,180.04	272.00	-89.24	361.23	0.753	Level 1	
13,026.00	7,012.97	12,592.59	7,063.76	177.71	190.82	102.27	917.82	6,203.35	271.87	-90.66	362.53	0.750	Level 1	
13,100.00	7,013.73	12,659.98	7,065.48	179.78	193.03	102.45	917.99	6,270.71	272.89	-93.28	366.17	0.745	Level 1	
13,200.00	7,014.76	12,763.01	7,066.49	182.59	196.41	102.35	917.34	6,373.74	274.82	-97.71	372.53	0.738	Level 1	
13,300.00	7,015.79	12,867.13	7,065.73	185.39	199.82	101.94	917.84	6,477.85	275.29	-103.99	379.28	0.726	Level 1	
13,400.00	7,016.82	12,968.90	7,064.41	188.20	203.16	101.46	919.27	6,579.60	274.76	-111.13	385.89	0.712	Level 1	
13,500.00	7,017.85	13,068.30	7,061.81	191.01	206.42	100.72	920.77	6,678.96	273.89	-118.72	392.61	0.698	Level 1	
13,600.00	7,018.88	13,169.88	7,060.10	193.82	209.75	100.15	922.03	6,780.51	273.51	-125.76	399.27	0.685	Level 1	
13,700.00	7,019.91	13,269.64	7,057.90	196.63	213.03	99.52	924.57	6,880.22	271.78	-134.09	405.87	0.670	Level 1	
13,741.30	7,020.34	13,308.15	7,057.39	197.79	214.29	99.34	925.14	6,918.72	271.56	-136.78	408.35	0.665	Level 1	
13,800.00	7,020.95	13,364.16	7,057.06	199.44	216.13	99.13	925.45	6,974.73	271.87	-139.99	411.86	0.660	Level 1	
13,900.00	7,021.98	13,462.21	7,057.22	202.26	219.36	98.90	925.08	7,072.77	273.42	-144.50	417.92	0.654	Level 1	
14,000.00	7,023.01	13,558.39	7,057.82	205.07	222.52	98.75	924.28	7,168.94	275.53	-148.17	423.69	0.650	Level 1	
14,100.00	7,024.04	13,655.85	7,060.78	207.89	225.73	99.04	922.07	7,266.34	279.40	-149.78	429.17	0.651	Level 1	
14,200.00	7,025.07	13,757.15	7,062.56	210.70	229.07	99.07	919.67	7,367.58	283.18	-152.19	435.36	0.650	Level 1	
14,300.00	7,026.10	13,859.17	7,062.81	213.52	232.43	98.80	917.65	7,469.59	286.34	-155.56	441.90	0.648	Level 1	
14,400.00	7,027.13	13,960.24	7,061.44	216.34	235.76	98.24	916.05	7,570.63	288.88	-159.69	448.58	0.644	Level 1	
14,500.00	7,028.16	14,066.05	7,059.47	219.16	239.25	97.58	915.37	7,676.42	290.47	-165.24	455.71	0.637	Level 1	
14,600.00	7,029.19	14,168.37	7,057.68	221.98	242.62	97.02	916.42	7,778.72	290.43	-171.94	462.37	0.628	Level 1	
14,635.34	7,029.56	14,202.67	7,056.91	222.97	243.75	96.79	916.80	7,813.01	290.36	-174.25	464.62	0.625	Level 1	
14,700.00	7,030.22	14,265.47	7,056.77	224.80	245.81	96.63	917.35	7,875.80	290.58	-177.95	468.53	0.620	Level 1	
14,800.00	7,031.26	14,365.12	7,056.88	227.62	249.10	96.44	917.86	7,975.45	291.30	-183.43	474.73	0.614	Level 1	
14,900.00	7,032.29	14,466.33	7,055.08	230.44	252.44	95.86	918.42	8,076.64	291.79	-189.50	481.29	0.606	Level 1	
15,000.00	7,033.32	14,564.30	7,055.16	233.26	255.67	95.67	918.89	8,174.60	292.55	-194.80	487.35	0.600	Level 1	
15,100.00	7,034.35	14,665.04	7,055.90	236.09	258.99	95.59	919.16	8,275.34	293.60	-199.96	493.56	0.595	Level 1	
15,200.00	7,035.38	14,767.59	7,056.77	238.91	262.38	95.55	920.33	8,377.88	293.77	-206.09	499.87	0.588	Level 1	
15,211.43	7,035.50	14,778.84	7,056.83	239.23	262.75	95.53	920.48	8,389.12	293.77	-206.79	500.56	0.587	Level 1	
15,300.00	7,036.41	14,866.97	7,056.67	241.74	265.66	95.32	921.40	8,477.24	293.93	-212.13	506.06	0.581	Level 1	
15,386.09	7,037.30	14,953.51	7,057.75	244.17	268.51	95.36	922.60	8,563.77	293.92	-217.41	511.32	0.575	Level 1	
15,400.00	7,037.44	14,967.18	7,057.96	244.56	268.97	95.37	922.78	8,577.44	293.92	-218.23	512.15	0.574	Level 1	
15,500.00	7,038.47	15,065.77	7,058.65	247.39	272.22	95.30	923.72	8,676.02	294.28	-223.91	518.20	0.568	Level 1	
15,600.00	7,039.50	15,166.22	7,057.51	250.21	275.54	94.87	924.25	8,776.46	294.90	-229.69	524.59	0.562	Level 1	
15,700.00	7,040.53	15,267.49	7,057.36	253.04	278.88	94.63	925.38	8,877.72	295.03	-235.89	530.92	0.556	Level 1	
15,800.00	7,041.57	15,369.00	7,055.73	255.87	282.23	94.11	926.74	8,979.21	294.84	-242.54	537.39	0.549	Level 1	
15,824.65	7,041.82	15,392.17	7,055.09	256.57	283.00	93.94	927.04	9,002.37	294.78	-244.10	538.88	0.547	Level 1	
15,900.00	7,042.60	15,463.23	7,053.19	258.70	285.34	93.42	927.30	9,073.41	295.34	-248.02	543.35	0.544	Level 1	
16,000.00	7,043.63	15,566.79	7,051.56	261.53	288.77	92.89	927.64	9,176.95	296.22	-253.73	549.95	0.539	Level 1	
16,100.00	7,044.66	15,664.54	7,051.28	264.35	292.00	92.64	928.18	9,274.70	296.94	-259.03	555.97	0.534	Level 1	
16,200.00	7,045.69	15,762.57	7,050.73	267.18	295.24	92.32	928.00	9,372.73	298.40	-263.60	562.00	0.531	Level 1	
16,300.00	7,046.72	15,863.51	7,048.47	270.01	298.58	91.68	927.80	9,473.63	299.82	-268.50	568.32	0.528	Level 1	
16,400.00	7,047.75	15,961.93	7,045.61	272.84	301.83	90.93	927.23	9,572.02	301.66	-272.69	574.35	0.525	Level 1	
16,500.00	7,048.78	16,063.83	7,044.23	275.67	305.20	90.47	926.99	9,673.91	303.20	-277.45	580.66	0.522	Level 1	
16,600.00	7,049.81	16,164.60	7,042.77	278.51	308.53	90.00	927.04	9,774.66	304.49	-282.32	586.81	0.519	Level 1	
16,700.00	7,050.84	16,264.98	7,041.72	281.34	311.85	89.61	927.55	9,875.03	305.33	-287.58	592.91	0.515	Level 1	
16,800.00	7,051.88	16,364.17	7,039.51	284.17	315.14	89.00	927.70	9,974.20	306.57	-292.26	598.83	0.512	Level 1	
16,900.00	7,052.91	16,464.64	7,036.60	287.00	318.46	88.27	928.01	10,074.62	307.70	-297.03	604.73	0.509	Level 1, ES, SF	
17,000.00	7,053.94	16,474.00	7,036.32	289.83	318.77	88.20	928.04	10,083.98	321.84	-257.18	579.02	0.556	Level 1	
17,100.00	7,054.97	16,474.00	7,036.32	292.67	318.77	88.20	928.04	10,083.98	363.86	-149.26	513.12	0.709	Level 1	

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SRC Wiedeman #21-5-3CHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 168-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
17,200.00	7,056.00	16,474.00	7,036.32	295.50	318.77	88.20	928.04	10,083.98	425.69	-14.47	440.16	0.967	Level 1
17,300.00	7,057.03	16,474.00	7,036.32	298.33	318.77	88.20	928.04	10,083.98	500.03	123.34	376.69	1.327	Level 3
17,400.00	7,058.06	16,474.00	7,036.32	301.17	318.77	88.20	928.04	10,083.98	582.10	256.30	325.80	1.787	
17,500.00	7,059.09	16,474.00	7,036.32	304.00	318.77	88.20	928.04	10,083.98	669.07	383.23	285.84	2.341	
17,600.00	7,060.12	16,474.00	7,036.32	306.84	318.77	88.20	928.04	10,083.98	759.26	504.86	254.40	2.985	
17,685.09	7,061.00	16,474.00	7,036.32	309.25	318.77	88.20	928.04	10,083.98	837.75	604.97	232.78	3.599	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	97.38	-65.56	506.36	510.64					
100.00	100.00	93.15	93.15	3.28	3.29	97.39	-65.70	506.33	510.58	504.00	6.57	77.700		
200.00	200.00	194.16	194.16	3.34	3.32	97.45	-66.15	506.20	510.51	503.85	6.65	76.727		
300.00	299.98	297.63	297.62	3.45	3.41	100.66	-67.02	505.51	510.28	503.42	6.86	74.402		
352.99	352.92	351.11	351.10	3.53	3.48	100.97	-67.40	504.90	510.17	503.16	7.01	72.795		
400.00	399.84	397.39	397.37	3.61	3.56	101.32	-67.68	504.42	510.28	503.12	7.16	71.252		
500.00	499.45	500.04	500.02	3.82	3.76	102.38	-68.31	503.17	510.97	503.41	7.56	67.562		
600.00	598.70	600.35	600.31	4.07	3.99	103.81	-69.03	501.40	512.13	504.09	8.04	63.698		
680.00	677.76	676.81	676.76	4.29	4.19	105.08	-69.19	500.24	514.05	505.60	8.46	60.778		
700.00	697.48	695.86	695.81	4.35	4.24	105.42	-69.12	500.04	514.72	506.15	8.57	60.074		
800.00	796.08	798.06	798.00	4.66	4.53	107.19	-68.44	498.80	518.10	508.93	9.17	56.501		
900.00	894.68	898.46	898.37	4.98	4.83	108.80	-66.60	497.36	521.43	511.62	9.81	53.152		
1,000.00	993.28	998.65	998.48	5.34	5.15	110.17	-62.87	496.14	524.82	514.33	10.48	50.057		
1,100.00	1,091.88	1,095.54	1,095.25	5.71	5.47	111.33	-57.96	495.55	528.63	517.45	11.18	47.294		
1,200.00	1,190.48	1,193.54	1,193.06	6.10	5.81	112.36	-51.99	495.79	533.12	521.22	11.90	44.793		
1,300.00	1,289.07	1,297.64	1,296.93	6.49	6.19	113.38	-45.08	495.79	537.38	524.70	12.67	42.399		
1,400.00	1,387.67	1,410.36	1,409.16	6.90	6.62	114.23	-34.79	494.89	540.14	526.64	13.51	39.989		
1,500.00	1,486.27	1,521.52	1,519.30	7.31	7.07	114.63	-19.92	493.07	540.61	526.25	14.36	37.649		
1,600.00	1,584.87	1,627.66	1,624.24	7.73	7.51	114.92	-4.33	490.06	539.50	524.29	15.21	35.466		
1,700.00	1,683.47	1,731.97	1,727.41	8.16	7.97	115.30	10.51	485.91	537.52	521.45	16.07	33.447		
1,800.00	1,782.07	1,830.62	1,825.05	8.59	8.41	115.77	23.85	481.18	535.09	518.17	16.92	31.626		
1,900.00	1,880.67	1,924.71	1,918.24	9.02	8.83	116.23	36.14	477.29	533.48	515.72	17.76	30.037		
2,000.00	1,979.27	2,022.00	2,014.54	9.46	9.28	116.57	49.74	474.66	532.86	514.23	18.62	28.610		
2,100.00	2,077.87	2,120.24	2,111.92	9.90	9.73	117.03	62.37	471.81	532.53	513.04	19.50	27.314		
2,129.63	2,107.09	2,149.27	2,140.72	10.03	9.86	117.18	65.93	470.96	532.51	512.76	19.76	26.956		
2,200.00	2,176.47	2,217.39	2,208.34	10.35	10.17	117.58	73.91	469.00	532.66	512.30	20.36	26.156		
2,300.00	2,275.07	2,328.94	2,318.98	10.79	10.69	118.18	87.63	465.27	532.27	510.98	21.29	24.997		
2,400.00	2,373.67	2,428.19	2,417.04	11.24	11.17	118.46	102.54	461.86	530.65	508.45	22.19	23.908		
2,500.00	2,472.27	2,529.41	2,517.05	11.69	11.67	118.75	117.73	458.25	528.91	505.80	23.11	22.888		
2,600.00	2,570.87	2,627.59	2,613.88	12.14	12.16	118.88	133.68	455.61	527.42	503.40	24.02	21.955		
2,700.00	2,669.47	2,734.01	2,718.56	12.59	12.71	118.85	152.62	452.78	525.28	500.30	24.98	21.027		
2,800.00	2,768.07	2,830.60	2,813.61	13.04	13.21	118.90	169.45	449.36	522.52	496.61	25.91	20.169		
2,900.00	2,866.67	2,920.16	2,901.81	13.50	13.67	118.86	184.97	448.24	521.82	495.01	26.81	19.463		
3,000.00	2,965.27	3,023.43	3,003.54	13.95	14.20	118.81	202.69	447.26	521.50	493.72	27.77	18.776		
3,100.00	3,063.87	3,126.20	3,104.90	14.41	14.73	118.89	219.58	445.16	520.52	491.79	28.73	18.118		
3,200.00	3,162.47	3,228.86	3,206.25	14.87	15.26	119.10	235.58	442.18	519.14	489.47	29.68	17.493		
3,300.00	3,261.07	3,325.98	3,302.21	15.32	15.76	119.39	250.20	438.73	517.44	486.84	30.60	16.909		
3,400.00	3,359.67	3,425.40	3,400.46	15.78	16.27	119.63	265.15	436.25	516.70	485.17	31.54	16.385		
3,500.00	3,458.27	3,522.24	3,496.17	16.24	16.77	119.90	279.59	433.44	515.67	483.21	32.46	15.885		
3,524.77	3,482.69	3,544.94	3,518.59	16.35	16.88	119.93	283.18	433.10	515.62	482.93	32.69	15.774		
3,600.00	3,556.87	3,620.93	3,593.58	16.70	17.28	119.98	295.41	432.29	515.67	482.26	33.41	15.436		
3,700.00	3,655.47	3,724.77	3,696.13	17.16	17.82	120.14	311.65	430.28	515.16	480.79	34.37	14.988		
3,800.00	3,754.06	3,831.20	3,801.14	17.62	18.38	120.32	328.69	427.27	513.70	478.36	35.34	14.535		
3,900.00	3,852.66	3,935.63	3,904.06	18.08	18.93	120.50	345.88	423.22	511.10	474.79	36.30	14.078		
4,000.00	3,951.26	4,036.16	4,003.15	18.54	19.47	120.74	362.20	418.66	508.02	470.77	37.25	13.637		
4,100.00	4,049.86	4,131.89	4,097.65	19.01	19.97	121.06	376.83	414.24	505.34	467.16	38.18	13.235		
4,200.00	4,148.46	4,230.65	4,195.34	19.47	20.48	121.54	390.61	409.56	503.20	464.10	39.10	12.869		
4,300.00	4,247.06	4,329.49	4,293.21	19.93	20.98	122.14	403.39	404.38	501.16	461.16	40.01	12.527		
4,361.13	4,307.34	4,381.88	4,345.12	20.21	21.24	122.44	410.10	402.27	500.63	460.09	40.54	12.349 CC		
4,400.00	4,345.66	4,415.25	4,378.20	20.39	21.41	122.59	414.45	401.50	500.84	459.97	40.87	12.254		
4,500.00	4,444.26	4,510.99	4,473.28	20.86	21.88	123.15	425.48	399.53	502.38	460.62	41.76	12.031		
4,600.00	4,542.86	4,598.41	4,560.31	21.32	22.29	123.82	433.53	398.20	505.62	463.06	42.57	11.879		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,700.00	4,641.46	4,697.72	4,659.34	21.78	22.73	124.72	440.93	397.15	510.28	466.85	43.43	11.750		
4,800.00	4,740.06	4,788.04	4,749.53	22.25	23.12	125.76	445.46	395.68	515.90	471.71	44.20	11.673		
4,900.00	4,838.66	4,877.62	4,839.08	22.71	23.48	127.00	447.28	394.39	523.56	478.64	44.91	11.657		
5,000.00	4,937.26	4,976.03	4,937.48	23.18	23.85	128.48	447.57	393.08	532.59	486.89	45.70	11.655		
5,100.00	5,035.86	5,075.75	5,037.19	23.64	24.24	129.88	448.22	391.76	541.76	495.26	46.50	11.650		
5,200.00	5,134.46	5,175.11	5,136.53	24.11	24.63	131.27	448.71	390.13	551.09	503.79	47.30	11.650		
5,300.00	5,233.06	5,275.21	5,236.61	24.57	25.01	132.66	449.09	388.16	560.56	512.45	48.11	11.651		
5,400.00	5,331.66	5,370.96	5,332.34	25.04	25.38	133.96	449.20	386.27	570.51	521.63	48.88	11.671		
5,500.00	5,430.26	5,471.71	5,433.08	25.50	25.78	135.27	449.31	384.35	580.82	531.12	49.71	11.685		
5,600.00	5,528.86	5,571.94	5,533.28	25.97	26.17	136.46	450.43	382.54	590.79	540.25	50.54	11.690		
5,700.00	5,627.46	5,666.94	5,618.28	26.43	26.51	137.32	451.40	382.68	602.35	551.14	51.20	11.763		
5,800.00	5,726.06	5,765.65	5,716.94	26.90	26.90	138.09	453.17	385.06	615.19	563.15	52.04	11.822		
5,900.00	5,824.66	5,860.38	5,821.58	27.36	27.32	138.80	456.19	387.76	627.46	574.50	52.96	11.848		
6,000.00	5,923.26	5,958.37	5,919.57	27.83	27.71	139.72	456.91	387.86	639.70	585.92	53.78	11.895		
6,100.00	6,021.86	6,063.18	6,024.37	28.30	28.12	140.77	457.28	386.75	651.62	596.95	54.68	11.918		
6,200.00	6,120.46	6,155.98	6,117.16	28.76	28.49	141.66	458.08	385.41	663.14	607.70	55.44	11.962		
6,300.00	6,219.06	6,235.27	6,196.44	29.23	28.79	142.45	456.69	385.26	677.50	621.50	56.01	12.097		
6,405.66	6,323.24	6,335.28	6,296.41	29.72	29.17	143.18	456.08	387.63	693.73	636.91	56.82	12.209		
6,450.00	6,366.93	6,365.19	6,326.24	29.93	29.28	120.21	456.25	389.66	700.41	643.43	56.98	12.292		
6,500.00	6,415.96	6,398.92	6,359.80	30.15	29.41	100.65	456.44	393.07	706.69	649.56	57.13	12.369		
6,550.00	6,464.44	6,429.50	6,390.07	30.37	29.52	88.23	456.63	397.32	711.70	654.50	57.19	12.443		
6,600.00	6,512.08	6,458.59	6,418.64	30.58	29.62	80.45	456.88	402.78	715.67	658.49	57.19	12.514		
6,650.00	6,558.58	6,487.76	6,446.98	30.78	29.72	75.42	457.21	409.67	718.64	661.49	57.15	12.575		
6,700.00	6,603.65	6,505.00	6,463.56	30.97	29.78	71.89	457.44	414.40	720.76	664.00	56.76	12.698		
6,750.00	6,647.02	6,547.44	6,503.90	31.15	29.92	69.93	457.76	427.56	721.51	664.47	57.04	12.649		
6,800.00	6,688.42	6,577.33	6,531.95	31.31	30.02	68.58	457.65	437.89	721.44	664.46	56.99	12.660		
6,850.00	6,727.59	6,608.21	6,560.56	31.46	30.11	67.88	457.27	449.49	720.45	663.47	56.98	12.644		
6,900.00	6,764.29	6,642.91	6,592.18	31.60	30.22	67.75	456.91	463.77	718.38	661.25	57.14	12.573		
6,950.00	6,798.30	6,677.82	6,623.33	31.73	30.32	68.03	456.79	479.52	715.22	657.86	57.36	12.470		
7,000.00	6,829.41	6,709.44	6,650.92	31.84	30.41	68.54	456.85	494.97	711.09	653.53	57.56	12.354		
7,050.00	6,857.42	6,737.81	6,675.04	32.03	30.48	69.22	456.81	509.91	706.42	648.67	57.75	12.232		
7,100.00	6,882.16	6,766.28	6,698.58	32.36	30.56	70.14	456.63	525.91	701.37	643.32	58.05	12.082		
7,150.00	6,903.48	6,795.59	6,722.07	32.73	30.64	71.30	456.31	543.43	696.04	637.54	58.50	11.898		
7,200.00	6,921.25	6,828.56	6,747.65	33.15	30.72	72.80	455.92	564.23	690.40	631.18	59.22	11.659		
7,250.00	6,935.36	6,861.72	6,772.46	33.61	30.80	74.51	455.58	586.23	684.49	624.41	60.08	11.392		
7,300.00	6,945.72	6,896.15	6,797.20	34.11	30.90	76.46	455.28	610.15	678.47	617.32	61.15	11.095		
7,350.00	6,952.26	6,933.29	6,822.77	34.65	31.00	78.71	455.17	637.09	672.37	609.95	62.42	10.772		
7,403.14	6,955.00	6,973.10	6,848.84	35.26	31.13	81.30	455.35	667.18	665.94	602.08	63.86	10.428		
7,500.00	6,955.99	7,038.68	6,887.90	36.49	31.43	84.63	455.85	719.81	657.67	591.24	66.42	9.901		
7,600.00	6,957.03	7,114.31	6,925.60	37.93	32.01	87.86	456.01	785.32	655.02	585.84	69.18	9.468		
7,603.90	6,957.07	7,117.40	6,926.98	37.99	32.04	87.98	456.00	788.08	655.02	585.72	69.29	9.453		
7,700.00	6,958.06	7,200.81	6,959.72	39.52	32.95	90.77	455.28	864.75	656.70	584.56	72.14	9.103		
7,800.00	6,959.09	7,303.19	6,987.94	41.25	34.33	93.13	454.38	963.07	659.88	584.38	75.50	8.740		
7,900.00	6,960.12	7,409.50	7,002.51	43.09	36.05	94.29	453.88	1,068.33	662.53	583.35	79.17	8.368		
8,000.00	6,961.15	7,512.50	7,012.58	45.04	37.93	95.06	453.90	1,170.84	664.56	581.52	83.04	8.003		
8,100.00	6,962.18	7,618.23	7,022.46	47.08	40.08	95.80	454.47	1,276.11	666.15	578.90	87.26	7.634		
8,200.00	6,963.21	7,722.60	7,029.09	49.20	42.36	96.28	455.72	1,380.24	666.86	575.19	91.67	7.275		
8,300.00	6,964.24	7,828.49	7,032.06	51.39	44.83	96.44	457.31	1,486.08	666.89	570.56	96.34	6.923		
8,400.00	6,965.27	7,937.46	7,034.34	53.64	47.50	96.55	460.11	1,594.99	665.80	564.51	101.29	6.573		
8,500.00	6,966.30	8,042.91	7,035.94	55.95	50.21	96.62	464.20	1,700.35	663.33	557.03	106.30	6.240		
8,600.00	6,967.33	8,130.79	7,037.28	58.30	52.53	96.67	466.92	1,788.17	661.64	550.78	110.86	5.968		
8,643.59	6,967.78	8,169.27	7,038.32	59.35	53.57	96.73	467.66	1,826.63	661.47	548.59	112.89	5.860		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,700.00	6,968.37	8,220.03	7,040.40	60.70	54.94	96.87	468.27	1,877.35	661.75	546.22	115.54	5.728		
8,800.00	6,969.40	8,324.11	7,044.75	63.14	57.83	97.15	469.61	1,981.33	662.20	541.36	120.84	5.480		
8,900.00	6,970.43	8,422.36	7,048.08	65.60	60.61	97.34	470.63	2,079.51	662.79	536.78	126.01	5.260		
9,000.00	6,971.46	8,526.66	7,051.53	68.10	63.61	97.55	472.74	2,183.74	662.38	530.90	131.48	5.038		
9,004.46	6,971.50	8,530.27	7,051.64	68.22	63.72	97.56	472.80	2,187.34	662.38	530.69	131.69	5.030		
9,100.00	6,972.49	8,611.46	7,053.30	70.63	66.08	97.62	472.89	2,268.51	663.65	527.39	136.26	4.871		
9,200.00	6,973.52	8,712.43	7,053.84	73.18	69.06	97.55	472.22	2,369.48	665.57	523.81	141.76	4.695		
9,300.00	6,974.55	8,806.17	7,054.85	75.75	71.85	97.53	471.04	2,463.20	668.15	521.15	147.00	4.545		
9,400.00	6,975.58	8,908.19	7,058.61	78.34	74.92	97.73	469.75	2,565.14	671.08	518.48	152.61	4.397		
9,500.00	6,976.61	9,014.39	7,063.41	80.94	78.15	98.02	469.48	2,671.23	673.14	514.72	158.42	4.249		
9,600.00	6,977.64	9,117.75	7,066.60	83.56	81.31	98.19	469.56	2,774.54	674.69	510.53	164.16	4.110		
9,700.00	6,978.68	9,221.11	7,069.78	86.20	84.50	98.35	470.29	2,877.84	675.61	505.69	169.93	3.976		
9,800.00	6,979.71	9,332.19	7,074.44	88.85	87.94	98.65	472.13	2,988.81	675.79	499.81	175.98	3.840		
9,900.00	6,980.74	9,446.68	7,077.66	91.51	91.51	98.86	476.30	3,103.18	673.80	491.64	182.15	3.699		
10,000.00	6,981.77	9,537.20	7,079.48	94.19	94.34	98.96	479.84	3,193.61	671.41	483.89	187.52	3.581		
10,100.00	6,982.80	9,634.63	7,081.97	96.87	97.40	99.11	482.76	3,290.97	670.02	476.89	193.12	3.469		
10,178.84	6,983.61	9,705.13	7,084.39	98.99	99.62	99.26	484.46	3,361.40	669.49	472.21	197.29	3.393		
10,200.00	6,983.83	9,723.89	7,085.36	99.56	100.21	99.33	484.80	3,380.13	669.53	471.15	198.38	3.375		
10,300.00	6,984.86	9,826.45	7,091.11	102.27	103.46	99.73	486.65	3,482.51	669.84	465.72	204.12	3.282		
10,314.99	6,985.02	9,842.12	7,091.92	102.67	103.95	99.79	486.98	3,498.16	669.83	464.84	204.99	3.268		
10,400.00	6,985.89	9,920.82	7,096.12	104.98	106.45	100.08	488.25	3,576.74	670.24	460.71	209.53	3.199		
10,500.00	6,986.92	10,004.07	7,100.97	107.69	109.10	100.40	488.35	3,659.85	672.30	457.91	214.39	3.136		
10,600.00	6,987.95	10,091.30	7,106.26	110.41	111.88	100.72	486.46	3,746.89	676.66	457.31	219.36	3.085		
10,700.00	6,988.99	10,198.12	7,110.93	113.14	115.30	100.94	483.06	3,853.54	681.77	456.31	225.45	3.024		
10,800.00	6,990.02	10,300.10	7,111.46	115.88	118.57	100.83	480.19	3,955.48	685.75	454.28	231.47	2.963		
10,900.00	6,991.05	10,421.84	7,107.33	118.62	122.47	100.33	478.13	4,077.12	687.89	449.22	238.67	2.882		
11,000.00	6,992.08	10,536.03	7,104.58	121.37	126.14	99.99	478.70	4,191.27	688.17	442.87	245.30	2.805		
11,100.00	6,993.11	10,641.30	7,104.47	124.12	129.52	99.93	482.57	4,296.47	685.64	434.23	251.41	2.727		
11,200.00	6,994.14	10,742.19	7,104.99	126.87	132.77	99.91	485.46	4,397.31	684.06	426.71	257.35	2.658		
11,300.00	6,995.17	10,836.15	7,104.45	129.63	135.81	99.81	488.66	4,491.21	681.78	418.69	263.09	2.591		
11,333.28	6,995.51	10,860.68	7,105.00	130.55	136.60	99.84	489.20	4,515.73	681.57	416.87	264.70	2.575		
11,400.00	6,996.20	10,928.19	7,107.21	132.39	138.78	99.97	490.33	4,583.19	681.61	413.01	268.60	2.538		
11,405.20	6,996.26	10,932.62	7,107.35	132.54	138.93	99.98	490.41	4,587.61	681.61	412.74	268.87	2.535		
11,500.00	6,997.23	11,029.46	7,110.28	135.16	142.07	100.14	491.89	4,684.41	681.78	407.31	274.47	2.484		
11,600.00	6,998.26	11,129.15	7,114.36	137.93	145.30	100.40	493.92	4,783.98	681.64	401.43	280.20	2.433		
11,638.54	6,998.66	11,166.06	7,116.07	139.00	146.50	100.52	494.76	4,820.84	681.54	399.20	282.34	2.414		
11,700.00	6,999.30	11,220.20	7,116.95	140.70	148.25	100.54	495.17	4,874.97	681.95	396.31	285.65	2.387		
11,800.00	7,000.33	11,315.98	7,114.87	143.48	151.37	100.26	494.89	4,970.73	683.00	391.43	291.58	2.342		
11,900.00	7,001.36	11,415.16	7,114.99	146.26	154.59	100.15	493.76	5,069.89	685.28	387.71	297.56	2.303		
12,000.00	7,002.39	11,535.44	7,116.25	149.04	158.51	100.14	494.37	5,190.16	686.20	381.79	304.41	2.254		
12,100.00	7,003.42	11,633.95	7,114.04	151.82	161.72	99.87	495.56	5,288.63	685.76	375.25	310.51	2.208		
12,132.26	7,003.75	11,659.96	7,113.87	152.72	162.57	99.84	495.95	5,314.64	685.61	373.40	312.21	2.196		
12,200.00	7,004.45	11,714.63	7,115.15	154.61	164.35	99.89	496.28	5,369.29	686.26	370.66	315.61	2.174		
12,300.00	7,005.48	11,804.04	7,117.00	157.40	167.27	99.93	495.22	5,458.67	688.94	367.96	320.98	2.146		
12,400.00	7,006.51	11,918.25	7,114.31	160.19	171.00	99.57	493.24	5,572.82	691.41	363.42	327.99	2.108		
12,500.00	7,007.54	12,022.27	7,110.31	162.98	174.40	99.12	492.29	5,676.76	692.86	358.37	334.49	2.071		
12,600.00	7,008.57	12,134.30	7,105.07	165.78	178.06	98.59	493.01	5,788.66	692.65	351.29	341.37	2.029		
12,700.00	7,009.61	12,233.79	7,102.49	168.58	181.31	98.30	494.87	5,888.10	691.60	344.05	347.55	1.990		
12,800.00	7,010.64	12,336.64	7,101.47	171.38	184.68	98.13	496.71	5,990.93	690.87	337.09	353.78	1.953		
12,900.00	7,011.67	12,444.16	7,098.77	174.18	188.20	97.84	499.56	6,098.37	689.08	328.83	360.25	1.913		
13,000.00	7,012.70	12,536.02	7,097.43	176.98	191.20	97.67	502.24	6,190.18	687.21	321.09	366.11	1.877		
13,100.00	7,013.73	12,634.71	7,098.74	179.78	194.44	97.70	504.45	6,288.84	686.36	314.28	372.08	1.845		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,192.21	7,014.68	12,720.66	7,100.62	182.37	197.26	97.79	506.22	6,374.74	685.85	308.52	377.33	1.818		
13,200.00	7,014.76	12,727.79	7,100.78	182.59	197.49	97.80	506.33	6,381.88	685.86	308.09	377.77	1.816		
13,300.00	7,015.79	12,820.65	7,101.79	185.39	200.54	97.79	506.99	6,474.72	686.49	303.01	383.48	1.790		
13,400.00	7,016.82	12,926.64	7,100.41	188.20	204.02	97.58	507.15	6,580.70	687.37	297.41	389.96	1.763		
13,500.00	7,017.85	13,033.57	7,097.25	191.01	207.53	97.22	507.95	6,687.58	687.47	290.94	396.54	1.734		
13,598.05	7,018.86	13,126.68	7,095.31	193.76	210.59	96.98	509.08	6,780.65	687.21	284.78	402.43	1.708		
13,600.00	7,018.88	13,128.56	7,095.31	193.82	210.65	96.97	509.11	6,782.53	687.21	284.67	402.54	1.707		
13,700.00	7,019.91	13,211.62	7,094.72	196.63	213.39	96.84	508.94	6,865.58	688.52	280.67	407.85	1.688		
13,800.00	7,020.95	13,317.94	7,091.92	199.44	216.88	96.49	507.65	6,971.86	690.64	276.16	414.48	1.666		
13,900.00	7,021.98	13,406.47	7,088.46	202.26	219.80	96.11	506.14	7,060.31	693.12	272.99	420.13	1.650		
14,000.00	7,023.01	13,498.74	7,084.45	205.07	222.83	95.67	503.35	7,152.44	696.92	270.97	425.95	1.636		
14,100.00	7,024.04	13,615.45	7,080.02	207.89	226.67	95.18	500.91	7,269.03	699.86	266.54	433.32	1.615		
14,200.00	7,025.07	13,711.32	7,077.47	210.70	229.83	94.87	499.63	7,364.86	702.20	262.88	439.32	1.598		
14,300.00	7,026.10	13,811.17	7,077.19	213.52	233.13	94.74	498.29	7,464.71	704.77	259.30	445.47	1.582		
14,400.00	7,027.13	13,911.32	7,075.27	216.34	236.43	94.49	496.71	7,564.81	707.45	255.76	451.70	1.566		
14,500.00	7,028.16	14,024.03	7,071.06	219.16	240.14	94.04	495.56	7,677.44	709.50	250.85	458.65	1.547		
14,600.00	7,029.19	14,136.77	7,066.42	221.98	243.85	93.57	497.12	7,790.07	709.07	243.63	465.44	1.523		
14,700.00	7,030.22	14,251.62	7,060.63	224.80	247.63	93.01	500.35	7,904.72	707.28	235.14	472.13	1.498 Level 3		
14,800.00	7,031.26	14,341.19	7,057.98	227.62	250.57	92.73	503.62	7,994.19	704.80	226.77	478.03	1.474 Level 3		
14,900.00	7,032.29	14,431.67	7,057.10	230.44	253.55	92.59	505.49	8,084.64	703.97	220.14	483.83	1.455 Level 3		
15,000.00	7,033.32	14,540.34	7,056.57	233.26	257.14	92.46	507.50	8,193.30	703.43	213.14	490.29	1.435 Level 3		
15,100.00	7,034.35	14,633.64	7,054.88	236.09	260.21	92.24	509.62	8,286.56	702.39	206.18	496.21	1.416 Level 3		
15,200.00	7,035.38	14,749.45	7,051.85	238.91	264.03	91.90	512.71	8,402.28	700.95	198.08	502.87	1.394 Level 3		
15,286.93	7,036.28	14,817.36	7,051.02	241.37	266.27	91.78	514.24	8,470.17	700.03	192.45	507.59	1.379 Level 3		
15,300.00	7,036.41	14,828.14	7,051.01	241.74	266.62	91.77	514.36	8,480.95	700.05	191.77	508.29	1.377 Level 3		
15,400.00	7,037.44	14,936.57	7,051.60	244.56	270.20	91.73	516.02	8,589.36	699.86	185.11	514.76	1.360 Level 3		
15,416.75	7,037.61	14,947.18	7,051.61	245.04	270.55	91.72	516.15	8,599.97	699.84	184.29	515.54	1.357 Level 3		
15,500.00	7,038.47	15,013.10	7,050.90	247.39	272.73	91.60	516.18	8,665.88	700.87	181.10	519.77	1.348 Level 3		
15,600.00	7,039.50	15,122.17	7,049.07	250.21	276.34	91.36	515.32	8,774.93	702.96	176.53	526.43	1.335 Level 3		
15,700.00	7,040.53	15,235.79	7,048.26	253.04	280.09	91.20	516.81	8,888.54	702.93	169.76	533.17	1.318 Level 3		
15,800.00	7,041.57	15,336.07	7,047.13	255.87	283.40	91.02	518.80	8,988.79	702.24	162.93	539.31	1.302 Level 3		
15,900.00	7,042.60	15,432.99	7,045.29	258.70	286.60	90.79	520.93	9,085.67	701.35	156.03	545.33	1.286 Level 3		
15,915.34	7,042.75	15,445.95	7,045.11	259.13	287.03	90.76	521.12	9,098.63	701.33	155.16	546.17	1.284 Level 3		
16,000.00	7,043.63	15,521.95	7,044.76	261.53	289.54	90.67	521.47	9,174.62	702.04	151.09	550.95	1.274 Level 3		
16,100.00	7,044.66	15,625.01	7,043.91	264.35	292.95	90.51	521.77	9,277.68	703.08	145.84	557.24	1.262 Level 3		
16,200.00	7,045.69	15,733.99	7,043.79	267.18	296.55	90.41	522.82	9,386.65	703.46	139.70	563.76	1.248 Level 2		
16,300.00	7,046.72	15,839.51	7,041.56	270.01	300.04	90.14	525.47	9,492.11	702.26	132.19	570.07	1.232 Level 2		
16,400.00	7,047.75	15,940.04	7,038.94	272.84	303.36	89.84	528.03	9,592.58	701.07	124.88	576.18	1.217 Level 2		
16,500.00	7,048.78	16,037.50	7,036.39	275.67	306.57	89.55	530.58	9,689.97	699.81	117.64	582.18	1.202 Level 2		
16,600.00	7,049.81	16,144.72	7,033.58	278.51	310.11	89.23	533.34	9,797.12	698.63	110.17	588.46	1.187 Level 2		
16,700.00	7,050.84	16,239.82	7,030.98	281.34	313.25	88.93	536.42	9,892.14	696.81	102.44	594.37	1.172 Level 2		
16,800.00	7,051.88	16,331.91	7,029.05	284.17	316.30	88.70	538.35	9,984.17	696.13	95.99	600.14	1.160 Level 2		
16,810.56	7,051.98	16,341.65	7,028.99	284.47	316.62	88.68	538.49	9,993.92	696.12	95.38	600.74	1.159 Level 2		
16,900.00	7,052.91	16,419.98	7,028.95	287.00	319.21	88.61	538.98	10,072.24	696.80	91.14	605.66	1.150 Level 2		
17,000.00	7,053.94	16,518.25	7,029.40	289.83	322.47	88.57	538.35	10,170.51	698.79	87.10	611.69	1.142 Level 2		
17,100.00	7,054.97	16,613.06	7,030.25	292.67	325.61	88.57	537.69	10,265.31	700.84	83.32	617.51	1.135 Level 2		
17,200.00	7,056.00	16,722.59	7,031.46	295.50	329.24	88.58	536.72	10,374.83	703.10	78.87	624.23	1.126 Level 2		
17,300.00	7,057.03	16,792.00	7,032.30	298.33	331.54	88.59	536.95	10,444.24	704.83	76.67	628.16	1.122 Level 2, ES, SF		
17,400.00	7,058.06	16,792.00	7,032.30	301.17	331.54	88.59	536.95	10,444.24	717.37	98.18	619.19	1.159 Level 2		
17,500.00	7,059.09	16,792.00	7,032.30	304.00	331.54	88.59	536.95	10,444.24	743.27	143.55	599.72	1.239 Level 2		
17,600.00	7,060.12	16,792.00	7,032.30	306.84	331.54	88.59	536.95	10,444.24	781.21	208.45	572.76	1.364 Level 3		
17,685.09	7,061.00	16,792.00	7,032.30	309.25	331.54	88.59	536.95	10,444.24	821.73	275.35	546.38	1.504		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	107.32	-155.18	497.73	521.41					
100.00	100.00	99.62	99.62	3.28	3.30	107.39	-155.62	496.77	520.62	514.03	6.58	79.062		
200.00	200.00	203.29	203.25	3.34	3.38	107.58	-156.76	494.63	518.98	512.26	6.72	77.245		
300.00	299.98	301.25	301.16	3.45	3.51	110.95	-158.47	492.08	517.65	510.70	6.95	74.439		
315.24	315.21	315.78	315.69	3.47	3.53	111.05	-158.81	491.74	517.63	510.63	7.00	73.967 CC, ES		
400.00	399.84	392.29	392.15	3.61	3.67	111.75	-161.07	490.38	518.71	511.44	7.27	71.319		
500.00	499.45	484.35	484.14	3.82	3.87	112.87	-164.66	490.08	523.01	515.33	7.68	68.115		
600.00	598.70	577.97	577.65	4.07	4.10	114.34	-169.29	490.43	530.06	521.90	8.16	64.950		
680.00	677.76	660.45	659.92	4.29	4.34	116.00	-175.01	490.42	537.48	528.86	8.62	62.387		
700.00	697.48	682.90	682.30	4.35	4.41	116.54	-176.76	490.08	539.33	530.59	8.74	61.699		
800.00	796.08	787.95	786.80	4.66	4.75	119.28	-186.69	486.28	548.02	538.62	9.39	58.333		
900.00	894.68	877.00	874.98	4.98	5.08	121.87	-198.07	481.34	557.77	547.71	10.06	55.467		
1,000.00	993.28	964.86	961.73	5.34	5.43	124.49	-211.23	476.81	570.32	559.56	10.76	53.026		
1,100.00	1,091.88	1,059.57	1,054.96	5.71	5.85	127.35	-227.08	471.71	585.09	573.57	11.52	50.788		
1,200.00	1,190.48	1,148.38	1,142.31	6.10	6.25	129.95	-242.30	466.68	601.38	589.10	12.28	48.962		
1,300.00	1,289.07	1,234.56	1,227.05	6.49	6.66	132.32	-257.55	462.89	620.31	607.26	13.04	47.557		
1,400.00	1,387.67	1,321.16	1,312.05	6.90	7.09	134.60	-273.81	459.71	641.67	627.86	13.81	46.454		
1,500.00	1,486.27	1,417.52	1,406.76	7.31	7.57	136.87	-291.39	457.48	664.73	650.09	14.64	45.408		
1,600.00	1,584.87	1,531.99	1,519.95	7.73	8.13	139.12	-308.27	455.49	686.60	671.03	15.57	44.106		
1,700.00	1,683.47	1,632.85	1,619.91	8.16	8.61	140.93	-321.51	452.79	707.40	690.98	16.42	43.091		
1,800.00	1,782.07	1,734.00	1,720.14	8.59	9.10	142.67	-334.68	449.58	728.45	711.17	17.28	42.154		
1,900.00	1,880.67	1,825.19	1,810.24	9.02	9.56	144.35	-347.73	444.29	749.53	731.44	18.09	41.427		
2,000.00	1,979.27	1,917.31	1,901.30	9.46	10.03	145.89	-361.07	440.40	772.26	753.34	18.92	40.821		
2,100.00	2,077.87	2,005.34	1,988.04	9.90	10.50	147.43	-375.04	434.95	795.63	775.91	19.72	40.347		
2,200.00	2,176.47	2,090.06	2,071.37	10.35	10.96	148.84	-389.65	430.37	821.09	800.59	20.50	40.059		
2,300.00	2,275.07	2,180.06	2,160.01	10.79	11.44	150.17	-404.78	426.86	847.52	826.21	21.31	39.772		
2,400.00	2,373.67	2,260.45	2,239.04	11.24	11.89	151.32	-419.21	423.93	875.47	853.43	22.04	39.717		
2,500.00	2,472.27	2,334.05	2,311.04	11.69	12.31	152.38	-434.18	421.04	905.71	883.00	22.71	39.874		
2,600.00	2,570.87	2,431.54	2,406.35	12.14	12.88	153.67	-454.50	418.16	937.24	913.65	23.59	39.722		
2,700.00	2,669.47	2,521.37	2,494.24	12.59	13.40	154.76	-472.91	415.85	969.00	944.60	24.40	39.705		
2,800.00	2,768.07	2,634.32	2,604.45	13.04	14.08	156.25	-496.60	409.01	1,000.10	974.66	25.44	39.311		
2,900.00	2,866.67	2,710.75	2,678.82	13.50	14.55	157.29	-513.21	403.11	1,031.68	1,005.53	26.15	39.455		
3,000.00	2,965.27	2,840.29	2,805.19	13.95	15.34	158.90	-539.78	393.04	1,062.55	1,035.21	27.34	38.866		
3,100.00	3,063.87	2,941.93	2,904.99	14.41	15.92	159.95	-557.89	386.63	1,091.99	1,063.73	28.26	38.636		
3,200.00	3,162.47	3,044.52	3,006.01	14.87	16.49	160.87	-575.05	381.41	1,121.16	1,091.98	29.19	38.415		
3,300.00	3,261.07	3,160.11	3,120.25	15.32	17.11	161.72	-592.13	377.33	1,149.32	1,119.12	30.20	38.058		
3,400.00	3,359.67	3,258.75	3,218.01	15.78	17.62	162.33	-604.96	374.68	1,176.26	1,145.19	31.07	37.855		
3,500.00	3,458.27	3,339.12	3,297.47	16.24	18.05	162.90	-616.45	370.99	1,203.93	1,172.13	31.81	37.849		
3,600.00	3,556.87	3,419.44	3,376.62	16.70	18.50	163.50	-629.42	366.63	1,233.14	1,200.59	32.54	37.892		
3,700.00	3,655.47	3,511.57	3,467.38	17.16	19.01	164.13	-644.67	362.50	1,263.18	1,229.80	33.38	37.843		
3,800.00	3,754.06	3,617.83	3,572.19	17.62	19.60	164.79	-661.63	358.16	1,292.93	1,258.59	34.34	37.654		
3,900.00	3,852.66	3,706.65	3,659.78	18.08	20.10	165.37	-675.51	353.42	1,322.19	1,287.04	35.15	37.620		
4,000.00	3,951.26	3,780.91	3,732.83	18.54	20.52	165.84	-688.25	349.40	1,352.91	1,317.09	35.83	37.762		
4,100.00	4,049.86	3,863.72	3,814.12	19.01	21.00	166.37	-703.37	344.85	1,384.78	1,348.19	36.58	37.851		
4,200.00	4,148.46	3,945.71	3,894.49	19.47	21.49	166.88	-719.01	340.34	1,417.54	1,380.20	37.33	37.969		
4,300.00	4,247.06	4,043.30	3,990.09	19.93	22.07	167.45	-737.88	335.19	1,450.71	1,412.48	38.23	37.943		
4,400.00	4,345.66	4,130.85	4,075.87	20.39	22.60	167.95	-754.81	330.54	1,484.00	1,444.96	39.04	38.015		
4,500.00	4,444.26	4,240.15	4,183.01	20.86	23.25	168.52	-775.65	324.98	1,517.19	1,477.14	40.05	37.884		
4,600.00	4,542.86	4,304.61	4,246.14	21.32	23.64	168.86	-788.23	321.52	1,550.82	1,510.19	40.63	38.169		
4,700.00	4,641.46	4,403.19	4,342.35	21.78	24.25	169.40	-808.80	315.32	1,585.66	1,544.11	41.55	38.166		
4,800.00	4,740.06	4,492.49	4,429.67	22.25	24.80	169.85	-826.73	310.00	1,619.92	1,577.55	42.37	38.229		
4,900.00	4,838.66	4,627.90	4,562.12	22.71	25.62	170.53	-853.38	301.08	1,653.96	1,610.32	43.65	37.894		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,700.53	4,633.28	23.18	26.06	170.87	-867.07	296.28	1,687.09	1,642.77	44.31	38.071		
5,100.00	5,035.86	4,833.92	4,764.25	23.64	26.84	171.49	-890.48	286.71	1,718.80	1,673.24	45.55	37.732		
5,200.00	5,134.46	4,902.00	4,831.01	24.11	27.24	171.79	-903.00	282.24	1,751.54	1,705.36	46.18	37.927		
5,300.00	5,233.06	4,992.23	4,919.42	24.57	27.79	172.15	-920.25	276.99	1,785.32	1,738.31	47.02	37.973		
5,400.00	5,331.66	5,093.34	5,018.73	25.04	28.38	172.50	-938.54	271.98	1,818.35	1,770.41	47.95	37.923		
5,500.00	5,430.26	5,184.39	5,108.22	25.50	28.91	172.79	-954.86	267.88	1,851.35	1,802.57	48.79	37.949		
5,600.00	5,528.86	5,280.69	5,202.85	25.97	29.47	173.09	-972.13	263.57	1,884.42	1,834.74	49.67	37.937		
5,700.00	5,627.46	5,362.05	5,282.78	26.43	29.95	173.33	-986.91	260.05	1,917.75	1,867.34	50.42	38.037		
5,800.00	5,726.06	5,458.97	5,378.02	26.90	30.51	173.57	-1,004.67	256.99	1,951.45	1,900.14	51.31	38.034		
5,900.00	5,824.66	5,550.08	5,468.53	27.36	32.20	174.09	-1,044.45	252.06	1,979.13	1,925.11	54.02	36.638		
6,000.00	5,923.26	5,649.04	5,561.37	27.83	32.96	174.32	-1,049.35	248.41	1,997.44	1,942.07	55.37	36.077		
6,100.00	6,021.86	5,748.90	5,661.20	28.30	33.31	174.44	-1,049.51	245.76	2,013.81	1,957.60	56.21	35.826		
6,200.00	6,120.46	5,848.32	5,764.58	28.76	33.73	174.58	-1,049.63	242.77	2,030.24	1,973.10	57.14	35.529		
6,300.00	6,219.06	5,948.08	5,864.33	29.23	34.00	174.64	-1,048.97	241.81	2,045.93	1,988.03	57.90	35.334		
6,405.66	6,323.24	6,049.46	5,965.68	29.72	34.44	174.68	-1,046.96	242.65	2,062.19	2,003.29	58.90	35.011		
6,450.00	6,366.93	6,093.37	6,009.57	29.93	34.57	151.49	-1,045.80	243.36	2,068.30	2,009.04	59.25	34.905		
6,500.00	6,415.96	6,148.06	6,064.18	30.15	34.76	131.68	-1,043.64	245.93	2,074.57	2,014.88	59.69	34.755		
6,550.00	6,464.44	6,197.00	6,112.46	30.37	34.73	118.97	-1,041.10	250.03	2,079.70	2,019.83	59.87	34.738		
6,600.00	6,512.08	6,246.16	6,161.77	30.58	35.00	110.84	-1,039.25	254.03	2,084.46	2,024.07	60.39	34.515		
6,650.00	6,558.58	6,293.54	6,208.90	30.78	35.06	105.34	-1,038.22	257.44	2,089.24	2,028.58	60.67	34.438		
6,700.00	6,603.65	6,340.00	6,255.92	30.97	35.15	101.54	-1,037.18	262.86	2,094.03	2,033.07	60.96	34.350		
6,750.00	6,647.02	6,387.00	6,302.92	31.15	35.15	98.47	-1,037.18	262.86	2,098.82	2,037.71	61.12	34.342		
6,800.00	6,688.42	6,434.89	6,350.10	31.31	35.24	96.39	-1,036.59	269.70	2,103.52	2,042.13	61.39	34.267		
6,850.00	6,727.59	6,482.74	6,396.27	31.46	35.30	94.66	-1,036.44	274.98	2,108.35	2,046.74	61.61	34.221		
6,900.00	6,764.29	6,530.00	6,445.55	31.60	35.40	93.51	-1,036.63	287.41	2,113.41	2,051.48	61.93	34.128		
6,950.00	6,798.30	6,578.00	6,493.55	31.73	35.40	92.14	-1,036.63	287.41	2,118.11	2,056.04	62.08	34.122		
7,000.00	6,829.41	6,626.00	6,541.55	31.84	35.40	90.92	-1,036.63	287.41	2,123.27	2,061.04	62.23	34.119		
7,050.00	6,857.42	6,674.92	6,589.72	32.03	35.50	90.44	-1,037.51	301.73	2,128.07	2,065.45	62.62	33.986		
7,100.00	6,882.16	6,723.11	6,637.37	32.36	35.54	89.79	-1,038.19	309.03	2,133.16	2,070.22	62.93	33.896		
7,150.00	6,903.48	6,771.83	6,685.41	32.73	35.59	89.24	-1,039.01	316.51	2,138.32	2,075.04	63.29	33.787		
7,200.00	6,921.25	6,819.00	6,733.34	33.15	35.64	88.86	-1,040.20	325.91	2,143.60	2,079.88	63.71	33.645		
7,250.00	6,935.36	6,867.42	6,781.19	33.61	35.82	89.67	-1,044.08	362.97	2,148.57	2,084.08	64.49	33.319		
7,300.00	6,945.72	6,915.72	6,831.12	34.11	36.04	91.47	-1,046.15	437.40	2,151.85	2,086.32	65.52	32.842		
7,350.00	6,952.26	6,963.35	6,883.47	34.65	36.08	91.64	-1,046.26	459.72	2,154.61	2,088.44	66.16	32.566		
7,403.14	6,955.00	6,970.72	6,888.58	35.26	36.13	91.91	-1,046.60	486.48	2,157.56	2,090.67	66.89	32.257		
7,500.00	6,955.99	6,975.23	6,893.69	36.49	36.20	93.06	-1,047.82	546.51	2,163.80	2,095.33	68.46	31.605		
7,600.00	6,957.03	6,976.00	6,894.33	37.93	40.05	94.61	-1,049.38	640.52	2,170.91	2,097.90	73.01	29.735		
7,700.00	6,958.06	6,977.50	6,895.86	39.52	36.60	96.26	-1,050.10	780.94	2,176.80	2,103.13	73.67	29.548		
7,800.00	6,959.09	6,978.71	6,896.89	41.25	38.03	97.10	-1,050.87	956.43	2,180.80	2,102.99	77.81	28.028		
7,900.00	6,960.12	6,979.24	6,897.67	43.09	39.17	97.25	-1,050.95	1,031.67	2,183.25	2,102.34	80.91	26.985		
8,000.00	6,961.15	6,980.40	6,898.97	45.04	42.39	97.33	-1,050.72	1,204.73	2,184.66	2,098.55	86.10	25.373		
8,100.00	6,962.18	6,981.49	6,899.01	47.08	44.56	97.36	-1,048.97	1,307.79	2,184.43	2,094.11	90.32	24.186		
8,200.00	6,963.21	6,982.54	6,899.16	49.20	47.08	97.33	-1,047.03	1,419.29	2,183.93	2,088.98	94.95	23.002		
8,300.00	6,964.24	6,983.72	6,899.35	51.39	49.94	97.29	-1,044.13	1,538.96	2,182.67	2,082.70	99.97	21.834		
8,400.00	6,965.27	6,984.09	6,899.54	53.64	52.23	97.26	-1,041.76	1,630.30	2,181.23	2,076.70	104.53	20.866		
8,500.00	6,966.30	6,984.39	6,899.75	55.95	55.17	97.23	-1,038.20	1,743.54	2,179.23	2,069.48	109.75	19.856		
8,600.00	6,967.33	6,985.00	6,899.96	58.30	57.10	97.18	-1,036.64	1,816.12	2,178.05	2,063.95	114.10	19.090		
8,700.00	6,968.37	6,985.83	6,900.20	60.70	59.74	97.10	-1,035.28	1,912.92	2,177.62	2,058.48	119.14	18.277		
8,800.00	6,969.40	6,986.74	6,900.69	63.14	63.91	97.07	-1,030.84	2,062.75	2,175.86	2,050.23	125.63	17.320		
8,900.00	6,970.43	6,987.13	6,901.20	65.60	66.56	97.10	-1,026.65	2,156.03	2,172.89	2,042.13	130.75	16.618		
9,000.00	6,971.46	6,987.08	6,901.85	68.10	68.92	97.12	-1,023.83	2,237.92	2,170.85	2,035.20	135.65	16.003		
9,100.00	6,972.49	6,987.74	6,902.56	70.63	71.36	97.16	-1,021.37	2,321.51	2,169.46	2,028.83	140.63	15.426		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,185.67	6,973.37	9,122.00	7,237.86	72.81	73.28	97.19	-1,020.03	2,386.74	2,169.07	2,024.30	144.76	14.984		
9,200.00	6,973.52	9,133.48	7,238.19	73.18	73.62	97.20	-1,019.86	2,398.21	2,169.08	2,023.61	145.47	14.911		
9,300.00	6,974.55	9,215.63	7,240.31	75.75	76.07	97.23	-1,019.04	2,480.33	2,169.62	2,019.13	150.49	14.417		
9,400.00	6,975.58	9,330.63	7,243.15	78.34	79.53	97.27	-1,017.67	2,595.29	2,169.91	2,013.44	156.47	13.868		
9,500.00	6,976.61	9,395.65	7,244.73	80.94	81.50	97.29	-1,017.38	2,660.29	2,170.98	2,009.91	161.07	13.478		
9,600.00	6,977.64	9,503.83	7,247.27	83.56	84.80	97.32	-1,017.78	2,768.43	2,172.86	2,005.91	166.95	13.015		
9,700.00	6,978.68	9,592.12	7,248.98	86.20	87.52	97.34	-1,018.07	2,856.71	2,174.64	2,002.36	172.28	12.623		
9,800.00	6,979.71	9,711.44	7,253.84	88.85	91.20	97.43	-1,017.67	2,975.91	2,175.99	1,997.45	178.53	12.188		
9,900.00	6,980.74	9,787.00	7,257.32	91.51	93.55	97.50	-1,017.70	3,051.39	2,177.79	1,994.28	183.51	11.867		
10,000.00	6,981.77	9,886.62	7,259.98	94.19	96.66	97.53	-1,018.56	3,150.97	2,180.20	1,990.95	189.25	11.520		
10,100.00	6,982.80	10,014.35	7,262.85	96.87	100.67	97.57	-1,019.09	3,278.66	2,182.17	1,986.32	195.86	11.142		
10,200.00	6,983.83	10,148.93	7,263.40	99.56	104.90	97.54	-1,017.26	3,413.23	2,181.96	1,979.29	202.67	10.766		
10,300.00	6,984.86	10,301.18	7,265.88	102.27	109.69	97.58	-1,012.43	3,565.36	2,180.24	1,970.33	209.91	10.387		
10,400.00	6,985.89	10,391.07	7,268.24	104.98	112.52	97.63	-1,008.11	3,655.10	2,177.07	1,961.62	215.45	10.105		
10,500.00	6,986.92	10,453.00	7,268.84	107.69	114.48	97.63	-1,006.40	3,717.01	2,175.58	1,955.33	220.25	9.878		
10,600.00	6,987.95	10,600.00	7,269.38	110.41	119.15	97.62	-1,004.14	3,820.28	2,174.67	1,947.08	227.59	9.555		
10,640.61	6,988.37	10,577.36	7,269.73	111.52	118.44	97.62	-1,003.70	3,841.34	2,174.45	1,946.41	228.03	9.536		
10,700.00	6,988.99	10,605.92	7,270.37	113.14	119.35	97.63	-1,003.48	3,869.88	2,174.87	1,944.27	230.60	9.431		
10,800.00	6,990.02	10,674.31	7,272.79	115.88	121.53	97.67	-1,004.17	3,938.23	2,177.37	1,941.89	235.48	9.247		
10,900.00	6,991.05	10,789.50	7,276.83	118.62	125.23	97.73	-1,004.93	4,053.35	2,179.66	1,937.82	241.84	9.013		
11,000.00	6,992.08	10,881.02	7,277.14	121.37	128.17	97.71	-1,005.92	4,144.85	2,181.98	1,934.48	247.50	8.816		
11,100.00	6,993.11	11,037.84	7,275.85	124.12	133.22	97.62	-1,007.05	4,301.65	2,184.09	1,928.87	255.22	8.558		
11,200.00	6,994.14	11,156.79	7,277.79	126.87	137.05	97.64	-1,005.17	4,420.57	2,183.99	1,922.30	261.69	8.346		
11,300.00	6,995.17	11,279.51	7,279.67	129.63	141.00	97.67	-1,001.36	4,543.22	2,182.25	1,914.00	268.25	8.135		
11,400.00	6,996.20	11,376.50	7,280.33	132.39	144.12	97.66	-998.23	4,640.15	2,180.34	1,906.22	274.12	7.954		
11,500.00	6,997.23	11,473.43	7,280.23	135.16	147.25	97.64	-995.38	4,737.04	2,178.61	1,898.61	280.00	7.781		
11,600.00	6,998.26	11,587.18	7,279.07	137.93	150.92	97.59	-991.98	4,850.73	2,176.72	1,890.36	286.37	7.601		
11,700.00	6,999.30	11,713.45	7,275.88	140.70	155.00	97.48	-987.24	4,976.87	2,173.88	1,880.80	293.08	7.417		
11,800.00	7,000.33	11,784.00	7,273.79	143.48	157.28	97.41	-984.05	5,047.32	2,170.46	1,872.14	298.32	7.276		
11,846.72	7,000.81	11,784.00	7,273.79	144.78	157.28	97.41	-984.05	5,047.32	2,169.95	1,870.17	299.78	7.238		
11,900.00	7,001.36	11,784.00	7,273.79	146.26	157.28	97.41	-984.05	5,047.32	2,170.61	1,869.31	301.30	7.204		
12,000.00	7,002.39	11,784.00	7,273.79	149.04	157.28	97.41	-984.05	5,047.32	2,175.36	1,871.69	303.67	7.164		
12,100.00	7,003.42	11,784.00	7,273.79	151.82	157.28	97.41	-984.05	5,047.32	2,184.69	1,879.26	305.43	7.153 SF		
12,200.00	7,004.45	11,784.00	7,273.79	154.61	157.28	97.41	-984.05	5,047.32	2,198.52	1,891.95	306.58	7.171		
12,300.00	7,005.48	11,784.00	7,273.79	157.40	157.28	97.41	-984.05	5,047.32	2,216.79	1,909.66	307.13	7.218		
12,400.00	7,006.51	11,784.00	7,273.79	160.19	157.28	97.41	-984.05	5,047.32	2,239.38	1,932.27	307.11	7.292		
12,500.00	7,007.54	11,784.00	7,273.79	162.98	157.28	97.41	-984.05	5,047.32	2,266.16	1,959.61	306.55	7.392		
12,600.00	7,008.57	11,784.00	7,273.79	165.78	157.28	97.41	-984.05	5,047.32	2,296.98	1,991.48	305.50	7.519		
12,700.00	7,009.61	11,784.00	7,273.79	168.58	157.28	97.41	-984.05	5,047.32	2,331.69	2,027.69	304.00	7.670		
12,800.00	7,010.64	11,784.00	7,273.79	171.38	157.28	97.41	-984.05	5,047.32	2,370.11	2,068.02	302.09	7.846		
12,900.00	7,011.67	11,784.00	7,273.79	174.18	157.28	97.41	-984.05	5,047.32	2,412.07	2,112.24	299.83	8.045		
13,000.00	7,012.70	11,784.00	7,273.79	176.98	157.28	97.41	-984.05	5,047.32	2,457.39	2,160.11	297.27	8.266		
13,100.00	7,013.73	11,784.00	7,273.79	179.78	157.28	97.41	-984.05	5,047.32	2,505.87	2,211.42	294.46	8.510		
13,200.00	7,014.76	11,784.00	7,273.79	182.59	157.28	97.41	-984.05	5,047.32	2,557.35	2,265.93	291.43	8.775		
13,300.00	7,015.79	11,784.00	7,273.79	185.39	157.28	97.41	-984.05	5,047.32	2,611.65	2,323.42	288.23	9.061		
13,400.00	7,016.82	11,784.00	7,273.79	188.20	157.28	97.41	-984.05	5,047.32	2,668.59	2,383.69	284.90	9.367		
13,500.00	7,017.85	11,784.00	7,273.79	191.01	157.28	97.41	-984.05	5,047.32	2,728.01	2,446.53	281.48	9.692		
13,600.00	7,018.88	11,784.00	7,273.79	193.82	157.28	97.41	-984.05	5,047.32	2,789.75	2,511.75	277.99	10.035		
13,700.00	7,019.91	11,784.00	7,273.79	196.63	157.28	97.41	-984.05	5,047.32	2,853.65	2,579.19	274.47	10.397		
13,800.00	7,020.95	11,784.00	7,273.79	199.44	157.28	97.41	-984.05	5,047.32	2,919.59	2,648.66	270.93	10.776		
13,900.00	7,021.98	11,784.00	7,273.79	202.26	157.28	97.41	-984.05	5,047.32	2,987.42	2,720.03	267.39	11.173		
14,000.00	7,023.01	11,784.00	7,273.79	205.07	157.28	97.41	-984.05	5,047.32	3,057.01	2,793.14	263.87	11.585		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,024.04	11,784.00	7,273.79	207.89	157.28	97.41	-984.05	5,047.32	3,128.25	2,867.86	260.39	12.014		
14,200.00	7,025.07	11,784.00	7,273.79	210.70	157.28	97.41	-984.05	5,047.32	3,201.03	2,944.07	256.96	12.457		
14,300.00	7,026.10	11,784.00	7,273.79	213.52	157.28	97.41	-984.05	5,047.32	3,275.25	3,021.66	253.59	12.916		
14,400.00	7,027.13	11,784.00	7,273.79	216.34	157.28	97.41	-984.05	5,047.32	3,350.81	3,100.53	250.28	13.388		
14,500.00	7,028.16	11,784.00	7,273.79	219.16	157.28	97.41	-984.05	5,047.32	3,427.62	3,180.59	247.04	13.875		
14,600.00	7,029.19	11,784.00	7,273.79	221.98	157.28	97.41	-984.05	5,047.32	3,505.60	3,261.73	243.87	14.375		
14,700.00	7,030.22	11,784.00	7,273.79	224.80	157.28	97.41	-984.05	5,047.32	3,584.68	3,343.90	240.78	14.888		
14,800.00	7,031.26	11,784.00	7,273.79	227.62	157.28	97.41	-984.05	5,047.32	3,664.77	3,427.00	237.77	15.413		
14,900.00	7,032.29	11,784.00	7,273.79	230.44	157.28	97.41	-984.05	5,047.32	3,745.83	3,510.98	234.84	15.950		
15,000.00	7,033.32	11,784.00	7,273.79	233.26	157.28	97.41	-984.05	5,047.32	3,827.78	3,595.78	232.00	16.499		
15,100.00	7,034.35	11,784.00	7,273.79	236.09	157.28	97.41	-984.05	5,047.32	3,910.56	3,681.33	229.23	17.060		
15,200.00	7,035.38	11,784.00	7,273.79	238.91	157.28	97.41	-984.05	5,047.32	3,994.14	3,767.60	226.55	17.631		
15,300.00	7,036.41	11,784.00	7,273.79	241.74	157.28	97.41	-984.05	5,047.32	4,078.46	3,854.52	223.94	18.212		
15,400.00	7,037.44	11,784.00	7,273.79	244.56	157.28	97.41	-984.05	5,047.32	4,163.47	3,942.05	221.42	18.804		
15,500.00	7,038.47	11,784.00	7,273.79	247.39	157.28	97.41	-984.05	5,047.32	4,249.13	4,030.16	218.97	19.405		
15,600.00	7,039.50	11,784.00	7,273.79	250.21	157.28	97.41	-984.05	5,047.32	4,335.41	4,118.81	216.60	20.016		
15,700.00	7,040.53	11,784.00	7,273.79	253.04	157.28	97.41	-984.05	5,047.32	4,422.27	4,207.97	214.30	20.636		
15,800.00	7,041.57	11,784.00	7,273.79	255.87	157.28	97.41	-984.05	5,047.32	4,509.67	4,297.59	212.08	21.264		
15,900.00	7,042.60	11,784.00	7,273.79	258.70	157.28	97.41	-984.05	5,047.32	4,597.58	4,387.66	209.92	21.901		
16,000.00	7,043.63	11,784.00	7,273.79	261.53	157.28	97.41	-984.05	5,047.32	4,685.98	4,478.15	207.83	22.547		
16,100.00	7,044.66	11,784.00	7,273.79	264.35	157.28	97.41	-984.05	5,047.32	4,774.84	4,569.03	205.81	23.200		
16,200.00	7,045.69	11,784.00	7,273.79	267.18	157.28	97.41	-984.05	5,047.32	4,864.13	4,660.27	203.85	23.861		
16,300.00	7,046.72	11,784.00	7,273.79	270.01	157.28	97.41	-984.05	5,047.32	4,953.83	4,751.87	201.96	24.529		
16,400.00	7,047.75	11,784.00	7,273.79	272.84	157.28	97.41	-984.05	5,047.32	5,043.91	4,843.79	200.12	25.204		
16,500.00	7,048.78	11,784.00	7,273.79	275.67	157.28	97.41	-984.05	5,047.32	5,134.36	4,936.02	198.34	25.886		
16,600.00	7,049.81	11,784.00	7,273.79	278.51	157.28	97.41	-984.05	5,047.32	5,225.17	5,028.54	196.62	26.575		
16,700.00	7,050.84	11,784.00	7,273.79	281.34	157.28	97.41	-984.05	5,047.32	5,316.30	5,121.34	194.95	27.270		
16,800.00	7,051.88	11,784.00	7,273.79	284.17	157.28	97.41	-984.05	5,047.32	5,407.74	5,214.41	193.34	27.971		
16,900.00	7,052.91	11,784.00	7,273.79	287.00	157.28	97.41	-984.05	5,047.32	5,499.48	5,307.72	191.77	28.678		
17,000.00	7,053.94	11,784.00	7,273.79	289.83	157.28	97.41	-984.05	5,047.32	5,591.51	5,401.26	190.25	29.390		
17,100.00	7,054.97	11,784.00	7,273.79	292.67	157.28	97.41	-984.05	5,047.32	5,683.80	5,495.03	188.78	30.108		
17,200.00	7,056.00	11,784.00	7,273.79	295.50	157.28	97.41	-984.05	5,047.32	5,776.36	5,589.00	187.35	30.832		
17,300.00	7,057.03	11,784.00	7,273.79	298.33	157.28	97.41	-984.05	5,047.32	5,869.15	5,683.18	185.97	31.560		
17,400.00	7,058.06	11,784.00	7,273.79	301.17	157.28	97.41	-984.05	5,047.32	5,962.18	5,777.56	184.62	32.293		
17,500.00	7,059.09	11,784.00	7,273.79	304.00	157.28	97.41	-984.05	5,047.32	6,055.43	5,872.11	183.32	33.031		
17,600.00	7,060.12	11,784.00	7,273.79	306.84	157.28	97.41	-984.05	5,047.32	6,148.89	5,966.83	182.06	33.774		
17,685.09	7,061.00	11,784.00	7,273.79	309.25	157.28	97.41	-984.05	5,047.32	6,228.58	6,047.56	181.02	34.409		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	100.73	-95.44	503.58	512.59					
100.00	100.00	96.62	96.61	3.28	3.30	100.77	-95.61	502.85	511.87	505.28	6.58	77.762		
200.00	200.00	196.74	196.74	3.34	3.37	100.83	-96.06	502.13	511.25	504.54	6.71	76.216		
300.00	299.98	299.71	299.69	3.45	3.50	103.98	-96.23	501.06	510.68	503.73	6.95	73.502		
400.00	399.84	405.50	405.47	3.61	3.69	104.64	-96.25	499.07	510.13	502.83	7.30	69.912		
446.06	445.76	450.14	450.10	3.70	3.79	105.03	-96.08	497.98	509.92	502.44	7.48	68.189 CC, ES		
500.00	499.45	500.78	500.72	3.82	3.90	105.56	-96.05	496.99	510.24	502.53	7.71	66.203		
600.00	598.70	594.50	594.43	4.07	4.14	106.81	-96.38	495.88	512.58	504.39	8.19	62.610		
680.00	677.76	672.44	672.37	4.29	4.35	108.11	-97.18	495.36	515.98	507.36	8.62	59.833		
700.00	697.48	691.99	691.92	4.35	4.41	108.50	-97.51	495.21	516.98	508.25	8.74	59.159		
800.00	796.08	794.20	794.09	4.66	4.72	110.56	-99.84	493.88	522.03	512.67	9.36	55.775		
900.00	894.68	888.16	888.02	4.98	5.02	112.39	-101.74	492.73	527.70	517.70	10.00	52.781		
1,000.00	993.28	982.88	982.73	5.34	5.33	114.04	-102.57	492.73	534.66	524.00	10.66	50.148		
1,100.00	1,091.88	1,079.37	1,079.23	5.71	5.65	115.57	-102.69	493.57	542.61	531.26	11.35	47.818		
1,200.00	1,190.48	1,174.05	1,173.89	6.10	5.97	117.00	-102.63	495.04	551.48	539.43	12.05	45.776		
1,300.00	1,289.07	1,276.88	1,276.71	6.49	6.33	118.46	-102.33	496.76	560.73	547.93	12.80	43.805		
1,400.00	1,387.67	1,378.93	1,378.74	6.90	6.69	119.84	-101.36	497.95	569.56	555.99	13.57	41.976		
1,500.00	1,486.27	1,482.53	1,482.33	7.31	7.07	121.17	-99.97	498.61	578.05	563.69	14.36	40.252		
1,600.00	1,584.87	1,581.61	1,581.40	7.73	7.45	122.40	-98.27	498.89	586.33	571.18	15.15	38.707		
1,700.00	1,683.47	1,682.51	1,682.28	8.16	7.83	123.62	-96.43	499.05	594.71	578.76	15.95	37.275		
1,800.00	1,782.07	1,782.78	1,782.53	8.59	8.22	124.80	-94.52	498.89	603.04	586.27	16.77	35.961		
1,900.00	1,880.67	1,881.16	1,880.90	9.02	8.61	125.92	-92.63	498.76	611.62	594.04	17.58	34.783		
2,000.00	1,979.27	1,996.20	1,995.90	9.46	9.07	127.17	-89.73	498.12	619.86	601.37	18.48	33.539		
2,100.00	2,077.87	2,135.13	2,134.38	9.90	9.63	128.53	-80.93	491.81	622.66	603.20	19.46	32.000		
2,200.00	2,176.47	2,243.83	2,242.39	10.35	10.08	129.87	-74.21	481.73	622.03	601.71	20.32	30.606		
2,257.84	2,233.51	2,295.80	2,294.01	10.60	10.30	130.62	-71.85	476.17	621.74	600.94	20.80	29.892		
2,300.00	2,275.07	2,333.76	2,331.74	10.79	10.46	131.17	-70.30	472.32	621.89	600.75	21.15	29.410		
2,400.00	2,373.67	2,427.23	2,424.73	11.24	10.86	132.48	-66.63	463.57	623.27	601.29	21.98	28.356		
2,500.00	2,472.27	2,520.54	2,517.65	11.69	11.26	133.71	-62.93	455.91	625.85	603.04	22.82	27.431		
2,600.00	2,570.87	2,623.09	2,619.79	12.14	11.71	135.04	-58.87	447.76	628.97	605.28	23.69	26.554		
2,700.00	2,669.47	2,719.75	2,716.06	12.59	12.13	136.32	-55.32	439.76	632.36	607.82	24.54	25.768		
2,800.00	2,768.07	2,837.22	2,832.83	13.04	12.65	137.86	-49.48	428.47	634.14	608.67	25.47	24.901		
2,900.00	2,866.67	2,933.65	2,928.63	13.50	13.08	139.13	-44.41	418.73	635.79	609.46	26.33	24.147		
3,000.00	2,965.27	3,035.54	3,029.84	13.95	13.54	140.33	-37.58	409.14	637.19	609.98	27.21	23.416		
3,100.00	3,063.87	3,128.26	3,122.01	14.41	13.96	141.40	-31.70	400.97	639.53	611.46	28.07	22.785		
3,200.00	3,162.47	3,225.84	3,219.06	14.87	14.40	142.54	-26.17	392.55	642.74	613.80	28.94	22.209		
3,300.00	3,261.07	3,324.88	3,317.61	15.32	14.85	143.55	-19.56	385.09	646.16	616.34	29.82	21.669		
3,400.00	3,359.67	3,421.29	3,413.57	15.78	15.29	144.48	-13.04	378.47	650.11	619.42	30.69	21.184		
3,500.00	3,458.27	3,517.75	3,509.62	16.24	15.73	145.41	-6.83	372.07	654.66	623.10	31.56	20.744		
3,600.00	3,556.87	3,615.19	3,606.68	16.70	16.17	146.32	-0.86	365.92	659.82	627.38	32.43	20.343		
3,700.00	3,655.47	3,714.59	3,705.69	17.16	16.62	147.23	5.23	359.76	665.22	631.90	33.32	19.965		
3,800.00	3,754.06	3,783.90	3,774.86	17.62	16.92	147.91	7.42	356.09	673.50	639.46	34.04	19.786		
3,900.00	3,852.66	3,885.72	3,876.54	18.08	17.37	148.93	9.27	350.99	683.45	648.51	34.94	19.561		
4,000.00	3,951.26	3,979.79	3,970.47	18.54	17.78	149.84	11.25	346.26	693.37	657.58	35.79	19.374		
4,100.00	4,049.86	4,059.64	4,050.29	19.01	18.12	150.40	12.80	345.11	705.48	668.96	36.52	19.319		
4,200.00	4,148.46	4,138.06	4,128.70	19.47	18.44	150.89	12.75	345.56	720.42	683.22	37.19	19.369		
4,300.00	4,247.06	4,239.86	4,230.49	19.93	18.84	151.56	11.19	346.15	736.69	698.61	38.07	19.350		
4,400.00	4,345.66	4,332.90	4,323.51	20.39	19.21	152.19	9.48	346.34	753.10	714.24	38.87	19.375		
4,500.00	4,444.26	4,439.10	4,429.69	20.86	19.63	152.74	8.58	347.97	769.43	729.64	39.79	19.338		
4,600.00	4,542.86	4,543.55	4,534.12	21.32	20.05	153.16	9.06	350.38	785.06	744.37	40.69	19.293		
4,700.00	4,641.46	4,654.29	4,644.83	21.78	20.50	153.59	10.89	352.13	799.33	757.68	41.65	19.191		
4,800.00	4,740.06	4,757.82	4,748.32	22.25	20.94	153.98	13.37	353.16	812.73	770.18	42.55	19.099		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,838.66	4,854.33	4,844.80	22.71	21.34	154.36	15.83	353.81	825.88	782.48	43.40	19.027		
5,000.00	4,937.26	4,944.68	4,935.13	23.18	21.72	154.73	17.19	354.27	839.89	795.69	44.20	19.000		
5,100.00	5,035.86	5,041.70	5,032.15	23.64	22.13	155.26	17.00	353.44	854.82	809.76	45.06	18.971		
5,200.00	5,134.46	5,146.75	5,137.18	24.11	22.57	155.85	17.08	351.68	869.22	823.23	45.99	18.901		
5,300.00	5,233.06	5,248.32	5,238.73	24.57	23.01	156.40	17.59	349.75	883.21	836.32	46.89	18.836		
5,400.00	5,331.66	5,350.20	5,340.59	25.04	23.44	156.94	18.34	347.60	896.98	849.19	47.79	18.767		
5,500.00	5,430.26	5,434.02	5,424.39	25.50	23.80	157.36	18.82	346.12	911.17	862.62	48.54	18.770		
5,600.00	5,528.86	5,524.19	5,514.55	25.97	24.18	157.80	17.65	345.20	927.32	877.98	49.34	18.796		
5,700.00	5,627.46	5,629.66	5,620.01	26.43	24.61	158.28	16.75	344.34	943.25	892.98	50.27	18.765		
5,800.00	5,726.06	5,738.47	5,728.82	26.90	25.08	158.75	16.80	343.25	958.36	907.13	51.23	18.707		
5,900.00	5,824.66	5,827.32	5,817.66	27.36	25.45	159.10	17.19	342.54	973.24	921.23	52.02	18.710		
6,000.00	5,923.26	5,930.98	5,921.32	27.83	25.88	159.43	17.36	343.06	988.93	936.01	52.92	18.686		
6,100.00	6,021.86	6,043.12	6,033.45	28.30	26.35	159.77	18.86	343.17	1,003.41	949.50	53.90	18.615		
6,200.00	6,120.46	6,126.47	6,116.79	28.76	26.70	160.01	19.89	343.24	1,018.00	963.36	54.65	18.629		
6,300.00	6,219.06	6,243.21	6,233.52	29.23	27.20	160.36	21.17	343.31	1,032.77	977.11	55.67	18.553		
6,405.66	6,323.24	6,308.08	6,298.32	29.72	27.46	160.40	22.13	345.95	1,049.44	993.20	56.24	18.661		
6,450.00	6,366.93	6,329.00	6,319.16	29.93	27.55	137.09	22.36	347.74	1,056.95	1,000.56	56.38	18.745		
6,500.00	6,415.96	6,359.13	6,349.02	30.15	27.66	117.05	22.60	351.66	1,064.96	1,008.37	56.59	18.818		
6,550.00	6,464.44	6,383.30	6,372.75	30.37	27.75	104.09	22.69	356.24	1,072.66	1,015.95	56.71	18.916		
6,600.00	6,512.08	6,424.00	6,412.05	30.58	27.90	95.78	22.62	366.78	1,080.22	1,023.21	57.01	18.948		
6,650.00	6,558.58	6,436.97	6,424.40	30.78	27.95	90.09	22.56	370.75	1,086.81	1,029.87	56.94	19.088		
6,700.00	6,603.65	6,478.15	6,463.42	30.97	28.09	86.29	22.39	383.90	1,092.61	1,035.37	57.24	19.088		
6,750.00	6,647.02	6,519.19	6,502.01	31.15	28.24	83.70	22.25	397.85	1,097.21	1,039.65	57.56	19.063		
6,800.00	6,688.42	6,560.49	6,540.25	31.31	28.39	81.92	22.43	413.45	1,100.61	1,042.72	57.89	19.011		
6,850.00	6,727.59	6,602.33	6,577.98	31.46	28.54	80.72	23.23	431.52	1,102.83	1,044.57	58.26	18.930		
6,900.00	6,764.29	6,632.55	6,604.59	31.60	28.65	79.83	24.02	445.81	1,104.04	1,045.55	58.49	18.877		
6,950.00	6,798.30	6,657.80	6,626.64	31.73	28.75	79.24	24.26	458.10	1,104.80	1,046.12	58.68	18.827		
7,000.00	6,829.41	6,682.48	6,648.05	31.84	28.85	78.93	24.08	470.38	1,105.20	1,046.28	58.92	18.759		
7,050.00	6,857.42	6,709.00	6,670.88	32.03	28.96	78.91	23.44	483.87	1,105.33	1,046.09	59.24	18.658		
7,100.00	6,882.16	6,733.43	6,691.56	32.36	29.07	79.05	22.59	496.82	1,105.20	1,045.58	59.62	18.538		
7,150.00	6,903.48	6,760.86	6,714.17	32.73	29.20	79.42	21.54	512.32	1,104.82	1,044.70	60.12	18.376		
7,200.00	6,921.25	6,788.47	6,736.21	33.15	29.33	79.94	20.38	528.90	1,104.23	1,043.52	60.71	18.189		
7,250.00	6,935.36	6,819.24	6,759.94	33.61	29.49	80.69	18.99	548.45	1,103.48	1,042.04	61.44	17.960		
7,300.00	6,945.72	6,853.71	6,785.74	34.11	29.68	81.68	17.45	571.25	1,102.48	1,040.16	62.33	17.689		
7,350.00	6,952.26	6,887.98	6,810.60	34.65	29.88	82.81	15.94	594.80	1,101.30	1,038.03	63.27	17.406		
7,403.14	6,955.00	6,934.97	6,843.09	35.26	30.20	84.51	14.15	628.67	1,099.87	1,035.33	64.53	17.043		
7,500.00	6,955.99	7,025.51	6,898.55	36.49	30.91	87.36	12.85	700.13	1,097.74	1,030.76	66.98	16.389		
7,529.61	6,956.30	7,049.05	6,911.31	36.92	31.13	88.02	12.70	719.91	1,097.61	1,029.90	67.71	16.210		
7,600.00	6,957.03	7,111.56	6,941.68	37.93	31.75	89.57	12.33	774.52	1,098.19	1,028.65	69.54	15.793		
7,700.00	6,958.06	7,210.49	6,979.40	39.52	32.95	91.49	12.36	865.90	1,099.88	1,027.38	72.50	15.170		
7,800.00	6,959.09	7,312.49	7,008.73	41.25	34.44	92.96	12.08	963.56	1,102.62	1,026.82	75.80	14.547		
7,900.00	6,960.12	7,433.95	7,033.82	43.09	36.50	94.20	13.92	1,082.33	1,103.59	1,023.82	79.77	13.835		
8,000.00	6,961.15	7,551.00	7,046.41	45.04	38.73	94.80	17.82	1,198.60	1,102.17	1,018.20	83.97	13.125		
8,009.69	6,961.25	7,551.00	7,046.41	45.24	38.73	94.80	17.82	1,198.60	1,102.13	1,017.97	84.15	13.097		
8,100.00	6,962.18	7,616.01	7,050.69	47.08	40.09	94.98	17.90	1,263.47	1,103.52	1,016.24	87.28	12.643		
8,200.00	6,963.21	7,753.49	7,052.55	49.20	43.14	95.00	18.15	1,400.91	1,104.93	1,012.42	92.51	11.944		
8,300.00	6,964.24	7,869.26	7,052.16	51.39	45.90	94.92	21.89	1,516.62	1,102.89	1,005.43	97.47	11.316		
8,400.00	6,965.27	7,969.60	7,052.39	53.64	48.41	94.89	25.82	1,616.89	1,100.26	998.05	102.21	10.764		
8,500.00	6,966.30	8,058.89	7,053.54	55.95	50.73	94.91	29.05	1,706.11	1,098.04	991.23	106.81	10.281		
8,588.89	6,967.22	8,130.45	7,055.60	58.04	52.63	94.99	30.70	1,777.62	1,097.33	986.58	110.75	9.908		
8,600.00	6,967.33	8,139.39	7,055.92	58.30	52.87	95.00	30.83	1,786.55	1,097.34	986.10	111.25	9.864		
8,700.00	6,968.37	8,221.01	7,058.85	60.70	55.10	95.10	31.21	1,868.12	1,098.43	982.65	115.79	9.487		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	6,969.40	8,329.12	7,063.83	63.14	58.12	95.30	31.60	1,976.11	1,099.72	978.48	121.24	9.071		
8,900.00	6,970.43	8,416.26	7,068.48	65.60	60.60	95.49	31.50	2,063.13	1,101.56	975.46	126.10	8.736		
9,000.00	6,971.46	8,529.69	7,073.35	68.10	63.89	95.67	31.62	2,176.45	1,103.09	971.19	131.89	8.364		
9,100.00	6,972.49	8,632.15	7,077.73	70.63	66.90	95.84	32.21	2,278.81	1,104.19	966.80	137.39	8.037		
9,200.00	6,973.52	8,738.15	7,081.66	73.18	70.04	95.99	33.37	2,384.73	1,104.70	961.64	143.06	7.722		
9,300.00	6,974.55	8,848.66	7,084.37	75.75	73.36	96.07	34.97	2,495.19	1,104.77	955.84	148.92	7.418		
9,400.00	6,975.58	8,942.39	7,085.61	78.34	76.19	96.08	36.89	2,588.90	1,104.12	949.82	154.30	7.156		
9,402.80	6,975.61	8,944.74	7,085.65	78.41	76.26	96.09	36.92	2,591.25	1,104.12	949.68	154.44	7.149		
9,500.00	6,976.61	9,031.21	7,087.56	80.94	78.90	96.14	37.68	2,677.70	1,104.68	945.14	159.54	6.924		
9,600.00	6,977.64	9,120.27	7,090.94	83.56	81.64	96.26	37.90	2,766.69	1,106.08	941.28	164.80	6.712		
9,700.00	6,978.68	9,211.81	7,095.27	86.20	84.47	96.42	37.21	2,858.12	1,108.56	938.41	170.15	6.515		
9,800.00	6,979.71	9,309.70	7,098.74	88.85	87.51	96.53	36.03	2,955.94	1,111.38	935.61	175.77	6.323		
9,900.00	6,980.74	9,412.31	7,100.74	91.51	90.71	96.56	34.52	3,058.53	1,114.29	932.67	181.61	6.135		
10,000.00	6,981.77	9,570.98	7,100.86	94.19	95.68	96.48	35.81	3,217.16	1,114.92	925.53	189.39	5.887		
10,100.00	6,982.80	9,682.95	7,102.84	96.87	99.20	96.55	41.39	3,328.97	1,111.34	915.83	195.51	5.684		
10,200.00	6,983.83	9,767.21	7,106.57	99.56	101.86	96.71	45.49	3,413.04	1,108.26	907.45	200.81	5.519		
10,300.00	6,984.86	9,844.66	7,109.83	102.27	104.31	96.85	47.73	3,490.39	1,107.08	901.20	205.87	5.377		
10,313.12	6,985.00	9,855.58	7,110.28	102.62	104.66	96.86	47.93	3,501.30	1,107.06	900.50	206.56	5.360		
10,400.00	6,985.89	9,927.86	7,113.68	104.98	106.95	97.00	48.74	3,573.49	1,107.64	896.56	211.08	5.247		
10,500.00	6,986.92	9,997.17	7,117.26	107.69	109.17	97.14	48.14	3,642.70	1,110.34	894.65	215.70	5.148		
10,600.00	6,987.95	10,092.29	7,121.46	110.41	112.21	97.27	45.26	3,737.68	1,115.09	893.77	221.32	5.038		
10,700.00	6,988.99	10,193.19	7,123.77	113.14	115.44	97.31	42.32	3,838.51	1,119.47	892.23	227.24	4.926		
10,800.00	6,990.02	10,299.37	7,124.14	115.88	118.85	97.24	39.13	3,944.64	1,123.70	890.27	233.43	4.814		
10,900.00	6,991.05	10,427.72	7,120.29	118.62	122.98	96.96	37.08	4,072.91	1,126.07	885.51	240.56	4.681		
11,000.00	6,992.08	10,539.31	7,115.29	121.37	126.56	96.64	36.53	4,184.38	1,127.28	880.26	247.02	4.563		
11,100.00	6,993.11	10,672.04	7,109.85	124.12	130.83	96.30	39.05	4,316.98	1,126.13	872.01	254.13	4.431		
11,200.00	6,994.14	10,752.82	7,108.53	126.87	133.44	96.19	41.47	4,397.70	1,124.25	864.74	259.51	4.332		
11,300.00	6,995.17	10,848.31	7,109.75	129.63	136.53	96.21	43.09	4,493.17	1,123.92	858.60	265.32	4.236		
11,400.00	6,996.20	10,947.75	7,109.70	132.39	139.75	96.16	44.77	4,592.59	1,123.46	852.17	271.29	4.141		
11,500.00	6,997.23	11,047.54	7,108.47	135.16	142.98	96.04	46.22	4,692.36	1,123.11	845.81	277.30	4.050		
11,600.00	6,998.26	11,182.84	7,104.37	137.93	147.36	95.78	50.78	4,827.51	1,120.49	836.05	284.44	3.939		
11,700.00	6,999.30	11,259.38	7,103.08	140.70	149.84	95.68	53.47	4,903.99	1,118.05	828.28	289.78	3.858		
11,769.38	7,000.01	11,313.16	7,102.86	142.63	151.59	95.64	54.49	4,957.76	1,117.57	824.13	293.44	3.809		
11,800.00	7,000.33	11,336.90	7,102.97	143.48	152.36	95.63	54.73	4,981.50	1,117.66	822.64	295.03	3.788		
11,900.00	7,001.36	11,456.43	7,103.66	146.26	156.25	95.61	56.42	5,101.00	1,117.58	815.86	301.72	3.704		
11,926.14	7,001.63	11,469.93	7,103.70	146.99	156.69	95.60	56.54	5,114.51	1,117.56	814.69	302.87	3.690		
12,000.00	7,002.39	11,527.39	7,103.77	149.04	158.56	95.57	56.84	5,171.97	1,118.10	811.38	306.71	3.645		
12,100.00	7,003.42	11,621.78	7,103.25	151.82	161.64	95.49	56.29	5,266.35	1,119.86	807.31	312.55	3.583		
12,200.00	7,004.45	11,734.93	7,101.15	154.61	165.34	95.31	55.86	5,379.48	1,121.32	802.17	319.15	3.513		
12,300.00	7,005.48	11,855.57	7,100.62	157.40	169.28	95.22	57.47	5,500.11	1,121.18	795.25	325.94	3.440		
12,400.00	7,006.51	11,961.99	7,099.90	160.19	172.75	95.14	60.42	5,606.49	1,119.59	787.39	332.21	3.370		
12,483.32	7,007.37	12,027.25	7,100.38	162.52	174.89	95.13	62.08	5,671.71	1,118.65	782.00	336.64	3.323		
12,500.00	7,007.54	12,037.38	7,100.54	162.98	175.22	95.13	62.20	5,681.84	1,118.70	781.28	337.42	3.315		
12,600.00	7,008.57	12,099.11	7,102.14	165.78	177.24	95.18	61.65	5,743.55	1,121.04	779.20	341.84	3.279		
12,700.00	7,009.61	12,190.43	7,102.91	168.58	180.23	95.15	58.83	5,834.82	1,125.43	777.94	347.49	3.239		
12,800.00	7,010.64	12,298.19	7,099.38	171.38	183.77	94.89	54.92	5,942.43	1,130.02	776.00	354.02	3.192		
12,900.00	7,011.67	12,418.20	7,096.03	174.18	187.70	94.64	52.90	6,062.38	1,132.62	771.55	361.07	3.137		
13,000.00	7,012.70	12,517.32	7,095.43	176.98	190.96	94.55	51.55	6,161.48	1,135.19	768.05	367.14	3.092		
13,100.00	7,013.73	12,619.28	7,095.75	179.78	194.31	94.50	50.66	6,263.44	1,137.34	764.04	373.31	3.047		
13,200.00	7,014.76	12,739.83	7,093.59	182.59	198.27	94.32	50.00	6,383.96	1,139.08	758.83	380.25	2.996		
13,300.00	7,015.79	12,861.80	7,090.75	185.39	202.27	94.12	52.38	6,505.87	1,138.16	751.04	387.12	2.940		
13,400.00	7,016.82	12,948.10	7,088.89	188.20	205.10	93.98	53.98	6,592.14	1,137.41	744.60	392.81	2.896		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,500.00	7,017.85	13,067.30	7,086.16	191.01	209.02	93.79	56.81	6,711.28	1,136.14	736.59	399.55	2.844		
13,600.00	7,018.88	13,166.85	7,085.37	193.82	212.28	93.70	60.22	6,810.75	1,133.93	728.29	405.64	2.795		
13,700.00	7,019.91	13,266.71	7,087.15	196.63	215.36	93.75	62.97	6,904.55	1,132.41	720.87	411.53	2.752		
13,800.00	7,020.95	13,365.45	7,087.91	199.44	218.81	93.74	65.97	7,009.25	1,130.87	713.11	417.76	2.707		
13,900.00	7,021.98	13,466.21	7,087.11	202.26	222.12	93.65	69.20	7,109.96	1,128.89	704.99	423.90	2.663		
14,000.00	7,023.01	13,551.90	7,086.27	205.07	224.93	93.57	71.49	7,195.61	1,127.46	697.88	429.58	2.625		
14,033.90	7,023.36	13,578.83	7,086.19	206.03	225.82	93.55	71.92	7,222.54	1,127.36	695.94	431.42	2.613		
14,100.00	7,024.04	13,644.66	7,086.12	207.89	227.99	93.51	72.61	7,288.37	1,127.50	692.05	435.45	2.589		
14,156.34	7,024.62	13,706.75	7,085.51	209.47	230.03	93.45	73.52	7,350.45	1,127.37	688.27	439.11	2.567		
14,200.00	7,025.07	13,730.30	7,085.38	210.70	230.81	93.43	73.57	7,373.99	1,127.70	686.66	441.03	2.557		
14,300.00	7,026.10	13,801.34	7,085.52	213.52	233.15	93.39	72.50	7,445.02	1,130.43	684.59	445.84	2.536		
14,400.00	7,027.13	13,896.71	7,084.21	216.34	236.30	93.27	69.66	7,540.33	1,134.60	682.85	451.75	2.512		
14,500.00	7,028.16	14,010.90	7,084.62	219.16	240.07	93.22	67.04	7,654.49	1,138.19	679.60	458.59	2.482		
14,600.00	7,029.19	14,113.89	7,084.72	221.98	243.48	93.16	65.58	7,757.47	1,140.89	676.03	464.86	2.454		
14,700.00	7,030.22	14,219.54	7,082.62	224.80	246.96	92.99	63.89	7,863.08	1,143.69	672.41	471.28	2.427		
14,800.00	7,031.26	14,335.34	7,081.23	227.62	250.79	92.86	63.58	7,978.87	1,145.17	667.08	478.09	2.395		
14,900.00	7,032.29	14,441.11	7,079.18	230.44	254.28	92.70	64.25	8,084.62	1,145.74	661.27	484.46	2.365		
15,000.00	7,033.32	14,546.77	7,079.70	233.26	257.77	92.67	65.49	8,190.25	1,145.88	655.09	490.79	2.335		
15,100.00	7,034.35	14,654.03	7,082.74	236.09	261.31	92.77	67.49	8,297.46	1,145.45	648.32	497.12	2.304		
15,200.00	7,035.38	14,755.66	7,084.40	238.91	264.66	92.80	69.63	8,399.05	1,144.72	641.44	503.28	2.275		
15,300.00	7,036.41	14,862.76	7,084.22	241.74	268.19	92.74	72.40	8,506.11	1,143.41	633.78	509.63	2.244		
15,400.00	7,037.44	14,961.07	7,084.68	244.56	271.43	92.71	75.13	8,604.38	1,141.96	626.25	515.70	2.214		
15,500.00	7,038.47	15,053.18	7,084.13	247.39	274.47	92.64	77.38	8,696.46	1,140.80	619.19	521.60	2.187		
15,545.76	7,038.94	15,091.28	7,084.11	248.68	275.73	92.62	78.00	8,734.56	1,140.64	616.49	524.15	2.176		
15,600.00	7,039.50	15,139.02	7,084.49	250.21	277.31	92.62	78.46	8,782.29	1,140.83	613.59	527.24	2.164		
15,700.00	7,040.53	15,236.68	7,084.38	253.04	280.54	92.56	78.97	8,879.95	1,141.60	608.31	533.30	2.141		
15,800.00	7,041.57	15,341.51	7,082.68	255.87	284.00	92.42	79.75	8,984.76	1,142.09	602.44	539.64	2.116		
15,900.00	7,042.60	15,443.06	7,081.43	258.70	287.36	92.30	80.66	9,086.29	1,142.44	596.58	545.86	2.093		
16,000.00	7,043.63	15,539.20	7,079.67	261.53	290.54	92.16	81.68	9,182.42	1,142.63	590.75	551.88	2.070		
16,100.00	7,044.66	15,627.39	7,079.22	264.35	293.46	92.09	81.81	9,270.61	1,143.76	586.20	557.55	2.051		
16,200.00	7,045.69	15,721.65	7,078.12	267.18	296.58	91.99	81.17	9,364.86	1,145.70	582.24	563.46	2.033		
16,300.00	7,046.72	15,821.86	7,078.86	270.01	299.89	91.97	80.42	9,465.06	1,147.77	578.16	569.61	2.015		
16,400.00	7,047.75	15,949.22	7,077.11	272.84	304.11	91.81	80.20	9,592.40	1,149.36	572.50	576.86	1.992		
16,500.00	7,048.78	16,050.06	7,077.48	275.67	307.44	91.78	82.30	9,693.22	1,148.61	565.58	583.03	1.970		
16,548.59	7,049.28	16,094.38	7,078.55	277.05	308.91	91.81	82.99	9,737.52	1,148.52	562.67	585.86	1.960		
16,600.00	7,049.81	16,141.97	7,079.53	278.51	310.48	91.83	83.56	9,785.09	1,148.61	559.74	588.87	1.951		
16,700.00	7,050.84	16,231.34	7,079.96	281.34	313.44	91.81	84.07	9,874.45	1,149.37	554.77	594.60	1.933		
16,800.00	7,051.88	16,346.34	7,079.15	284.17	317.25	91.71	84.49	9,989.44	1,150.34	549.01	601.33	1.913		
16,900.00	7,052.91	16,450.19	7,081.42	287.00	320.69	91.77	86.20	10,093.25	1,150.07	542.49	607.59	1.893		
16,946.65	7,053.39	16,492.50	7,082.06	288.32	322.09	91.78	86.86	10,135.55	1,149.99	539.69	610.30	1.884		
17,000.00	7,053.94	16,541.04	7,082.39	289.83	323.69	91.77	87.40	10,184.09	1,150.10	536.69	613.41	1.875		
17,100.00	7,054.97	16,616.40	7,082.37	292.67	326.19	91.73	87.29	10,259.44	1,151.57	533.06	618.50	1.862		
17,200.00	7,056.00	16,697.84	7,081.94	295.50	328.89	91.66	85.52	10,340.86	1,155.01	531.33	623.68	1.852		
17,300.00	7,057.03	16,769.00	7,081.21	298.33	331.25	91.58	83.31	10,411.98	1,159.70	531.69	628.01	1.847 SF		
17,400.00	7,058.06	16,769.00	7,081.21	301.17	331.25	91.58	83.31	10,411.98	1,170.60	545.72	624.88	1.873		
17,500.00	7,059.09	16,769.00	7,081.21	304.00	331.25	91.58	83.31	10,411.98	1,189.84	572.32	617.51	1.927		
17,600.00	7,060.12	16,769.00	7,081.21	306.84	331.25	91.58	83.31	10,411.98	1,217.01	610.55	606.46	2.007		
17,685.09	7,061.00	16,769.00	7,081.21	309.25	331.25	91.58	83.31	10,411.98	1,246.00	651.33	594.67	2.095		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-82.53	122.43	-934.22	4,881.79					
100.00	100.00	0.00	0.00	3.28	0.00	-82.53	122.43	-934.22	4,783.71	4,776.80	6.91	692.251		
200.00	200.00	0.00	0.00	3.34	0.00	-82.53	122.43	-934.22	4,685.71	4,678.92	6.79	690.504		
300.00	299.98	0.00	0.00	3.45	0.00	-89.32	122.43	-934.22	4,587.75	4,581.08	6.66	688.378		
400.00	399.84	0.00	0.00	3.61	0.00	-98.84	122.43	-934.22	4,489.87	4,483.33	6.55	685.910		
500.00	499.45	0.00	0.00	3.82	0.00	-107.68	122.43	-934.22	4,392.21	4,385.78	6.43	683.187		
600.00	598.70	0.00	0.00	4.07	0.00	-115.55	122.43	-934.22	4,294.89	4,288.57	6.31	680.162		
680.00	677.76	0.00	0.00	4.29	0.00	-121.06	122.43	-934.22	4,217.38	4,211.16	6.22	677.521		
700.00	697.48	0.00	0.00	4.35	0.00	-121.06	122.43	-934.22	4,198.05	4,191.85	6.20	676.919		
800.00	796.08	0.00	0.00	4.66	0.00	-121.06	122.43	-934.22	4,101.51	4,095.41	6.10	672.366		
900.00	894.68	0.00	0.00	4.98	0.00	-121.06	122.43	-934.22	4,005.14	3,999.14	6.00	667.035		
1,000.00	993.28	0.00	0.00	5.34	0.00	-121.06	122.43	-934.22	3,908.95	3,903.04	5.92	660.819		
1,100.00	1,091.88	0.00	0.00	5.71	0.00	-121.06	122.43	-934.22	3,812.96	3,807.13	5.83	653.603		
1,200.00	1,190.48	0.00	0.00	6.10	0.00	-121.06	122.43	-934.22	3,717.18	3,711.42	5.76	645.261		
1,300.00	1,289.07	0.00	0.00	6.49	0.00	-121.06	122.43	-934.22	3,621.62	3,615.93	5.70	635.660		
1,400.00	1,387.67	0.00	0.00	6.90	0.00	-121.06	122.43	-934.22	3,526.32	3,520.67	5.65	624.666		
1,500.00	1,486.27	0.00	0.00	7.31	0.00	-121.06	122.43	-934.22	3,431.28	3,425.67	5.61	612.148		
1,600.00	1,584.87	0.00	0.00	7.73	0.00	-121.06	122.43	-934.22	3,336.53	3,330.95	5.58	597.986		
1,700.00	1,683.47	0.00	0.00	8.16	0.00	-121.06	122.43	-934.22	3,242.09	3,236.52	5.57	582.081		
1,800.00	1,782.07	0.00	0.00	8.59	0.00	-121.06	122.43	-934.22	3,148.00	3,142.42	5.58	564.368		
1,900.00	1,880.67	0.00	0.00	9.02	0.00	-121.06	122.43	-934.22	3,054.29	3,048.68	5.61	544.826		
2,000.00	1,979.27	0.00	0.00	9.46	0.00	-121.06	122.43	-934.22	2,960.98	2,955.33	5.66	523.488		
2,100.00	2,077.87	0.00	0.00	9.90	0.00	-121.06	122.43	-934.22	2,868.13	2,862.40	5.73	500.453		
2,200.00	2,176.47	0.00	0.00	10.35	0.00	-121.06	122.43	-934.22	2,775.78	2,769.94	5.83	475.886		
2,300.00	2,275.07	0.00	0.00	10.79	0.00	-121.06	122.43	-934.22	2,683.97	2,678.00	5.96	450.022		
2,400.00	2,373.67	0.00	0.00	11.24	0.00	-121.06	122.43	-934.22	2,592.77	2,586.64	6.13	423.150		
2,500.00	2,472.27	0.00	0.00	11.69	0.00	-121.06	122.43	-934.22	2,502.24	2,495.91	6.33	395.607		
2,600.00	2,570.87	0.00	0.00	12.14	0.00	-121.06	122.43	-934.22	2,412.46	2,405.90	6.56	367.756		
2,700.00	2,669.47	0.00	0.00	12.59	0.00	-121.06	122.43	-934.22	2,323.51	2,316.67	6.83	339.963		
2,800.00	2,768.07	0.00	0.00	13.04	0.00	-121.06	122.43	-934.22	2,235.50	2,228.35	7.15	312.584		
2,900.00	2,866.67	0.00	0.00	13.50	0.00	-121.06	122.43	-934.22	2,148.53	2,141.02	7.51	285.942		
3,000.00	2,965.27	0.00	0.00	13.95	0.00	-121.06	122.43	-934.22	2,062.75	2,054.83	7.92	260.314		
3,100.00	3,063.87	0.00	0.00	14.41	0.00	-121.06	122.43	-934.22	1,978.31	1,969.92	8.39	235.930		
3,200.00	3,162.47	0.00	0.00	14.87	0.00	-121.06	122.43	-934.22	1,895.38	1,886.48	8.90	212.964		
3,300.00	3,261.07	0.00	0.00	15.32	0.00	-121.06	122.43	-934.22	1,814.17	1,804.70	9.47	191.539		
3,400.00	3,359.67	0.00	0.00	15.78	0.00	-121.06	122.43	-934.22	1,734.92	1,724.82	10.10	171.733		
3,500.00	3,458.27	0.00	0.00	16.24	0.00	-121.06	122.43	-934.22	1,657.92	1,647.13	10.80	153.580		
3,600.00	3,556.87	0.00	0.00	16.70	0.00	-121.06	122.43	-934.22	1,583.50	1,571.95	11.55	137.083		
3,700.00	3,655.47	0.00	0.00	17.16	0.00	-121.06	122.43	-934.22	1,512.02	1,499.65	12.37	122.219		
3,800.00	3,754.06	0.00	0.00	17.62	0.00	-121.06	122.43	-934.22	1,443.94	1,430.69	13.25	108.944		
3,900.00	3,852.66	0.00	0.00	18.08	0.00	-121.06	122.43	-934.22	1,379.75	1,365.56	14.19	97.201		
4,000.00	3,951.26	0.00	0.00	18.54	0.00	-121.06	122.43	-934.22	1,320.03	1,304.84	15.19	86.923		
4,100.00	4,049.86	0.00	0.00	19.01	0.00	-121.06	122.43	-934.22	1,265.40	1,249.18	16.21	78.040		
4,200.00	4,148.46	0.00	0.00	19.47	0.00	-121.06	122.43	-934.22	1,216.54	1,199.28	17.26	70.475		
4,300.00	4,247.06	0.00	0.00	19.93	0.00	-121.06	122.43	-934.22	1,174.19	1,155.89	18.30	64.157		
4,400.00	4,345.66	0.00	0.00	20.39	0.00	-121.06	122.43	-934.22	1,139.07	1,119.77	19.30	59.010		
4,500.00	4,444.26	0.00	0.00	20.86	0.00	-121.06	122.43	-934.22	1,111.86	1,091.63	20.23	54.966		
4,600.00	4,542.86	0.00	0.00	21.32	0.00	-121.06	122.43	-934.22	1,093.16	1,072.12	21.04	51.956		
4,700.00	4,641.46	0.00	0.00	21.78	0.00	-121.06	122.43	-934.22	1,083.39	1,061.69	21.70	49.917		
4,756.24	4,696.91	0.00	0.00	22.04	0.00	-121.06	122.43	-934.22	1,081.93	1,059.93	22.00	49.174 CC, ES		
4,800.00	4,740.06	0.00	0.00	22.25	0.00	-121.06	122.43	-934.22	1,082.82	1,060.62	22.19	48.789		
4,900.00	4,838.66	41.46	41.46	22.71	0.10	-121.37	122.30	-934.30	1,090.52	1,067.84	22.68	48.082		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	134.30	134.29	23.18	0.50	-122.07	121.75	-934.96	1,100.31	1,076.78	23.53	46.758		
5,100.00	5,035.86	225.45	225.43	23.64	0.90	-122.73	121.03	-936.13	1,110.85	1,086.47	24.37	45.580		
5,200.00	5,134.46	323.50	323.47	24.11	1.34	-123.43	120.12	-937.76	1,121.94	1,096.69	25.25	44.425		
5,300.00	5,233.06	415.28	415.23	24.57	1.74	-124.08	118.91	-939.31	1,133.45	1,107.35	26.10	43.434		
5,400.00	5,331.66	503.08	502.99	25.04	2.13	-124.74	116.67	-940.79	1,145.87	1,118.96	26.91	42.585		
5,500.00	5,430.26	596.65	596.47	25.50	2.55	-125.47	113.17	-942.34	1,159.19	1,131.43	27.76	41.763		
5,600.00	5,528.86	683.75	683.46	25.97	2.93	-126.18	108.83	-943.47	1,173.24	1,144.68	28.56	41.084		
5,700.00	5,627.46	767.20	766.72	26.43	3.31	-126.89	103.46	-944.74	1,188.58	1,159.25	29.33	40.527		
5,800.00	5,726.06	852.32	851.58	26.90	3.70	-127.63	96.83	-946.33	1,205.30	1,175.19	30.11	40.032		
5,900.00	5,824.66	936.50	935.42	27.36	4.09	-128.35	89.65	-948.36	1,223.15	1,192.27	30.88	39.613		
6,000.00	5,923.26	1,018.83	1,017.36	27.83	4.48	-129.02	82.18	-951.29	1,242.41	1,210.78	31.63	39.282		
6,100.00	6,021.86	1,106.27	1,104.32	28.30	4.90	-129.70	74.02	-955.34	1,262.83	1,230.41	32.42	38.952		
6,200.00	6,120.46	1,203.06	1,200.56	28.76	5.37	-130.41	65.02	-960.29	1,283.76	1,250.47	33.29	38.558		
6,300.00	6,219.06	1,303.64	1,300.62	29.23	5.85	-131.07	56.56	-966.03	1,304.68	1,270.48	34.20	38.146		
6,405.66	6,323.24	1,408.10	1,404.58	29.72	6.35	-131.73	48.30	-971.98	1,326.57	1,291.42	35.14	37.746		
6,450.00	6,366.93	1,441.95	1,438.25	29.93	6.52	-155.26	45.38	-973.85	1,337.04	1,301.59	35.45	37.715 SF		
6,500.00	6,415.96	1,479.58	1,475.66	30.15	6.70	-175.77	41.81	-975.97	1,351.74	1,315.95	35.79	37.770		
6,550.00	6,464.44	1,521.74	1,517.53	30.37	6.91	170.58	37.42	-978.31	1,369.31	1,333.15	36.17	37.860		
6,600.00	6,512.08	1,564.68	1,560.14	30.58	7.12	161.31	32.57	-980.42	1,389.46	1,352.90	36.55	38.011		
6,650.00	6,558.58	1,603.47	1,598.60	30.78	7.32	154.51	27.81	-982.07	1,412.07	1,375.17	36.90	38.264		
6,700.00	6,603.65	1,638.66	1,633.44	30.97	7.50	149.07	22.99	-983.30	1,437.14	1,399.92	37.22	38.611		
6,750.00	6,647.02	1,672.36	1,666.73	31.15	7.67	144.37	17.90	-984.24	1,464.52	1,427.00	37.53	39.026		
6,800.00	6,688.42	1,718.94	1,712.70	31.31	7.91	140.28	10.47	-985.18	1,493.89	1,455.93	37.96	39.351		
6,850.00	6,727.59	1,765.82	1,758.98	31.46	8.16	136.49	3.03	-985.74	1,524.85	1,486.44	38.41	39.704		
6,900.00	6,764.29	1,818.47	1,811.00	31.60	8.42	132.99	-5.15	-985.91	1,557.22	1,518.31	38.91	40.026		
6,950.00	6,798.30	1,869.71	1,861.67	31.73	8.69	129.59	-12.76	-985.57	1,590.78	1,551.39	39.39	40.382		
7,000.00	6,829.41	1,890.08	1,881.82	31.84	8.79	125.38	-15.75	-985.42	1,625.77	1,586.16	39.61	41.043		
7,050.00	6,857.42	1,909.90	1,901.42	32.03	8.89	120.92	-18.69	-985.37	1,662.23	1,622.40	39.83	41.730		
7,100.00	6,882.16	1,927.14	1,918.46	32.36	8.98	116.11	-21.26	-985.39	1,699.97	1,659.93	40.04	42.457		
7,150.00	6,903.48	1,941.73	1,932.89	32.73	9.06	110.91	-23.46	-985.47	1,738.77	1,698.53	40.23	43.218		
7,200.00	6,921.25	1,960.00	1,950.95	33.15	9.15	105.63	-26.24	-985.64	1,778.43	1,737.96	40.47	43.943		
7,250.00	6,935.36	1,963.21	1,954.12	33.61	9.17	99.46	-26.73	-985.67	1,818.70	1,778.12	40.58	44.814		
7,300.00	6,945.72	1,970.58	1,961.40	34.11	9.20	93.38	-27.86	-985.76	1,859.38	1,818.64	40.75	45.634		
7,350.00	6,952.26	1,974.98	1,965.75	34.65	9.23	87.22	-28.53	-985.82	1,900.24	1,859.35	40.89	46.469		
7,403.14	6,955.00	1,976.41	1,967.16	35.26	9.24	80.76	-28.75	-985.84	1,943.60	1,902.57	41.03	47.369		
7,500.00	6,955.99	1,976.02	1,966.77	36.49	9.23	80.74	-28.69	-985.83	2,023.19	1,981.90	41.28	49.009		
7,600.00	6,957.03	1,975.62	1,966.38	37.93	9.23	80.72	-28.63	-985.83	2,106.87	2,065.31	41.56	50.697		
7,700.00	6,958.06	1,975.22	1,965.99	39.52	9.23	80.70	-28.57	-985.82	2,191.92	2,150.08	41.84	52.385		
7,800.00	6,959.09	1,974.84	1,965.61	41.25	9.23	80.68	-28.51	-985.82	2,278.19	2,236.06	42.13	54.074		
7,900.00	6,960.12	1,974.46	1,965.24	43.09	9.22	80.66	-28.45	-985.81	2,365.54	2,323.12	42.42	55.766		
8,000.00	6,961.15	1,974.09	1,964.87	45.04	9.22	80.64	-28.39	-985.81	2,453.85	2,411.15	42.70	57.463		
8,100.00	6,962.18	1,973.73	1,964.51	47.08	9.22	80.62	-28.34	-985.80	2,543.03	2,500.05	42.98	59.165		
8,200.00	6,963.21	1,973.37	1,964.16	49.20	9.22	80.60	-28.28	-985.80	2,632.99	2,589.74	43.25	60.873		
8,300.00	6,964.24	1,973.03	1,963.82	51.39	9.22	80.58	-28.23	-985.79	2,723.65	2,680.13	43.52	62.587		
8,400.00	6,965.27	1,972.68	1,963.48	53.64	9.22	80.57	-28.18	-985.79	2,814.94	2,771.16	43.77	64.306		
8,500.00	6,966.30	1,972.35	1,963.15	55.95	9.21	80.55	-28.13	-985.78	2,906.80	2,862.78	44.02	66.032		
8,600.00	6,967.33	1,972.02	1,962.82	58.30	9.21	80.53	-28.08	-985.78	2,999.18	2,954.92	44.26	67.762		
8,700.00	6,968.37	1,971.70	1,962.50	60.70	9.21	80.52	-28.03	-985.78	3,092.04	3,047.55	44.49	69.498		
8,800.00	6,969.40	1,971.38	1,962.19	63.14	9.21	80.50	-27.98	-985.77	3,185.33	3,140.62	44.71	71.238		
8,900.00	6,970.43	1,971.07	1,961.88	65.60	9.21	80.49	-27.93	-985.77	3,279.02	3,234.09	44.93	72.983		
9,000.00	6,971.46	1,970.76	1,961.58	68.10	9.21	80.47	-27.88	-985.76	3,373.07	3,327.93	45.14	74.732		
9,100.00	6,972.49	1,970.46	1,961.28	70.63	9.20	80.45	-27.84	-985.76	3,467.45	3,422.11	45.34	76.484		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,973.52	1,970.17	1,960.99	73.18	9.20	80.44	-27.79	-985.76	3,562.14	3,516.61	45.53	78.239		
9,300.00	6,974.55	1,960.00	1,950.95	75.75	9.15	79.92	-26.24	-985.64	3,657.13	3,611.49	45.63	80.140		
9,400.00	6,975.58	1,960.00	1,950.95	78.34	9.15	79.92	-26.24	-985.64	3,752.36	3,706.54	45.82	81.899		
9,500.00	6,976.61	1,960.00	1,950.95	80.94	9.15	79.92	-26.24	-985.64	3,847.83	3,801.84	45.99	83.659		
9,600.00	6,977.64	1,960.00	1,950.95	83.56	9.15	79.92	-26.24	-985.64	3,943.53	3,897.36	46.17	85.422		
9,700.00	6,978.68	1,960.00	1,950.95	86.20	9.15	79.92	-26.24	-985.64	4,039.43	3,993.10	46.33	87.185		
9,800.00	6,979.71	1,960.00	1,950.95	88.85	9.15	79.92	-26.24	-985.64	4,135.53	4,089.04	46.49	88.950		
9,900.00	6,980.74	1,960.00	1,950.95	91.51	9.15	79.92	-26.24	-985.64	4,231.81	4,185.16	46.65	90.715		
10,000.00	6,981.77	1,960.00	1,950.95	94.19	9.15	79.92	-26.24	-985.64	4,328.26	4,281.46	46.80	92.480		
10,100.00	6,982.80	1,960.00	1,950.95	96.87	9.15	79.92	-26.24	-985.64	4,424.87	4,377.92	46.95	94.246		
10,200.00	6,983.83	1,960.00	1,950.95	99.56	9.15	79.92	-26.24	-985.64	4,521.62	4,474.53	47.09	96.012		
10,300.00	6,984.86	1,960.00	1,950.95	102.27	9.15	79.92	-26.24	-985.64	4,618.52	4,571.28	47.24	97.777		
10,400.00	6,985.89	1,960.00	1,950.95	104.98	9.15	79.92	-26.24	-985.64	4,715.54	4,668.16	47.37	99.541		
10,500.00	6,986.92	1,960.00	1,950.95	107.69	9.15	79.92	-26.24	-985.64	4,812.68	4,765.17	47.51	101.304		
10,600.00	6,987.95	1,960.00	1,950.95	110.41	9.15	79.92	-26.24	-985.64	4,909.94	4,862.30	47.64	103.066		
10,700.00	6,988.99	1,960.00	1,950.95	113.14	9.15	79.92	-26.24	-985.64	5,007.31	4,959.54	47.77	104.827		
10,800.00	6,990.02	1,960.00	1,950.95	115.88	9.15	79.92	-26.24	-985.64	5,104.78	5,056.88	47.89	106.586		
10,900.00	6,991.05	11,600.00	7,078.38	118.62	157.04	161.37	-497.02	3,632.71	5,168.42	5,045.16	123.26	41.932		
11,000.00	6,992.08	11,600.00	7,078.38	121.37	157.04	161.37	-497.02	3,632.71	5,177.38	5,052.96	124.42	41.611		
11,100.00	6,993.11	11,600.00	7,078.38	124.12	157.04	161.37	-497.02	3,632.71	5,188.26	5,062.71	125.55	41.324		
11,200.00	6,994.14	11,600.00	7,078.38	126.87	157.04	161.37	-497.02	3,632.71	5,201.04	5,074.40	126.64	41.070		
11,300.00	6,995.17	11,600.00	7,078.38	129.63	157.04	161.37	-497.02	3,632.71	5,215.71	5,088.02	127.69	40.847		
11,400.00	6,996.20	11,600.00	7,078.38	132.39	157.04	161.37	-497.02	3,632.71	5,232.24	5,103.54	128.70	40.654		
11,500.00	6,997.23	11,600.00	7,078.38	135.16	157.04	161.37	-497.02	3,632.71	5,250.63	5,120.96	129.67	40.492		
11,600.00	6,998.26	11,600.00	7,078.38	137.93	157.04	161.37	-497.02	3,632.71	5,270.85	5,140.25	130.60	40.358		
11,700.00	6,999.30	11,600.00	7,078.38	140.70	157.04	161.37	-497.02	3,632.71	5,292.89	5,161.40	131.49	40.253		
11,800.00	7,000.33	11,600.00	7,078.38	143.48	157.04	161.37	-497.02	3,632.71	5,316.71	5,184.37	132.34	40.175		
11,900.00	7,001.36	11,600.00	7,078.38	146.26	157.04	161.37	-497.02	3,632.71	5,342.30	5,209.15	133.15	40.123		
12,000.00	7,002.39	11,600.00	7,078.38	149.04	157.04	161.37	-497.02	3,632.71	5,369.63	5,235.72	133.91	40.098		
12,100.00	7,003.42	11,600.00	7,078.38	151.82	157.04	161.37	-497.02	3,632.71	5,398.68	5,264.04	134.64	40.097		
12,200.00	7,004.45	11,600.00	7,078.38	154.61	157.04	161.37	-497.02	3,632.71	5,429.41	5,294.08	135.33	40.121		
12,300.00	7,005.48	11,600.00	7,078.38	157.40	157.04	161.37	-497.02	3,632.71	5,461.80	5,325.83	135.97	40.169		
12,400.00	7,006.51	11,600.00	7,078.38	160.19	157.04	161.37	-497.02	3,632.71	5,495.82	5,359.24	136.58	40.239		
12,500.00	7,007.54	11,600.00	7,078.38	162.98	157.04	161.37	-497.02	3,632.71	5,531.44	5,394.29	137.15	40.331		
12,600.00	7,008.57	11,600.00	7,078.38	165.78	157.04	161.37	-497.02	3,632.71	5,568.62	5,430.94	137.68	40.445		
12,700.00	7,009.61	11,600.00	7,078.38	168.58	157.04	161.37	-497.02	3,632.71	5,607.35	5,469.17	138.18	40.580		
12,800.00	7,010.64	11,600.00	7,078.38	171.38	157.04	161.37	-497.02	3,632.71	5,647.57	5,508.93	138.64	40.735		
12,900.00	7,011.67	11,600.00	7,078.38	174.18	157.04	161.37	-497.02	3,632.71	5,689.28	5,550.21	139.07	40.910		
13,000.00	7,012.70	11,600.00	7,078.38	176.98	157.04	161.37	-497.02	3,632.71	5,732.42	5,592.96	139.46	41.104		
13,100.00	7,013.73	11,600.00	7,078.38	179.78	157.04	161.37	-497.02	3,632.71	5,776.97	5,637.15	139.82	41.316		
13,200.00	7,014.76	11,600.00	7,078.38	182.59	157.04	161.37	-497.02	3,632.71	5,822.90	5,682.75	140.15	41.547		
13,300.00	7,015.79	11,600.00	7,078.38	185.39	157.04	161.37	-497.02	3,632.71	5,870.17	5,729.72	140.45	41.794		
13,400.00	7,016.82	11,600.00	7,078.38	188.20	157.04	161.37	-497.02	3,632.71	5,918.76	5,778.03	140.73	42.058		
13,500.00	7,017.85	11,600.00	7,078.38	191.01	157.04	161.37	-497.02	3,632.71	5,968.62	5,827.65	140.97	42.339		
13,600.00	7,018.88	11,600.00	7,078.38	193.82	157.04	161.37	-497.02	3,632.71	6,019.74	5,878.55	141.19	42.635		
13,700.00	7,019.91	11,600.00	7,078.38	196.63	157.04	161.37	-497.02	3,632.71	6,072.07	5,930.68	141.39	42.947		
13,800.00	7,020.95	11,600.00	7,078.38	199.44	157.04	161.37	-497.02	3,632.71	6,125.58	5,984.03	141.56	43.273		
13,900.00	7,021.98	11,600.00	7,078.38	202.26	157.04	161.37	-497.02	3,632.71	6,180.25	6,038.55	141.70	43.614		
14,000.00	7,023.01	11,600.00	7,078.38	205.07	157.04	161.37	-497.02	3,632.71	6,236.05	6,094.22	141.83	43.969		
14,100.00	7,024.04	11,600.00	7,078.38	207.89	157.04	161.37	-497.02	3,632.71	6,292.94	6,151.00	141.93	44.337		
14,200.00	7,025.07	11,600.00	7,078.38	210.70	157.04	161.37	-497.02	3,632.71	6,350.89	6,208.87	142.02	44.719		
14,300.00	7,026.10	11,600.00	7,078.38	213.52	157.04	161.37	-497.02	3,632.71	6,409.88	6,267.80	142.09	45.113		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	11,600.00	7,078.38	216.34	157.04	161.37	-497.02	3,632.71	6,469.88	6,327.74	142.14	45.519		
14,500.00	7,028.16	11,600.00	7,078.38	219.16	157.04	161.37	-497.02	3,632.71	6,530.86	6,388.69	142.17	45.937		
14,600.00	7,029.19	11,600.00	7,078.38	221.98	157.04	161.37	-497.02	3,632.71	6,592.79	6,450.60	142.19	46.367		
14,700.00	7,030.22	11,600.00	7,078.38	224.80	157.04	161.37	-497.02	3,632.71	6,655.65	6,513.46	142.19	46.807		
14,800.00	7,031.26	11,600.00	7,078.38	227.62	157.04	161.37	-497.02	3,632.71	6,719.41	6,577.22	142.18	47.259		
14,900.00	7,032.29	11,600.00	7,078.38	230.44	157.04	161.37	-497.02	3,632.71	6,784.04	6,641.88	142.16	47.721		
15,000.00	7,033.32	11,600.00	7,078.38	233.26	157.04	161.37	-497.02	3,632.71	6,849.52	6,707.40	142.13	48.193		
15,100.00	7,034.35	11,600.00	7,078.38	236.09	157.04	161.37	-497.02	3,632.71	6,915.83	6,773.75	142.08	48.675		
15,200.00	7,035.38	11,600.00	7,078.38	238.91	157.04	161.37	-497.02	3,632.71	6,982.94	6,840.92	142.03	49.167		
15,300.00	7,036.41	11,600.00	7,078.38	241.74	157.04	161.37	-497.02	3,632.71	7,050.83	6,908.87	141.96	49.667		
15,400.00	7,037.44	11,600.00	7,078.38	244.56	157.04	161.37	-497.02	3,632.71	7,119.48	6,977.60	141.89	50.177		
15,500.00	7,038.47	11,600.00	7,078.38	247.39	157.04	161.37	-497.02	3,632.71	7,188.87	7,047.06	141.81	50.695		
15,600.00	7,039.50	11,600.00	7,078.38	250.21	157.04	161.37	-497.02	3,632.71	7,258.96	7,117.25	141.72	51.222		
15,700.00	7,040.53	11,600.00	7,078.38	253.04	157.04	161.37	-497.02	3,632.71	7,329.76	7,188.14	141.62	51.757		
15,800.00	7,041.57	11,600.00	7,078.38	255.87	157.04	161.37	-497.02	3,632.71	7,401.22	7,259.71	141.52	52.300		
15,900.00	7,042.60	11,600.00	7,078.38	258.70	157.04	161.37	-497.02	3,632.71	7,473.34	7,331.94	141.41	52.850		
16,000.00	7,043.63	11,600.00	7,078.38	261.53	157.04	161.37	-497.02	3,632.71	7,546.10	7,404.81	141.29	53.407		
16,100.00	7,044.66	11,600.00	7,078.38	264.35	157.04	161.37	-497.02	3,632.71	7,619.47	7,478.30	141.17	53.972		
16,200.00	7,045.69	11,600.00	7,078.38	267.18	157.04	161.37	-497.02	3,632.71	7,693.45	7,552.40	141.05	54.544		
16,300.00	7,046.72	11,600.00	7,078.38	270.01	157.04	161.37	-497.02	3,632.71	7,768.01	7,627.08	140.92	55.122		
16,400.00	7,047.75	11,600.00	7,078.38	272.84	157.04	161.37	-497.02	3,632.71	7,843.13	7,702.34	140.79	55.707		
16,500.00	7,048.78	11,600.00	7,078.38	275.67	157.04	161.37	-497.02	3,632.71	7,918.80	7,778.15	140.66	56.298		
16,600.00	7,049.81	11,600.00	7,078.38	278.51	157.04	161.37	-497.02	3,632.71	7,995.01	7,854.49	140.52	56.895		
16,700.00	7,050.84	11,600.00	7,078.38	281.34	157.04	161.37	-497.02	3,632.71	8,071.74	7,931.36	140.38	57.498		
16,800.00	7,051.88	11,600.00	7,078.38	284.17	157.04	161.37	-497.02	3,632.71	8,148.97	8,008.73	140.24	58.107		
16,900.00	7,052.91	11,600.00	7,078.38	287.00	157.04	161.37	-497.02	3,632.71	8,226.70	8,086.60	140.10	58.721		
17,000.00	7,053.94	11,600.00	7,078.38	289.83	157.04	161.37	-497.02	3,632.71	8,304.90	8,164.94	139.95	59.341		
17,100.00	7,054.97	11,600.00	7,078.38	292.67	157.04	161.37	-497.02	3,632.71	8,383.56	8,243.75	139.81	59.966		
17,200.00	7,056.00	11,600.00	7,078.38	295.50	157.04	161.37	-497.02	3,632.71	8,462.67	8,323.01	139.66	60.595		
17,300.00	7,057.03	11,600.00	7,078.38	298.33	157.04	161.37	-497.02	3,632.71	8,542.22	8,402.71	139.51	61.230		
17,400.00	7,058.06	11,600.00	7,078.38	301.17	157.04	161.37	-497.02	3,632.71	8,622.20	8,482.84	139.36	61.869		
17,500.00	7,059.09	11,600.00	7,078.38	304.00	157.04	161.37	-497.02	3,632.71	8,702.59	8,563.38	139.21	62.513		
17,600.00	7,060.12	11,600.00	7,078.38	306.84	157.04	161.37	-497.02	3,632.71	8,783.39	8,644.32	139.06	63.161		
17,685.09	7,061.00	11,600.00	7,078.38	309.25	157.04	161.37	-497.02	3,632.71	8,852.44	8,713.50	138.94	63.715		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-80.81	152.66	-943.68	956.66					
100.00	100.00	59.10	59.10	3.28	3.29	-80.81	152.70	-943.76	956.04	949.47	6.57	145.460	CC, ES	
200.00	200.00	150.79	150.79	3.34	3.34	-80.80	152.99	-944.50	956.89	950.21	6.68	143.288		
300.00	299.98	259.26	259.25	3.45	3.46	-78.01	153.03	-945.50	957.44	950.54	6.90	138.685		
325.90	325.86	280.18	280.16	3.48	3.49	-78.07	152.86	-945.69	957.43	950.45	6.97	137.356		
400.00	399.84	344.29	344.26	3.61	3.59	-78.35	151.76	-946.78	957.62	950.42	7.20	133.030		
500.00	499.45	428.70	428.58	3.82	3.76	-78.95	149.02	-949.51	958.64	951.07	7.57	126.568		
600.00	598.70	504.28	503.94	4.07	3.94	-79.70	145.07	-953.61	961.13	953.12	8.01	120.031		
680.00	677.76	561.29	560.62	4.29	4.10	-80.42	140.90	-958.15	964.76	956.37	8.39	114.940		
700.00	697.48	575.17	574.38	4.35	4.14	-80.63	139.71	-959.47	965.95	957.46	8.49	113.712		
800.00	796.08	650.99	649.33	4.66	4.37	-81.85	132.12	-967.97	973.82	964.77	9.05	107.661		
900.00	894.68	746.10	743.10	4.98	4.71	-83.44	121.38	-979.75	983.58	973.89	9.69	101.503		
1,000.00	993.28	845.76	841.26	5.34	5.11	-85.15	108.73	-991.49	993.56	983.16	10.40	95.563		
1,100.00	1,091.88	962.99	956.45	5.71	5.62	-87.26	91.23	-1,004.33	1,003.77	992.55	11.22	89.450		
1,200.00	1,190.48	1,103.98	1,094.40	6.10	6.29	-90.10	63.89	-1,013.77	1,011.04	998.82	12.21	82.787		
1,300.00	1,289.07	1,206.28	1,193.74	6.49	6.81	-92.37	39.69	-1,017.25	1,016.97	1,003.88	13.09	77.670		
1,400.00	1,387.67	1,323.34	1,306.99	6.90	7.43	-95.04	10.21	-1,019.80	1,023.65	1,009.56	14.09	72.661		
1,500.00	1,486.27	1,410.54	1,391.02	7.31	7.92	-97.09	-13.11	-1,019.96	1,030.31	1,015.35	14.96	68.870		
1,600.00	1,584.87	1,500.15	1,477.34	7.73	8.45	-99.16	-37.12	-1,020.51	1,039.05	1,023.19	15.86	65.520		
1,700.00	1,683.47	1,582.63	1,556.94	8.16	8.94	-101.02	-58.68	-1,021.44	1,049.72	1,033.00	16.72	62.793		
1,800.00	1,782.07	1,681.78	1,652.92	8.59	9.54	-103.14	-83.52	-1,023.16	1,062.15	1,044.48	17.67	60.105		
1,900.00	1,880.67	1,776.20	1,744.57	9.02	10.10	-105.08	-106.17	-1,024.40	1,075.28	1,056.68	18.59	57.832		
2,000.00	1,979.27	1,870.05	1,835.70	9.46	10.67	-106.96	-128.61	-1,025.48	1,089.53	1,070.02	19.51	55.845		
2,100.00	2,077.87	1,942.83	1,906.67	9.90	11.11	-108.30	-144.54	-1,027.59	1,105.76	1,085.49	20.27	54.554		
2,200.00	2,176.47	2,065.72	2,027.65	10.35	11.78	-110.13	-164.92	-1,034.26	1,123.21	1,101.91	21.30	52.736		
2,300.00	2,275.07	2,212.24	2,173.02	10.79	12.49	-112.05	-182.75	-1,037.07	1,135.84	1,113.43	22.41	50.694		
2,400.00	2,373.67	2,332.97	2,293.42	11.24	13.01	-113.33	-191.34	-1,039.29	1,147.21	1,123.88	23.33	49.179		
2,500.00	2,472.27	2,459.93	2,420.28	11.69	13.51	-114.47	-196.07	-1,040.57	1,156.70	1,132.45	24.24	47.715		
2,600.00	2,570.87	2,565.07	2,525.42	12.14	13.89	-115.30	-197.26	-1,040.86	1,164.57	1,139.51	25.06	46.472		
2,700.00	2,669.47	2,684.43	2,644.77	12.59	14.29	-116.16	-196.69	-1,040.82	1,171.62	1,145.72	25.89	45.245		
2,800.00	2,768.07	2,782.50	2,742.82	13.04	14.59	-116.80	-194.91	-1,040.77	1,178.18	1,151.53	26.65	44.213		
2,900.00	2,866.67	2,882.55	2,842.84	13.50	14.90	-117.40	-192.09	-1,041.09	1,184.71	1,157.30	27.41	43.217		
3,000.00	2,965.27	2,975.47	2,935.72	13.95	15.19	-117.95	-189.64	-1,041.56	1,191.62	1,163.45	28.16	42.309		
3,100.00	3,063.87	3,066.36	3,026.57	14.41	15.49	-118.48	-187.40	-1,042.61	1,199.29	1,170.37	28.92	41.473		
3,200.00	3,162.47	3,186.08	3,146.23	14.87	15.89	-119.14	-184.07	-1,044.10	1,207.07	1,177.31	29.77	40.549		
3,300.00	3,261.07	3,277.79	3,237.87	15.32	16.19	-119.61	-180.30	-1,044.79	1,213.77	1,183.24	30.53	39.754		
3,400.00	3,359.67	3,369.52	3,329.54	15.78	16.50	-120.08	-177.12	-1,045.94	1,221.31	1,190.01	31.30	39.017		
3,500.00	3,458.27	3,491.47	3,451.41	16.24	16.91	-120.76	-173.24	-1,045.77	1,227.88	1,195.70	32.18	38.159		
3,600.00	3,556.87	3,581.88	3,541.79	16.70	17.22	-121.27	-170.65	-1,045.30	1,234.50	1,201.54	32.96	37.459		
3,700.00	3,655.47	3,676.65	3,636.53	17.16	17.56	-121.81	-168.17	-1,045.13	1,241.66	1,207.91	33.75	36.787		
3,800.00	3,754.06	3,780.67	3,740.52	17.62	17.93	-122.40	-165.72	-1,045.04	1,249.18	1,214.60	34.59	36.118		
3,900.00	3,852.66	3,886.01	3,845.82	18.08	18.30	-123.01	-163.12	-1,043.91	1,255.95	1,220.52	35.43	35.451		
4,000.00	3,951.26	3,988.74	3,948.51	18.54	18.67	-123.61	-160.69	-1,042.49	1,262.66	1,226.40	36.26	34.819		
4,100.00	4,049.86	4,080.77	4,040.50	19.01	19.00	-124.13	-158.21	-1,041.48	1,269.54	1,232.48	37.07	34.250		
4,200.00	4,148.46	4,175.24	4,134.92	19.47	19.35	-124.62	-155.35	-1,041.30	1,277.04	1,239.16	37.88	33.712		
4,300.00	4,247.06	4,283.48	4,243.10	19.93	19.75	-125.16	-151.73	-1,041.19	1,284.52	1,245.77	38.75	33.152		
4,400.00	4,345.66	4,390.92	4,350.47	20.39	20.14	-125.72	-148.10	-1,039.75	1,291.09	1,251.48	39.61	32.593		
4,500.00	4,444.26	4,480.62	4,440.12	20.86	20.48	-126.20	-145.49	-1,038.52	1,298.06	1,257.64	40.42	32.116		
4,600.00	4,542.86	4,572.37	4,531.84	21.32	20.83	-126.69	-143.11	-1,037.88	1,305.85	1,264.62	41.23	31.671		
4,700.00	4,641.46	4,664.26	4,623.71	21.78	21.18	-127.16	-140.94	-1,037.52	1,314.14	1,272.09	42.05	31.253		
4,800.00	4,740.06	4,755.96	4,715.39	22.25	21.53	-127.63	-139.21	-1,037.68	1,323.25	1,280.38	42.86	30.870		
4,900.00	4,838.66	4,858.22	4,817.63	22.71	21.93	-128.13	-137.03	-1,038.25	1,332.60	1,288.87	43.73	30.474		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,968.07	4,927.45	23.18	22.36	-128.71	-135.21	-1,037.54	1,341.46	1,296.84	44.63	30.060		
5,100.00	5,035.86	5,083.82	5,043.17	23.64	22.81	-129.36	-133.36	-1,035.08	1,349.40	1,303.85	45.55	29.627		
5,200.00	5,134.46	5,161.86	5,121.18	24.11	23.11	-129.81	-132.53	-1,033.47	1,357.80	1,311.49	46.32	29.316		
5,300.00	5,233.06	5,250.87	5,210.19	24.57	23.46	-130.31	-132.06	-1,032.20	1,367.22	1,320.09	47.13	29.011		
5,400.00	5,331.66	5,334.10	5,293.41	25.04	23.80	-130.74	-131.66	-1,032.04	1,377.67	1,329.76	47.91	28.756		
5,500.00	5,430.26	5,449.12	5,408.41	25.50	24.26	-131.39	-131.99	-1,030.74	1,388.09	1,339.24	48.85	28.416		
5,600.00	5,528.86	5,548.55	5,507.74	25.97	24.67	-132.09	-134.33	-1,026.79	1,398.12	1,348.41	49.72	28.122		
5,700.00	5,627.46	5,649.69	5,608.78	26.43	25.08	-132.76	-136.37	-1,023.07	1,408.34	1,357.74	50.59	27.838		
5,800.00	5,726.06	5,754.75	5,713.83	26.90	25.50	-133.30	-135.51	-1,021.60	1,418.24	1,366.75	51.48	27.548		
5,900.00	5,824.66	5,861.43	5,820.48	27.36	25.93	-133.76	-132.92	-1,021.25	1,427.82	1,375.44	52.38	27.260		
6,000.00	5,923.26	5,948.22	5,907.15	27.83	26.27	-134.03	-129.07	-1,022.89	1,437.51	1,384.33	53.18	27.030		
6,100.00	6,021.86	6,053.05	6,011.79	28.30	26.69	-134.28	-123.61	-1,026.43	1,447.67	1,393.60	54.07	26.773		
6,200.00	6,120.46	6,148.64	6,107.31	28.76	27.07	-134.62	-120.48	-1,027.33	1,457.64	1,402.72	54.92	26.542		
6,300.00	6,219.06	6,234.76	6,193.43	29.23	27.42	-135.03	-119.75	-1,026.62	1,468.29	1,412.57	55.72	26.351		
6,405.66	6,323.24	6,335.63	6,294.29	29.72	27.83	-135.48	-119.22	-1,026.35	1,480.29	1,423.68	56.62	26.146		
6,450.00	6,366.93	6,384.68	6,343.33	29.93	28.03	-158.71	-118.56	-1,026.56	1,486.32	1,429.29	57.03	26.063		
6,500.00	6,415.96	6,439.01	6,397.65	30.15	28.26	-178.77	-117.43	-1,026.97	1,495.37	1,437.88	57.48	26.014		
6,550.00	6,464.44	6,492.39	6,451.01	30.37	28.47	168.14	-115.95	-1,027.52	1,506.79	1,448.86	57.93	26.010 SF		
6,600.00	6,512.08	6,536.27	6,494.88	30.58	28.65	159.47	-114.82	-1,027.85	1,520.67	1,462.34	58.33	26.071		
6,650.00	6,558.58	6,579.08	6,537.67	30.78	28.83	153.31	-114.17	-1,027.83	1,537.08	1,478.36	58.72	26.178		
6,700.00	6,603.65	6,621.37	6,579.96	30.97	29.00	148.58	-113.89	-1,027.54	1,555.94	1,496.83	59.10	26.327		
6,750.00	6,647.02	6,662.25	6,620.84	31.15	29.17	144.69	-113.90	-1,027.07	1,577.14	1,517.67	59.47	26.519		
6,800.00	6,688.42	6,699.42	6,658.01	31.31	29.32	141.25	-114.03	-1,026.62	1,600.63	1,540.81	59.82	26.757		
6,850.00	6,727.59	6,733.55	6,692.14	31.46	29.46	138.05	-113.99	-1,026.52	1,626.36	1,566.21	60.15	27.039		
6,900.00	6,764.29	6,766.18	6,724.77	31.60	29.60	134.95	-113.82	-1,026.73	1,654.23	1,593.76	60.47	27.358		
6,950.00	6,798.30	6,805.57	6,764.15	31.73	29.76	132.03	-113.48	-1,027.07	1,684.00	1,623.18	60.82	27.688		
7,000.00	6,829.41	6,841.76	6,800.34	31.84	29.91	129.00	-113.07	-1,027.31	1,715.49	1,654.33	61.15	28.052		
7,050.00	6,857.42	6,867.03	6,825.61	32.03	30.02	125.54	-112.77	-1,027.44	1,748.63	1,687.21	61.43	28.468		
7,100.00	6,882.16	6,885.84	6,844.42	32.36	30.09	121.64	-112.61	-1,027.55	1,783.42	1,721.76	61.66	28.925		
7,150.00	6,903.48	6,901.93	6,860.51	32.73	30.16	117.35	-112.53	-1,027.66	1,819.65	1,757.78	61.87	29.409		
7,200.00	6,921.25	6,915.23	6,873.81	33.15	30.22	112.65	-112.51	-1,027.76	1,857.13	1,795.05	62.07	29.918		
7,250.00	6,935.36	6,925.68	6,884.26	33.61	30.26	107.53	-112.52	-1,027.85	1,895.62	1,833.36	62.26	30.448		
7,300.00	6,945.72	6,933.24	6,891.82	34.11	30.29	102.02	-112.53	-1,027.91	1,934.91	1,872.48	62.42	30.996		
7,350.00	6,952.26	6,937.87	6,896.45	34.65	30.31	96.21	-112.55	-1,027.95	1,974.74	1,912.17	62.58	31.558		
7,403.14	6,955.00	6,943.00	6,901.58	35.26	30.33	90.01	-112.58	-1,028.00	2,017.41	1,954.67	62.74	32.155		
7,500.00	6,955.99	6,943.00	6,901.58	36.49	30.33	90.01	-112.58	-1,028.00	2,096.11	2,033.12	63.00	33.274		
7,600.00	6,957.03	6,943.00	6,901.58	37.93	30.33	90.01	-112.58	-1,028.00	2,178.90	2,115.62	63.28	34.432		
7,700.00	6,958.06	6,943.00	6,901.58	39.52	30.33	90.01	-112.58	-1,028.00	2,263.07	2,199.49	63.58	35.596		
7,800.00	6,959.09	6,943.00	6,901.58	41.25	30.33	90.01	-112.58	-1,028.00	2,348.49	2,284.61	63.88	36.765		
7,900.00	6,960.12	6,943.00	6,901.58	43.09	30.33	90.01	-112.58	-1,028.00	2,435.02	2,370.83	64.18	37.939		
8,000.00	6,961.15	6,943.00	6,901.58	45.04	30.33	90.01	-112.58	-1,028.00	2,522.54	2,458.06	64.48	39.119		
8,100.00	6,962.18	6,943.00	6,901.58	47.08	30.33	90.01	-112.58	-1,028.00	2,610.96	2,546.18	64.78	40.305		
8,200.00	6,963.21	6,943.00	6,901.58	49.20	30.33	90.01	-112.58	-1,028.00	2,700.19	2,635.12	65.07	41.496		
8,300.00	6,964.24	6,943.00	6,901.58	51.39	30.33	90.01	-112.58	-1,028.00	2,790.15	2,724.79	65.35	42.693		
8,400.00	6,965.27	6,943.00	6,901.58	53.64	30.33	90.01	-112.58	-1,028.00	2,880.77	2,815.14	65.63	43.894		
8,500.00	6,966.30	6,943.00	6,901.58	55.95	30.33	90.01	-112.58	-1,028.00	2,971.99	2,906.10	65.90	45.100		
8,600.00	6,967.33	6,943.00	6,901.58	58.30	30.33	90.01	-112.58	-1,028.00	3,063.76	2,997.61	66.16	46.311		
8,700.00	6,968.37	6,943.00	6,901.58	60.70	30.33	90.01	-112.58	-1,028.00	3,156.03	3,089.63	66.41	47.526		
8,800.00	6,969.40	6,943.00	6,901.58	63.14	30.33	90.01	-112.58	-1,028.00	3,248.76	3,182.11	66.65	48.744		
8,900.00	6,970.43	6,943.00	6,901.58	65.60	30.33	90.01	-112.58	-1,028.00	3,341.91	3,275.03	66.88	49.966		
9,000.00	6,971.46	6,943.00	6,901.58	68.10	30.33	90.01	-112.58	-1,028.00	3,435.44	3,368.33	67.11	51.192		
9,100.00	6,972.49	6,943.00	6,901.58	70.63	30.33	90.01	-112.58	-1,028.00	3,529.33	3,462.00	67.33	52.420		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,200.00	6,973.52	6,943.00	6,901.58	73.18	30.33	90.01	-112.58	-1,028.00	3,623.55	3,556.01	67.54	53.651		
9,300.00	6,974.55	6,943.00	6,901.58	75.75	30.33	90.01	-112.58	-1,028.00	3,718.06	3,650.32	67.74	54.885		
9,400.00	6,975.58	6,943.00	6,901.58	78.34	30.33	90.01	-112.58	-1,028.00	3,812.86	3,744.92	67.94	56.121		
9,500.00	6,976.61	6,943.00	6,901.58	80.94	30.33	90.01	-112.58	-1,028.00	3,907.92	3,839.78	68.13	57.358		
9,600.00	6,977.64	6,943.00	6,901.58	83.56	30.33	90.01	-112.58	-1,028.00	4,003.21	3,934.90	68.32	58.598		
9,700.00	6,978.68	6,943.00	6,901.58	86.20	30.33	90.01	-112.58	-1,028.00	4,098.73	4,030.24	68.50	59.839		
9,800.00	6,979.71	6,943.00	6,901.58	88.85	30.33	90.01	-112.58	-1,028.00	4,194.46	4,125.79	68.67	61.081		
9,900.00	6,980.74	6,943.00	6,901.58	91.51	30.33	90.01	-112.58	-1,028.00	4,290.39	4,221.55	68.84	62.324		
10,000.00	6,981.77	6,943.00	6,901.58	94.19	30.33	90.01	-112.58	-1,028.00	4,386.49	4,317.49	69.00	63.568		
10,100.00	6,982.80	6,943.00	6,901.58	96.87	30.33	90.01	-112.58	-1,028.00	4,482.77	4,413.61	69.16	64.813		
10,200.00	6,983.83	6,943.00	6,901.58	99.56	30.33	90.01	-112.58	-1,028.00	4,579.21	4,509.89	69.32	66.059		
10,300.00	6,984.86	6,943.00	6,901.58	102.27	30.33	90.01	-112.58	-1,028.00	4,675.79	4,606.32	69.47	67.305		
10,400.00	6,985.89	6,943.00	6,901.58	104.98	30.33	90.01	-112.58	-1,028.00	4,772.52	4,702.90	69.62	68.551		
10,500.00	6,986.92	6,943.00	6,901.58	107.69	30.33	90.01	-112.58	-1,028.00	4,869.38	4,799.62	69.76	69.797		
10,600.00	6,987.95	6,943.00	6,901.58	110.41	30.33	90.01	-112.58	-1,028.00	4,966.36	4,896.46	69.91	71.043		
10,700.00	6,988.99	6,943.00	6,901.58	113.14	30.33	90.01	-112.58	-1,028.00	5,063.46	4,993.42	70.04	72.290		
10,800.00	6,990.02	6,943.00	6,901.58	115.88	30.33	90.01	-112.58	-1,028.00	5,160.68	5,090.50	70.18	73.535		
10,900.00	6,991.05	6,943.00	6,901.58	118.62	30.33	90.01	-112.58	-1,028.00	5,257.99	5,187.68	70.31	74.781		
11,000.00	6,992.08	6,943.00	6,901.58	121.37	30.33	90.01	-112.58	-1,028.00	5,355.41	5,284.97	70.44	76.026		
11,100.00	6,993.11	6,943.00	6,901.58	124.12	30.33	90.01	-112.58	-1,028.00	5,452.92	5,382.35	70.57	77.270		
11,200.00	6,994.14	6,943.00	6,901.58	126.87	30.33	90.01	-112.58	-1,028.00	5,550.51	5,479.82	70.69	78.514		
11,300.00	6,995.17	6,943.00	6,901.58	129.63	30.33	90.01	-112.58	-1,028.00	5,648.20	5,577.38	70.82	79.757		
11,400.00	6,996.20	6,943.00	6,901.58	132.39	30.33	90.01	-112.58	-1,028.00	5,745.96	5,675.02	70.94	80.999		
11,500.00	6,997.23	6,943.00	6,901.58	135.16	30.33	90.01	-112.58	-1,028.00	5,843.79	5,772.74	71.06	82.240		
11,600.00	6,998.26	6,943.00	6,901.58	137.93	30.33	90.01	-112.58	-1,028.00	5,941.70	5,870.53	71.18	83.480		
11,700.00	6,999.30	6,943.00	6,901.58	140.70	30.33	90.01	-112.58	-1,028.00	6,039.68	5,968.39	71.29	84.718		
11,800.00	7,000.33	6,943.00	6,901.58	143.48	30.33	90.01	-112.58	-1,028.00	6,137.72	6,066.32	71.41	85.956		
11,900.00	7,001.36	6,943.00	6,901.58	146.26	30.33	90.01	-112.58	-1,028.00	6,235.83	6,164.31	71.52	87.192		
12,000.00	7,002.39	6,943.00	6,901.58	149.04	30.33	90.01	-112.58	-1,028.00	6,333.99	6,262.36	71.63	88.427		
12,100.00	7,003.42	6,943.00	6,901.58	151.82	30.33	90.01	-112.58	-1,028.00	6,432.21	6,360.47	71.74	89.660		
12,200.00	7,004.45	6,943.00	6,901.58	154.61	30.33	90.01	-112.58	-1,028.00	6,530.49	6,458.64	71.85	90.892		
12,300.00	7,005.48	6,943.00	6,901.58	157.40	30.33	90.01	-112.58	-1,028.00	6,628.81	6,556.86	71.96	92.122		
12,400.00	7,006.51	6,943.00	6,901.58	160.19	30.33	90.01	-112.58	-1,028.00	6,727.19	6,655.13	72.06	93.351		
12,500.00	7,007.54	6,943.00	6,901.58	162.98	30.33	90.01	-112.58	-1,028.00	6,825.61	6,753.44	72.17	94.578		
12,600.00	7,008.57	6,943.00	6,901.58	165.78	30.33	90.01	-112.58	-1,028.00	6,924.08	6,851.81	72.27	95.803		
12,700.00	7,009.61	6,943.00	6,901.58	168.58	30.33	90.01	-112.58	-1,028.00	7,022.59	6,950.21	72.38	97.026		
12,800.00	7,010.64	6,943.00	6,901.58	171.38	30.33	90.01	-112.58	-1,028.00	7,121.14	7,048.66	72.48	98.247		
12,900.00	7,011.67	6,943.00	6,901.58	174.18	30.33	90.01	-112.58	-1,028.00	7,219.74	7,147.15	72.58	99.466		
13,000.00	7,012.70	6,943.00	6,901.58	176.98	30.33	90.01	-112.58	-1,028.00	7,318.37	7,245.68	72.69	100.684		
13,100.00	7,013.73	6,943.00	6,901.58	179.78	30.33	90.01	-112.58	-1,028.00	7,417.04	7,344.25	72.79	101.899		
13,200.00	7,014.76	6,943.00	6,901.58	182.59	30.33	90.01	-112.58	-1,028.00	7,515.74	7,442.85	72.89	103.112		
13,300.00	7,015.79	6,943.00	6,901.58	185.39	30.33	90.01	-112.58	-1,028.00	7,614.47	7,541.49	72.99	104.323		
13,400.00	7,016.82	6,943.00	6,901.58	188.20	30.33	90.01	-112.58	-1,028.00	7,713.24	7,640.16	73.09	105.532		
13,500.00	7,017.85	6,943.00	6,901.58	191.01	30.33	90.01	-112.58	-1,028.00	7,812.04	7,738.86	73.19	106.739		
13,600.00	7,018.88	6,943.00	6,901.58	193.82	30.33	90.01	-112.58	-1,028.00	7,910.88	7,837.59	73.29	107.943		
13,700.00	7,019.91	6,943.00	6,901.58	196.63	30.33	90.01	-112.58	-1,028.00	8,009.73	7,936.35	73.39	109.145		
13,800.00	7,020.95	6,943.00	6,901.58	199.44	30.33	90.01	-112.58	-1,028.00	8,108.62	8,035.14	73.48	110.345		
13,900.00	7,021.98	6,943.00	6,901.58	202.26	30.33	90.01	-112.58	-1,028.00	8,207.54	8,133.95	73.58	111.542		
14,000.00	7,023.01	6,943.00	6,901.58	205.07	30.33	90.01	-112.58	-1,028.00	8,306.48	8,232.80	73.68	112.737		
14,100.00	7,024.04	6,943.00	6,901.58	207.89	30.33	90.01	-112.58	-1,028.00	8,405.44	8,331.67	73.78	113.929		
14,200.00	7,025.07	6,943.00	6,901.58	210.70	30.33	90.01	-112.58	-1,028.00	8,504.43	8,430.56	73.88	115.119		
14,300.00	7,026.10	6,943.00	6,901.58	213.52	30.33	90.01	-112.58	-1,028.00	8,603.45	8,529.47	73.97	116.306		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - WIEDEMAN #18-5 - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
14,400.00	7,027.13	6,943.00	6,901.58	216.34	30.33	90.01	-112.58	-1,028.00	8,702.48	8,628.41	74.07	117.490	
14,500.00	7,028.16	6,943.00	6,901.58	219.16	30.33	90.01	-112.58	-1,028.00	8,801.54	8,727.37	74.17	118.672	
14,600.00	7,029.19	6,943.00	6,901.58	221.98	30.33	90.01	-112.58	-1,028.00	8,900.62	8,826.35	74.26	119.852	
14,700.00	7,030.22	6,943.00	6,901.58	224.80	30.33	90.01	-112.58	-1,028.00	8,999.72	8,925.36	74.36	121.028	
14,800.00	7,031.26	6,943.00	6,901.58	227.62	30.33	90.01	-112.58	-1,028.00	9,098.84	9,024.38	74.46	122.202	
14,900.00	7,032.29	6,943.00	6,901.58	230.44	30.33	90.01	-112.58	-1,028.00	9,197.97	9,123.42	74.55	123.373	
15,000.00	7,033.32	6,943.00	6,901.58	233.26	30.33	90.01	-112.58	-1,028.00	9,297.13	9,222.48	74.65	124.542	
15,100.00	7,034.35	6,943.00	6,901.58	236.09	30.33	90.01	-112.58	-1,028.00	9,396.30	9,321.56	74.75	125.707	
15,200.00	7,035.38	6,943.00	6,901.58	238.91	30.33	90.01	-112.58	-1,028.00	9,495.50	9,420.65	74.84	126.870	
15,300.00	7,036.41	6,943.00	6,901.58	241.74	30.33	90.01	-112.58	-1,028.00	9,594.70	9,519.76	74.94	128.030	
15,400.00	7,037.44	6,943.00	6,901.58	244.56	30.33	90.01	-112.58	-1,028.00	9,693.93	9,618.89	75.04	129.187	
15,500.00	7,038.47	6,943.00	6,901.58	247.39	30.33	90.01	-112.58	-1,028.00	9,793.17	9,718.03	75.14	130.341	
15,600.00	7,039.50	6,943.00	6,901.58	250.21	30.33	90.01	-112.58	-1,028.00	9,892.42	9,817.19	75.23	131.492	
15,700.00	7,040.53	6,943.00	6,901.58	253.04	30.33	90.01	-112.58	-1,028.00	9,991.70	9,916.37	75.33	132.640	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-81.65	137.73	-938.67	949.44					
100.00	100.00	57.72	57.72	3.28	3.29	-81.65	137.75	-938.78	948.85	942.28	6.57	144.371		
200.00	200.00	146.48	146.48	3.34	3.34	-81.65	137.90	-939.79	950.00	943.32	6.68	142.299		
300.00	299.98	270.03	270.01	3.45	3.47	-78.90	137.61	-940.80	950.50	943.58	6.92	137.425		
400.00	399.84	437.36	437.16	3.61	3.77	-79.71	133.75	-934.84	945.98	938.56	7.41	127.602		
500.00	499.45	586.81	585.60	3.82	4.14	-81.13	125.42	-919.92	933.81	925.77	8.04	116.115		
600.00	598.70	737.47	733.91	4.07	4.65	-83.30	112.37	-897.04	915.94	907.13	8.81	104.009		
680.00	677.76	825.38	819.74	4.29	5.02	-85.04	102.95	-880.52	898.74	889.42	9.32	96.406		
700.00	697.48	843.12	837.05	4.35	5.10	-85.34	101.02	-877.14	894.44	885.00	9.44	94.781		
800.00	796.08	944.52	936.01	4.66	5.57	-87.13	90.16	-857.93	873.52	863.41	10.11	86.413		
900.00	894.68	1,069.10	1,056.88	4.98	6.22	-89.47	76.23	-831.19	850.95	839.99	10.96	77.656		
1,000.00	993.28	1,156.63	1,141.59	5.34	6.72	-91.18	67.06	-811.12	827.83	816.16	11.67	70.949		
1,100.00	1,091.88	1,264.10	1,245.40	5.71	7.36	-93.39	55.79	-785.69	804.88	792.35	12.52	64.270		
1,200.00	1,190.48	1,352.03	1,330.10	6.10	7.91	-95.39	45.16	-764.67	782.81	769.47	13.34	58.672		
1,300.00	1,289.07	1,443.69	1,418.20	6.49	8.51	-97.68	32.87	-742.54	761.86	747.63	14.24	53.517		
1,400.00	1,387.67	1,518.36	1,490.08	6.90	9.00	-99.68	21.88	-725.58	743.83	728.73	15.10	49.260		
1,500.00	1,486.27	1,600.25	1,568.88	7.31	9.54	-102.07	8.00	-708.14	729.12	713.07	16.06	45.414		
1,600.00	1,584.87	1,675.05	1,640.54	7.73	10.05	-104.48	-7.19	-693.05	718.07	701.03	17.03	42.159		
1,700.00	1,683.47	1,754.09	1,715.84	8.16	10.60	-107.24	-25.93	-678.02	711.23	693.14	18.09	39.321		
1,800.00	1,782.07	1,832.20	1,789.86	8.59	11.16	-110.12	-46.33	-663.71	708.45	689.27	19.17	36.949		
1,813.20	1,795.09	1,842.36	1,799.47	8.65	11.23	-110.50	-49.10	-661.90	708.41	689.09	19.32	36.673 CC, ES		
1,900.00	1,880.67	1,914.09	1,867.05	9.02	11.76	-113.26	-69.54	-649.22	709.95	689.63	20.32	34.940		
2,000.00	1,979.27	1,995.89	1,943.27	9.46	12.40	-116.54	-95.06	-634.07	715.21	693.72	21.49	33.276		
2,100.00	2,077.87	2,072.79	2,013.94	9.90	13.03	-119.77	-121.51	-619.28	724.95	702.32	22.63	32.039		
2,200.00	2,176.47	2,152.28	2,086.22	10.35	13.72	-123.16	-150.72	-603.75	739.41	715.63	23.78	31.099		
2,300.00	2,275.07	2,246.55	2,171.77	10.79	14.56	-127.08	-185.24	-584.36	756.91	731.83	25.08	30.174		
2,400.00	2,373.67	2,335.44	2,252.75	11.24	15.37	-130.59	-217.00	-566.06	777.47	751.19	26.28	29.586		
2,500.00	2,472.27	2,427.30	2,336.66	11.69	16.20	-134.06	-248.66	-546.19	799.78	772.32	27.46	29.123 SF		
2,600.00	2,570.87	2,498.79	2,402.15	12.14	16.85	-136.59	-273.42	-531.76	825.89	797.57	28.32	29.167		
2,700.00	2,669.47	2,586.88	2,483.12	12.59	17.65	-139.51	-303.66	-514.70	854.74	825.40	29.34	29.128		
2,800.00	2,768.07	2,653.82	2,544.11	13.04	18.28	-141.69	-327.69	-501.18	886.67	856.63	30.04	29.516		
2,900.00	2,866.67	2,710.31	2,594.75	13.50	18.84	-143.54	-349.68	-489.24	922.77	892.22	30.54	30.213		
3,000.00	2,965.27	2,767.12	2,644.78	13.95	19.42	-145.40	-373.67	-477.04	963.34	932.34	31.00	31.079		
3,100.00	3,063.87	2,836.91	2,705.73	14.41	20.16	-147.58	-404.18	-462.04	1,007.13	975.48	31.64	31.828		
3,200.00	3,162.47	2,959.66	2,814.68	14.87	21.43	-150.99	-454.64	-436.67	1,050.54	1,017.40	33.14	31.698		
3,300.00	3,261.07	3,030.62	2,878.22	15.32	22.14	-152.76	-482.93	-422.61	1,094.89	1,061.13	33.76	32.430		
3,400.00	3,359.67	3,094.29	2,935.03	15.78	22.79	-154.24	-509.01	-410.48	1,141.53	1,107.28	34.25	33.333		
3,500.00	3,458.27	3,226.56	3,053.78	16.24	24.11	-157.02	-561.76	-385.82	1,188.61	1,152.80	35.81	33.193		
3,600.00	3,556.87	3,342.72	3,160.09	16.70	25.22	-159.17	-603.15	-364.00	1,232.53	1,195.46	37.07	33.250		
3,700.00	3,655.47	3,427.61	3,237.80	17.16	26.03	-160.65	-632.86	-347.14	1,276.66	1,238.81	37.86	33.725		
3,800.00	3,754.06	3,541.75	3,343.12	17.62	27.09	-162.41	-671.65	-326.40	1,320.96	1,281.91	39.04	33.833		
3,900.00	3,852.66	3,613.60	3,409.59	18.08	27.76	-163.46	-695.36	-312.90	1,364.80	1,325.16	39.64	34.426		
4,000.00	3,951.26	3,674.17	3,465.31	18.54	28.33	-164.31	-716.18	-301.50	1,410.42	1,370.33	40.09	35.184		
4,100.00	4,049.86	3,731.00	3,517.24	19.01	28.87	-165.07	-736.77	-291.08	1,458.18	1,417.71	40.47	36.032		
4,200.00	4,148.46	3,862.11	3,637.96	19.47	30.10	-166.65	-782.68	-268.55	1,505.21	1,463.31	41.90	35.926		
4,300.00	4,247.06	3,929.76	3,700.48	19.93	30.72	-167.40	-805.77	-256.94	1,552.08	1,509.64	42.44	36.572		
4,400.00	4,345.66	3,974.03	3,740.99	20.39	31.15	-167.89	-821.82	-249.17	1,601.11	1,558.46	42.65	37.540		
4,500.00	4,444.26	4,026.58	3,788.54	20.86	31.67	-168.46	-842.10	-239.74	1,652.45	1,609.47	42.98	38.451		
4,600.00	4,542.86	4,092.01	3,847.40	21.32	32.33	-169.16	-868.07	-227.75	1,705.14	1,661.65	43.49	39.205		
4,700.00	4,641.46	4,163.50	3,911.46	21.78	33.07	-169.90	-896.94	-214.61	1,758.75	1,714.64	44.11	39.873		
4,800.00	4,740.06	4,277.36	4,013.37	22.25	34.26	-171.05	-942.34	-191.95	1,812.19	1,766.82	45.36	39.948		
4,900.00	4,838.66	4,367.43	4,094.34	22.71	35.20	-171.92	-977.30	-173.66	1,864.94	1,818.67	46.27	40.309		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,431.90	4,152.15	23.18	35.88	-172.51	-1,002.53	-160.31	1,918.22	1,871.42	46.80	40.991		
5,100.00	5,035.86	4,494.81	4,208.26	23.64	36.55	-173.09	-1,027.59	-146.83	1,972.41	1,925.10	47.31	41.693		
5,200.00	5,134.46	4,572.42	4,277.30	24.11	37.39	-173.76	-1,059.11	-130.65	2,027.51	1,979.47	48.04	42.204		
5,300.00	5,233.06	4,648.19	4,344.92	24.57	38.20	-174.37	-1,089.60	-115.17	2,082.48	2,033.73	48.75	42.717		
5,400.00	5,331.66	4,695.01	4,386.40	25.04	38.71	-174.74	-1,108.98	-105.34	2,138.67	2,089.63	49.04	43.614		
5,500.00	5,430.26	4,906.08	4,574.23	25.50	41.00	-176.35	-1,193.14	-58.83	2,194.63	2,142.95	51.68	42.464		
5,600.00	5,528.86	4,995.32	4,655.06	25.97	41.92	-176.97	-1,225.64	-39.47	2,246.80	2,194.23	52.57	42.739		
5,700.00	5,627.46	5,067.00	4,720.22	26.43	42.64	-177.41	-1,251.80	-25.05	2,299.12	2,245.89	53.23	43.195		
5,800.00	5,726.06	5,116.41	4,765.01	26.90	43.15	-177.69	-1,270.30	-15.46	2,352.42	2,298.83	53.58	43.901		
5,900.00	5,824.66	5,767.57	5,380.53	27.36	48.36	-179.76	-1,448.71	83.02	2,396.56	2,336.39	60.17	39.832		
6,000.00	5,923.26	6,086.77	5,696.76	27.83	49.82	-179.37	-1,486.74	101.25	2,424.84	2,362.69	62.15	39.015		
6,100.00	6,021.86	6,351.46	5,961.14	28.30	50.62	-179.26	-1,496.85	106.84	2,444.66	2,381.25	63.41	38.553		
6,200.00	6,120.46	6,517.71	6,127.38	28.76	50.97	-179.29	-1,496.20	105.98	2,460.91	2,396.66	64.25	38.304		
6,300.00	6,219.06	6,657.16	6,266.74	29.23	51.21	-179.36	-1,492.69	102.91	2,474.94	2,409.94	65.00	38.074		
6,405.66	6,323.24	6,752.47	6,361.95	29.72	51.36	-179.44	-1,489.69	99.77	2,489.08	2,423.31	65.77	37.848		
6,450.00	6,366.93	6,762.00	6,371.47	29.93	51.37	-156.21	-1,489.42	99.41	2,495.30	2,429.23	66.07	37.769		
6,500.00	6,415.96	6,800.65	6,410.10	30.15	51.45	-136.26	-1,488.68	98.16	2,502.38	2,435.91	66.46	37.650		
6,550.00	6,464.44	6,823.51	6,432.95	30.37	51.50	-123.31	-1,488.54	97.63	2,509.82	2,442.96	66.86	37.541		
6,600.00	6,512.08	6,853.00	6,462.43	30.58	51.55	-114.94	-1,488.69	97.18	2,517.52	2,450.25	67.27	37.421		
6,650.00	6,558.58	6,911.65	6,521.08	30.78	51.68	-109.52	-1,489.06	96.41	2,525.14	2,457.36	67.77	37.258		
6,700.00	6,603.65	6,959.78	6,569.20	30.97	51.79	-105.71	-1,488.95	95.56	2,532.12	2,463.84	68.28	37.085		
6,750.00	6,647.02	6,985.49	6,594.91	31.15	51.84	-102.72	-1,489.03	95.10	2,539.18	2,470.42	68.76	36.927		
6,800.00	6,688.42	7,009.94	6,619.36	31.31	51.90	-100.39	-1,489.26	94.68	2,546.41	2,477.15	69.26	36.765		
6,850.00	6,727.59	7,030.00	6,639.41	31.46	51.94	-98.48	-1,489.57	94.34	2,553.83	2,484.06	69.77	36.601		
6,900.00	6,764.29	7,053.70	6,663.10	31.60	52.01	-96.95	-1,490.08	94.03	2,561.46	2,491.13	70.33	36.421		
6,950.00	6,798.30	7,073.13	6,682.52	31.73	52.06	-95.61	-1,490.62	93.90	2,569.31	2,498.41	70.90	36.238		
7,000.00	6,829.41	7,091.07	6,700.45	31.84	52.11	-94.43	-1,491.21	93.87	2,577.40	2,505.90	71.50	36.048		
7,050.00	6,857.42	7,107.40	6,716.76	32.03	52.16	-93.37	-1,491.83	93.92	2,585.73	2,513.60	72.13	35.848		
7,100.00	6,882.16	7,125.99	6,735.34	32.36	52.21	-92.46	-1,492.63	94.06	2,594.31	2,521.50	72.81	35.630		
7,150.00	6,903.48	7,186.05	6,795.36	32.73	52.38	-92.51	-1,494.71	93.93	2,602.90	2,529.21	73.69	35.321		
7,200.00	6,921.25	7,200.00	6,799.25	33.15	52.42	-91.50	-1,494.63	93.66	2,611.47	2,537.02	74.45	35.078		
7,250.00	6,935.36	7,248.59	6,857.88	33.61	52.53	-91.71	-1,495.88	92.66	2,620.35	2,544.99	75.37	34.769		
7,300.00	6,945.72	7,264.85	6,874.13	34.11	52.57	-91.08	-1,496.05	92.21	2,629.48	2,553.27	76.21	34.503		
7,350.00	6,952.26	7,273.87	6,883.15	34.65	52.59	-90.32	-1,496.12	91.94	2,638.91	2,561.85	77.06	34.244		
7,403.14	6,955.00	7,275.78	6,885.06	35.26	52.59	-89.39	-1,496.14	91.88	2,649.23	2,571.27	77.97	33.980		
7,500.00	6,955.99	7,272.37	6,881.64	36.49	52.59	-89.32	-1,496.11	91.98	2,670.00	2,590.33	79.67	33.515		
7,600.00	6,957.03	7,269.03	6,878.31	37.93	52.58	-89.24	-1,496.09	92.08	2,694.92	2,613.41	81.51	33.063		
7,700.00	6,958.06	7,265.88	6,875.16	39.52	52.57	-89.17	-1,496.06	92.18	2,723.28	2,639.87	83.41	32.649		
7,800.00	6,959.09	7,262.89	6,872.18	41.25	52.57	-89.11	-1,496.03	92.26	2,754.99	2,669.64	85.35	32.281		
7,900.00	6,960.12	7,260.06	6,869.34	43.09	52.56	-89.05	-1,496.01	92.34	2,789.91	2,702.62	87.29	31.962		
8,000.00	6,961.15	7,257.37	6,866.66	45.04	52.55	-88.99	-1,495.98	92.42	2,827.94	2,738.73	89.22	31.697		
8,100.00	6,962.18	7,254.81	6,864.10	47.08	52.55	-88.93	-1,495.95	92.49	2,868.96	2,777.84	91.12	31.486		
8,200.00	6,963.21	7,252.38	6,861.66	49.20	52.54	-88.88	-1,495.92	92.56	2,912.82	2,819.85	92.97	31.329		
8,300.00	6,964.24	7,250.05	6,859.34	51.39	52.54	-88.82	-1,495.90	92.62	2,959.42	2,864.64	94.78	31.225		
8,400.00	6,965.27	7,247.84	6,857.12	53.64	52.53	-88.78	-1,495.87	92.68	3,008.62	2,912.10	96.52	31.171		
8,500.00	6,966.30	7,245.72	6,855.01	55.95	52.53	-88.73	-1,495.84	92.73	3,060.29	2,962.10	98.19	31.166		
8,600.00	6,967.33	7,243.69	6,852.98	58.30	52.52	-88.68	-1,495.82	92.78	3,114.32	3,014.53	99.80	31.207		
8,700.00	6,968.37	7,241.75	6,851.04	60.70	52.52	-88.64	-1,495.79	92.83	3,170.58	3,069.26	101.33	31.291		
8,800.00	6,969.40	7,239.89	6,849.19	63.14	52.51	-88.60	-1,495.77	92.88	3,228.96	3,126.18	102.78	31.416		
8,900.00	6,970.43	7,238.11	6,847.40	65.60	52.51	-88.56	-1,495.74	92.92	3,289.34	3,185.18	104.16	31.579		
9,000.00	6,971.46	7,236.40	6,845.69	68.10	52.51	-88.52	-1,495.72	92.96	3,351.62	3,246.15	105.47	31.777		
9,100.00	6,972.49	7,234.76	6,844.05	70.63	52.50	-88.49	-1,495.69	93.00	3,415.69	3,308.98	106.71	32.008		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,200.00	6,973.52	7,233.18	6,842.47	73.18	52.50	88.45	-1,495.67	93.04	3,481.45	3,373.57	107.88	32.271		
9,300.00	6,974.55	7,231.66	6,840.95	75.75	52.49	88.42	-1,495.65	93.08	3,548.82	3,439.83	108.99	32.562		
9,400.00	6,975.58	7,230.19	6,839.49	78.34	52.49	88.39	-1,495.62	93.11	3,617.69	3,507.66	110.03	32.879		
9,500.00	6,976.61	7,228.78	6,838.08	80.94	52.49	88.36	-1,495.60	93.14	3,687.98	3,576.97	111.01	33.222		
9,600.00	6,977.64	7,227.42	6,836.72	83.56	52.48	88.33	-1,495.58	93.18	3,759.62	3,647.69	111.93	33.588		
9,700.00	6,978.68	7,226.11	6,835.41	86.20	52.48	88.30	-1,495.56	93.21	3,832.54	3,719.73	112.80	33.975		
9,800.00	6,979.71	7,224.84	6,834.14	88.85	52.48	88.27	-1,495.53	93.23	3,906.65	3,793.02	113.62	34.383		
9,900.00	6,980.74	7,223.62	6,832.92	91.51	52.48	88.24	-1,495.51	93.26	3,981.89	3,867.50	114.39	34.809		
10,000.00	6,981.77	7,222.44	6,831.74	94.19	52.47	88.22	-1,495.49	93.29	4,058.20	3,943.08	115.12	35.253		
10,100.00	6,982.80	7,221.29	6,830.59	96.87	52.47	88.19	-1,495.47	93.31	4,135.52	4,019.72	115.80	35.713		
10,200.00	6,983.83	7,220.19	6,829.49	99.56	52.47	88.17	-1,495.45	93.34	4,213.79	4,097.35	116.44	36.188		
10,300.00	6,984.86	7,219.11	6,828.41	102.27	52.47	88.14	-1,495.44	93.36	4,292.97	4,175.92	117.05	36.677		
10,400.00	6,985.89	7,218.08	6,827.38	104.98	52.46	88.12	-1,495.42	93.38	4,373.00	4,255.38	117.62	37.180		
10,500.00	6,986.92	7,217.07	6,826.37	107.69	52.46	88.10	-1,495.40	93.40	4,453.84	4,335.68	118.15	37.695		
10,600.00	6,987.95	7,216.09	6,825.40	110.41	52.46	88.08	-1,495.38	93.42	4,535.44	4,416.78	118.66	38.222		
10,700.00	6,988.99	7,215.15	6,824.45	113.14	52.46	88.05	-1,495.36	93.44	4,617.76	4,498.63	119.14	38.760		
10,800.00	6,990.02	7,214.23	6,823.53	115.88	52.45	88.03	-1,495.35	93.46	4,700.77	4,581.19	119.59	39.308		
10,900.00	6,991.05	7,213.34	6,822.64	118.62	52.45	88.01	-1,495.33	93.48	4,784.43	4,664.42	120.01	39.866		
11,000.00	6,992.08	7,212.47	6,821.77	121.37	52.45	88.00	-1,495.31	93.50	4,868.71	4,748.29	120.42	40.433		
11,100.00	6,993.11	7,211.63	6,820.93	124.12	52.45	87.98	-1,495.30	93.51	4,953.57	4,832.77	120.80	41.008		
11,200.00	6,994.14	7,210.81	6,820.11	126.87	52.45	87.96	-1,495.28	93.53	5,038.98	4,917.83	121.15	41.591		
11,300.00	6,995.17	7,209.00	6,818.30	129.63	52.44	87.92	-1,495.24	93.56	5,124.93	5,003.44	121.49	42.184		
11,400.00	6,996.20	7,209.00	6,818.30	132.39	52.44	87.92	-1,495.24	93.56	5,211.37	5,089.55	121.82	42.780		
11,500.00	6,997.23	7,209.00	6,818.30	135.16	52.44	87.92	-1,495.24	93.56	5,298.29	5,176.17	122.13	43.384		
11,600.00	6,998.26	7,209.00	6,818.30	137.93	52.44	87.92	-1,495.24	93.56	5,385.67	5,263.25	122.42	43.994		
11,700.00	6,999.30	7,209.00	6,818.30	140.70	52.44	87.92	-1,495.24	93.56	5,473.48	5,350.78	122.70	44.609		
11,800.00	7,000.33	7,209.00	6,818.30	143.48	52.44	87.92	-1,495.24	93.56	5,561.70	5,438.73	122.96	45.231		
11,900.00	7,001.36	7,209.00	6,818.30	146.26	52.44	87.92	-1,495.24	93.56	5,650.31	5,527.09	123.21	45.858		
12,000.00	7,002.39	7,209.00	6,818.30	149.04	52.44	87.92	-1,495.24	93.56	5,739.29	5,615.84	123.45	46.489		
12,100.00	7,003.42	7,209.00	6,818.30	151.82	52.44	87.92	-1,495.24	93.56	5,828.64	5,704.95	123.68	47.126		
12,200.00	7,004.45	7,209.00	6,818.30	154.61	52.44	87.92	-1,495.24	93.56	5,918.32	5,794.42	123.90	47.767		
12,300.00	7,005.48	7,209.00	6,818.30	157.40	52.44	87.92	-1,495.24	93.56	6,008.33	5,884.22	124.11	48.412		
12,400.00	7,006.51	7,209.00	6,818.30	160.19	52.44	87.92	-1,495.24	93.56	6,098.65	5,974.34	124.31	49.061		
12,500.00	7,007.54	7,209.00	6,818.30	162.98	52.44	87.92	-1,495.24	93.56	6,189.27	6,064.77	124.50	49.714		
12,600.00	7,008.57	7,209.00	6,818.30	165.78	52.44	87.92	-1,495.24	93.56	6,280.17	6,155.49	124.68	50.371		
12,700.00	7,009.61	7,209.00	6,818.30	168.58	52.44	87.92	-1,495.24	93.56	6,371.35	6,246.50	124.85	51.030		
12,800.00	7,010.64	7,209.00	6,818.30	171.38	52.44	87.92	-1,495.24	93.56	6,462.79	6,337.77	125.02	51.694		
12,900.00	7,011.67	7,209.00	6,818.30	174.18	52.44	87.92	-1,495.24	93.56	6,554.47	6,429.29	125.18	52.360		
13,000.00	7,012.70	7,209.00	6,818.30	176.98	52.44	87.92	-1,495.24	93.56	6,646.40	6,521.07	125.34	53.029		
13,100.00	7,013.73	7,209.00	6,818.30	179.78	52.44	87.92	-1,495.24	93.56	6,738.56	6,613.07	125.48	53.701		
13,200.00	7,014.76	7,209.00	6,818.30	182.59	52.44	87.92	-1,495.24	93.56	6,830.94	6,705.31	125.63	54.375		
13,300.00	7,015.79	7,209.00	6,818.30	185.39	52.44	87.92	-1,495.24	93.56	6,923.53	6,797.76	125.76	55.052		
13,400.00	7,016.82	7,209.00	6,818.30	188.20	52.44	87.92	-1,495.24	93.56	7,016.32	6,890.42	125.90	55.731		
13,500.00	7,017.85	7,209.00	6,818.30	191.01	52.44	87.92	-1,495.24	93.56	7,109.31	6,983.28	126.02	56.412		
13,600.00	7,018.88	7,209.00	6,818.30	193.82	52.44	87.92	-1,495.24	93.56	7,202.48	7,076.33	126.15	57.096		
13,700.00	7,019.91	7,209.00	6,818.30	196.63	52.44	87.92	-1,495.24	93.56	7,295.84	7,169.57	126.27	57.781		
13,800.00	7,020.95	7,209.00	6,818.30	199.44	52.44	87.92	-1,495.24	93.56	7,389.37	7,262.99	126.38	58.468		
13,900.00	7,021.98	7,209.00	6,818.30	202.26	52.44	87.92	-1,495.24	93.56	7,483.07	7,356.57	126.49	59.157		
14,000.00	7,023.01	7,209.00	6,818.30	205.07	52.44	87.92	-1,495.24	93.56	7,576.93	7,450.32	126.60	59.848		
14,100.00	7,024.04	7,209.00	6,818.30	207.89	52.44	87.92	-1,495.24	93.56	7,670.94	7,544.23	126.71	60.540		
14,200.00	7,025.07	7,209.00	6,818.30	210.70	52.44	87.92	-1,495.24	93.56	7,765.10	7,638.29	126.81	61.234		
14,300.00	7,026.10	7,209.00	6,818.30	213.52	52.44	87.92	-1,495.24	93.56	7,859.41	7,732.50	126.91	61.929		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,400.00	7,027.13	7,209.00	6,818.30	216.34	52.44	87.92	-1,495.24	93.56	7,953.86	7,826.85	127.01	62.625		
14,500.00	7,028.16	7,209.00	6,818.30	219.16	52.44	87.92	-1,495.24	93.56	8,048.44	7,921.34	127.10	63.322		
14,600.00	7,029.19	7,209.00	6,818.30	221.98	52.44	87.92	-1,495.24	93.56	8,143.15	8,015.96	127.19	64.021		
14,700.00	7,030.22	7,209.00	6,818.30	224.80	52.44	87.92	-1,495.24	93.56	8,237.99	8,110.70	127.28	64.721		
14,800.00	7,031.26	7,209.00	6,818.30	227.62	52.44	87.92	-1,495.24	93.56	8,332.94	8,205.57	127.37	65.422		
14,900.00	7,032.29	7,209.00	6,818.30	230.44	52.44	87.92	-1,495.24	93.56	8,428.02	8,300.56	127.46	66.123		
15,000.00	7,033.32	7,209.00	6,818.30	233.26	52.44	87.92	-1,495.24	93.56	8,523.20	8,395.66	127.54	66.826		
15,100.00	7,034.35	7,209.00	6,818.30	236.09	52.44	87.92	-1,495.24	93.56	8,618.50	8,490.87	127.63	67.530		
15,200.00	7,035.38	7,209.00	6,818.30	238.91	52.44	87.92	-1,495.24	93.56	8,713.90	8,586.19	127.71	68.234		
15,300.00	7,036.41	7,209.00	6,818.30	241.74	52.44	87.92	-1,495.24	93.56	8,809.40	8,681.61	127.79	68.939		
15,400.00	7,037.44	7,209.00	6,818.30	244.56	52.44	87.92	-1,495.24	93.56	8,905.00	8,777.14	127.86	69.644		
15,500.00	7,038.47	7,209.00	6,818.30	247.39	52.44	87.92	-1,495.24	93.56	9,000.70	8,872.76	127.94	70.351		
15,600.00	7,039.50	7,209.00	6,818.30	250.21	52.44	87.92	-1,495.24	93.56	9,096.49	8,968.47	128.02	71.057		
15,700.00	7,040.53	7,209.00	6,818.30	253.04	52.44	87.92	-1,495.24	93.56	9,192.37	9,064.28	128.09	71.765		
15,800.00	7,041.57	7,209.00	6,818.30	255.87	52.44	87.92	-1,495.24	93.56	9,288.33	9,160.17	128.16	72.472		
15,900.00	7,042.60	7,209.00	6,818.30	258.70	52.44	87.92	-1,495.24	93.56	9,384.38	9,256.15	128.24	73.181		
16,000.00	7,043.63	7,209.00	6,818.30	261.53	52.44	87.92	-1,495.24	93.56	9,480.51	9,352.21	128.31	73.889		
16,100.00	7,044.66	7,209.00	6,818.30	264.35	52.44	87.92	-1,495.24	93.56	9,576.72	9,448.35	128.38	74.598		
16,200.00	7,045.69	7,209.00	6,818.30	267.18	52.44	87.92	-1,495.24	93.56	9,673.01	9,544.57	128.45	75.307		
16,300.00	7,046.72	7,209.00	6,818.30	270.01	52.44	87.92	-1,495.24	93.56	9,769.38	9,640.86	128.52	76.017		
16,400.00	7,047.75	7,209.00	6,818.30	272.84	52.44	87.92	-1,495.24	93.56	9,865.81	9,737.23	128.58	76.727		
16,500.00	7,048.78	7,209.00	6,818.30	275.67	52.44	87.92	-1,495.24	93.56	9,962.32	9,833.66	128.65	77.437		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-79.94	168.32	-948.41	963.94					
100.00	100.00	60.83	60.83	3.28	3.29	-79.93	168.37	-948.45	963.29	956.71	6.57	146.553		
200.00	200.00	156.21	156.21	3.34	3.34	-79.92	168.74	-948.84	963.75	957.07	6.68	144.244		
300.00	299.98	253.52	253.52	3.45	3.45	-77.07	169.47	-949.55	964.21	957.31	6.90	139.784		
400.00	399.84	349.95	349.93	3.61	3.61	-77.32	170.38	-950.55	964.23	957.02	7.21	133.719		
500.00	499.45	453.75	453.72	3.82	3.82	-77.81	171.38	-951.53	963.44	955.81	7.63	126.346		
600.00	598.70	552.58	552.55	4.07	4.06	-78.51	172.13	-952.32	961.84	953.73	8.11	118.620		
680.00	677.76	630.91	630.87	4.29	4.27	-79.20	172.86	-953.01	960.26	951.72	8.54	112.429		
700.00	697.48	650.79	650.75	4.35	4.33	-79.39	173.00	-953.20	959.84	951.18	8.66	110.896		
800.00	796.08	747.84	747.79	4.66	4.61	-80.36	172.83	-954.23	957.91	948.66	9.25	103.561		
900.00	894.68	846.89	846.83	4.98	4.91	-81.42	171.48	-955.59	956.47	946.58	9.89	96.719		
1,000.00	993.28	949.94	949.82	5.34	5.24	-82.63	168.38	-956.65	954.89	944.32	10.57	90.301		
1,100.00	1,091.88	1,046.61	1,046.27	5.71	5.57	-83.98	161.97	-957.83	953.71	942.44	11.27	84.609		
1,160.34	1,151.37	1,100.26	1,099.78	5.94	5.76	-84.73	158.21	-958.61	953.40	941.71	11.69	81.546 CC		
1,200.00	1,190.48	1,133.84	1,133.25	6.10	5.88	-85.22	155.63	-959.31	953.55	941.58	11.97	79.687 ES		
1,300.00	1,289.07	1,215.35	1,214.39	6.49	6.18	-86.47	148.29	-961.85	955.35	942.69	12.66	75.440		
1,400.00	1,387.67	1,295.58	1,293.96	6.90	6.49	-87.83	138.80	-965.70	959.51	946.13	13.38	71.735		
1,500.00	1,486.27	1,395.27	1,392.39	7.31	6.91	-89.66	124.08	-971.40	965.56	951.37	14.19	68.039		
1,600.00	1,584.87	1,517.04	1,512.30	7.73	7.44	-92.04	103.34	-975.67	970.71	955.58	15.13	64.140		
1,700.00	1,683.47	1,596.10	1,589.89	8.16	7.80	-93.65	88.39	-977.82	976.44	960.53	15.91	61.390		
1,800.00	1,782.07	1,680.59	1,672.35	8.59	8.21	-95.48	70.17	-980.70	984.45	967.73	16.72	58.878		
1,900.00	1,880.67	1,801.64	1,789.66	9.02	8.85	-98.27	40.45	-982.78	992.89	975.13	17.77	55.882		
2,000.00	1,979.27	1,897.40	1,881.76	9.46	9.38	-100.60	14.26	-982.03	1,001.35	982.65	18.70	53.540		
2,100.00	2,077.87	1,981.11	1,961.66	9.90	9.87	-102.73	-10.64	-980.81	1,011.67	992.08	19.58	51.657		
2,200.00	2,176.47	2,055.88	2,032.38	10.35	10.34	-104.70	-34.92	-979.86	1,024.88	1,004.47	20.41	50.208		
2,300.00	2,275.07	2,126.60	2,098.54	10.79	10.82	-106.62	-59.88	-979.26	1,041.46	1,020.25	21.21	49.104		
2,400.00	2,373.67	2,181.21	2,149.10	11.24	11.21	-108.12	-80.51	-979.45	1,062.10	1,040.25	21.86	48.596		
2,500.00	2,472.27	2,237.08	2,200.31	11.69	11.63	-109.66	-102.78	-980.95	1,087.45	1,064.98	22.47	48.388		
2,600.00	2,570.87	2,306.69	2,263.58	12.14	12.18	-111.57	-131.70	-983.44	1,116.39	1,093.18	23.20	48.111		
2,700.00	2,669.47	2,393.32	2,341.91	12.59	12.89	-113.89	-168.59	-986.41	1,147.73	1,123.63	24.11	47.608		
2,800.00	2,768.07	2,460.35	2,402.46	13.04	13.45	-115.61	-197.22	-988.94	1,181.33	1,156.54	24.78	47.666		
2,900.00	2,866.67	2,533.41	2,468.46	13.50	14.08	-117.39	-228.31	-992.83	1,217.63	1,192.12	25.51	47.734		
3,000.00	2,965.27	2,610.71	2,538.28	13.95	14.75	-119.17	-261.17	-997.39	1,255.82	1,229.55	26.27	47.807		
3,100.00	3,063.87	2,683.75	2,604.21	14.41	15.40	-120.78	-292.28	-1,002.05	1,295.79	1,268.82	26.97	48.050		
3,200.00	3,162.47	2,750.00	2,663.78	14.87	16.00	-122.17	-320.86	-1,006.82	1,337.87	1,310.30	27.57	48.523		
3,300.00	3,261.07	2,841.54	2,746.06	15.32	16.83	-123.99	-360.38	-1,013.65	1,381.27	1,352.78	28.48	48.494		
3,400.00	3,359.67	2,936.10	2,831.41	15.78	17.70	-125.76	-400.55	-1,020.32	1,425.00	1,395.58	29.43	48.428		
3,500.00	3,458.27	3,014.96	2,902.57	16.24	18.43	-127.17	-434.15	-1,025.47	1,469.46	1,439.29	30.17	48.704		
3,600.00	3,556.87	3,132.06	3,008.72	16.70	19.50	-129.12	-483.08	-1,032.51	1,513.95	1,482.57	31.38	48.247		
3,700.00	3,655.47	3,232.58	3,100.73	17.16	20.41	-130.68	-523.23	-1,037.45	1,557.25	1,524.87	32.38	48.099		
3,800.00	3,754.06	3,316.74	3,177.55	17.62	21.17	-131.94	-557.45	-1,041.06	1,601.48	1,568.30	33.17	48.278		
3,900.00	3,852.66	3,419.11	3,271.55	18.08	22.09	-133.37	-597.74	-1,045.47	1,645.42	1,611.24	34.18	48.136		
4,000.00	3,951.26	3,497.83	3,343.88	18.54	22.80	-134.41	-628.65	-1,048.50	1,689.71	1,654.80	34.91	48.399		
4,100.00	4,049.86	3,580.66	3,419.80	19.01	23.55	-135.47	-661.58	-1,051.93	1,735.04	1,699.35	35.69	48.615		
4,200.00	4,148.46	3,678.94	3,510.23	19.47	24.44	-136.65	-699.86	-1,055.78	1,780.16	1,743.52	36.65	48.577		
4,300.00	4,247.06	3,747.95	3,573.79	19.93	25.06	-137.44	-726.62	-1,058.64	1,825.79	1,788.53	37.26	49.003		
4,400.00	4,345.66	3,796.18	3,617.95	20.39	25.50	-137.97	-745.85	-1,061.17	1,873.18	1,835.56	37.62	49.791		
4,500.00	4,444.26	3,859.20	3,675.23	20.86	26.10	-138.64	-771.81	-1,065.07	1,922.36	1,884.20	38.16	50.377		
4,600.00	4,542.86	3,935.03	3,743.90	21.32	26.82	-139.44	-803.71	-1,069.26	1,972.33	1,933.47	38.86	50.758		
4,700.00	4,641.46	4,013.76	3,815.01	21.78	27.58	-140.25	-837.26	-1,073.31	2,022.91	1,983.32	39.60	51.089		
4,800.00	4,740.06	4,106.28	3,898.53	22.25	28.48	-141.18	-876.85	-1,077.41	2,073.69	2,033.18	40.51	51.193		
4,900.00	4,838.66	4,229.45	4,010.28	22.71	29.65	-142.34	-928.39	-1,082.64	2,124.06	2,082.27	41.79	50.828		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,312.46	4,086.08	23.18	30.44	-143.08	-962.09	-1,085.44	2,173.29	2,130.71	42.58	51.041		
5,100.00	5,035.86	4,391.96	4,158.36	23.64	31.19	-143.77	-995.10	-1,087.99	2,223.47	2,180.14	43.33	51.316		
5,200.00	5,134.46	4,493.67	4,251.18	24.11	32.15	-144.61	-1,036.56	-1,091.19	2,273.27	2,228.92	44.34	51.265		
5,300.00	5,233.06	4,599.92	4,348.68	24.57	33.14	-145.40	-1,078.53	-1,095.81	2,322.82	2,277.42	45.40	51.160		
5,400.00	5,331.66	4,762.67	4,499.78	25.04	34.57	-146.41	-1,138.20	-1,105.31	2,371.01	2,323.94	47.07	50.373		
5,500.00	5,430.26	4,934.62	4,661.85	25.50	35.98	-147.35	-1,194.90	-1,114.37	2,415.77	2,367.01	48.76	49.549		
5,600.00	5,528.86	5,076.43	4,796.74	25.97	37.09	-148.07	-1,238.24	-1,120.43	2,458.35	2,408.26	50.09	49.081		
5,700.00	5,627.46	5,244.82	4,958.22	26.43	38.34	-148.85	-1,285.54	-1,126.76	2,498.85	2,447.23	51.62	48.409		
5,800.00	5,726.06	5,467.30	5,174.22	26.90	39.81	-149.72	-1,338.13	-1,134.60	2,535.54	2,482.06	53.48	47.407		
5,900.00	5,824.66	5,700.59	5,403.59	27.36	41.13	-150.45	-1,379.81	-1,142.29	2,567.12	2,511.89	55.23	46.481		
6,000.00	5,923.26	5,965.79	5,666.79	27.83	42.37	-151.15	-1,411.43	-1,147.96	2,593.20	2,536.29	56.91	45.567		
6,100.00	6,021.86	6,054.39	5,755.02	28.30	42.74	-151.36	-1,419.48	-1,148.98	2,616.46	2,558.78	57.68	45.364		
6,200.00	6,120.46	6,168.09	5,868.29	28.76	43.21	-151.63	-1,429.22	-1,150.54	2,639.38	2,580.82	58.56	45.075		
6,300.00	6,219.06	6,262.52	5,962.39	29.23	43.59	-151.82	-1,436.78	-1,152.72	2,662.24	2,602.89	59.35	44.858		
6,405.66	6,323.24	6,424.45	6,123.86	29.72	44.21	-152.09	-1,447.69	-1,157.84	2,685.76	2,625.33	60.44	44.440		
6,450.00	6,366.93	6,500.70	6,200.00	29.93	44.48	-175.63	-1,451.23	-1,160.08	2,695.36	2,634.45	60.91	44.250		
6,500.00	6,415.96	6,597.62	6,296.83	30.15	44.80	164.06	-1,454.20	-1,162.75	2,706.95	2,645.47	61.48	44.033		
6,550.00	6,464.44	6,678.40	6,377.57	30.37	45.04	150.82	-1,455.25	-1,165.24	2,719.39	2,657.41	61.97	43.879		
6,600.00	6,512.08	6,754.05	6,453.16	30.58	45.24	142.13	-1,455.14	-1,167.87	2,732.79	2,670.33	62.45	43.758		
6,650.00	6,558.58	6,821.31	6,520.37	30.78	45.41	136.06	-1,454.28	-1,170.40	2,747.23	2,684.32	62.91	43.669		
6,700.00	6,603.65	6,905.58	6,604.57	30.97	45.60	131.71	-1,452.28	-1,173.49	2,762.70	2,699.30	63.40	43.575		
6,750.00	6,647.02	6,961.12	6,660.04	31.15	45.73	128.11	-1,450.34	-1,175.21	2,779.00	2,715.16	63.84	43.531 SF		
6,800.00	6,688.42	6,991.31	6,690.21	31.31	45.80	124.83	-1,449.47	-1,175.90	2,796.81	2,732.57	64.24	43.539		
6,850.00	6,727.59	7,020.02	6,718.91	31.46	45.86	121.85	-1,448.85	-1,176.37	2,816.12	2,751.48	64.64	43.569		
6,900.00	6,764.29	7,043.45	6,742.34	31.60	45.92	118.99	-1,448.52	-1,176.62	2,836.87	2,771.84	65.03	43.621		
6,950.00	6,798.30	7,063.60	6,762.49	31.73	45.98	116.18	-1,448.40	-1,176.72	2,859.01	2,793.58	65.43	43.693		
7,000.00	6,829.41	7,082.18	6,781.06	31.84	46.03	113.38	-1,448.43	-1,176.73	2,882.44	2,816.61	65.84	43.781		
7,050.00	6,857.42	7,099.06	6,797.94	32.03	46.08	110.56	-1,448.58	-1,176.67	2,907.04	2,840.79	66.25	43.880		
7,100.00	6,882.16	7,119.00	6,817.88	32.36	46.13	107.78	-1,448.90	-1,176.50	2,932.69	2,866.00	66.68	43.980		
7,150.00	6,903.48	7,135.33	6,834.21	32.73	46.18	104.91	-1,449.21	-1,176.33	2,959.21	2,892.08	67.13	44.084		
7,200.00	6,921.25	7,156.99	6,855.86	33.15	46.25	102.14	-1,449.59	-1,176.13	2,986.44	2,918.83	67.60	44.175		
7,250.00	6,935.36	7,174.23	6,873.10	33.61	46.30	99.26	-1,449.87	-1,175.98	3,014.26	2,946.17	68.08	44.272		
7,300.00	6,945.72	7,186.96	6,885.83	34.11	46.34	96.30	-1,450.05	-1,175.87	3,042.54	2,973.98	68.57	44.374		
7,350.00	6,952.26	7,195.15	6,894.01	34.65	46.37	93.25	-1,450.17	-1,175.81	3,071.16	3,002.12	69.04	44.482		
7,403.14	6,955.00	7,198.82	6,897.69	35.26	46.38	89.96	-1,450.21	-1,175.78	3,101.77	3,032.23	69.54	44.603		
7,500.00	6,955.99	7,200.81	6,899.68	36.49	46.38	90.00	-1,450.24	-1,175.77	3,158.61	3,088.13	70.48	44.814		
7,600.00	6,957.03	7,202.84	6,901.71	37.93	46.39	90.05	-1,450.27	-1,175.76	3,219.30	3,147.78	71.52	45.013		
7,700.00	6,958.06	7,204.85	6,903.72	39.52	46.40	90.09	-1,450.29	-1,175.74	3,281.91	3,209.30	72.60	45.202		
7,800.00	6,959.09	7,206.85	6,905.71	41.25	46.40	90.14	-1,450.31	-1,175.73	3,346.33	3,272.61	73.72	45.391		
7,900.00	6,960.12	7,208.82	6,907.69	43.09	46.41	90.18	-1,450.34	-1,175.71	3,412.47	3,337.61	74.86	45.585		
8,000.00	6,961.15	7,210.78	6,909.64	45.04	46.41	90.23	-1,450.36	-1,175.70	3,480.23	3,404.23	76.00	45.790		
8,100.00	6,962.18	7,212.71	6,911.58	47.08	46.42	90.27	-1,450.39	-1,175.69	3,549.51	3,472.36	77.15	46.008		
8,200.00	6,963.21	7,214.63	6,913.50	49.20	46.43	90.32	-1,450.41	-1,175.67	3,620.23	3,541.94	78.29	46.244		
8,300.00	6,964.24	7,216.54	6,915.40	51.39	46.43	90.36	-1,450.43	-1,175.66	3,692.30	3,612.89	79.41	46.498		
8,400.00	6,965.27	7,218.42	6,917.29	53.64	46.44	90.40	-1,450.45	-1,175.65	3,765.64	3,685.13	80.51	46.772		
8,500.00	6,966.30	7,220.29	6,919.15	55.95	46.44	90.44	-1,450.47	-1,175.64	3,840.19	3,758.60	81.59	47.066		
8,600.00	6,967.33	7,222.14	6,921.00	58.30	46.45	90.48	-1,450.49	-1,175.63	3,915.87	3,833.22	82.65	47.381		
8,700.00	6,968.37	7,208.00	6,906.87	60.70	46.41	90.17	-1,450.33	-1,175.72	3,992.65	3,909.04	83.61	47.751		
8,800.00	6,969.40	7,208.00	6,906.87	63.14	46.41	90.17	-1,450.33	-1,175.72	4,070.42	3,985.81	84.61	48.109		
8,900.00	6,970.43	7,208.00	6,906.87	65.60	46.41	90.17	-1,450.33	-1,175.72	4,149.13	4,063.56	85.57	48.486		
9,000.00	6,971.46	7,208.00	6,906.87	68.10	46.41	90.17	-1,450.33	-1,175.72	4,228.75	4,142.24	86.51	48.882		
9,100.00	6,972.49	7,208.00	6,906.87	70.63	46.41	90.17	-1,450.33	-1,175.72	4,309.22	4,221.80	87.42	49.296		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,200.00	6,973.52	7,208.00	6,906.87	73.18	46.41	90.17	-1,450.33	-1,175.72	4,390.49	4,302.20	88.29	49.726		
9,300.00	6,974.55	7,208.00	6,906.87	75.75	46.41	90.17	-1,450.33	-1,175.72	4,472.52	4,383.38	89.14	50.172		
9,400.00	6,975.58	7,208.00	6,906.87	78.34	46.41	90.17	-1,450.33	-1,175.72	4,555.27	4,465.31	89.96	50.634		
9,500.00	6,976.61	7,208.00	6,906.87	80.94	46.41	90.17	-1,450.33	-1,175.72	4,638.70	4,547.94	90.76	51.111		
9,600.00	6,977.64	7,208.00	6,906.87	83.56	46.41	90.17	-1,450.33	-1,175.72	4,722.77	4,631.24	91.52	51.601		
9,700.00	6,978.68	7,208.00	6,906.87	86.20	46.41	90.17	-1,450.33	-1,175.72	4,807.45	4,715.18	92.27	52.104		
9,800.00	6,979.71	7,208.00	6,906.87	88.85	46.41	90.17	-1,450.33	-1,175.72	4,892.71	4,799.73	92.98	52.620		
9,900.00	6,980.74	7,225.64	6,924.50	91.51	46.46	90.56	-1,450.53	-1,175.64	4,978.46	4,884.72	93.74	53.109		
10,000.00	6,981.77	7,226.23	6,925.10	94.19	46.46	90.58	-1,450.53	-1,175.64	5,064.78	4,970.37	94.41	53.646		
10,100.00	6,982.80	7,226.81	6,925.68	96.87	46.46	90.59	-1,450.54	-1,175.64	5,151.60	5,056.54	95.06	54.193		
10,200.00	6,983.83	7,227.38	6,926.24	99.56	46.46	90.60	-1,450.55	-1,175.64	5,238.89	5,143.20	95.69	54.751		
10,300.00	6,984.86	7,227.93	6,926.79	102.27	46.46	90.62	-1,450.55	-1,175.64	5,326.63	5,230.33	96.29	55.318		
10,400.00	6,985.89	7,228.46	6,927.33	104.98	46.47	90.63	-1,450.56	-1,175.64	5,414.79	5,317.91	96.88	55.893		
10,500.00	6,986.92	7,228.98	6,927.84	107.69	46.47	90.64	-1,450.56	-1,175.64	5,503.35	5,405.91	97.44	56.477		
10,600.00	6,987.95	7,229.48	6,928.35	110.41	46.47	90.65	-1,450.57	-1,175.64	5,592.30	5,494.31	97.99	57.069		
10,700.00	6,988.99	7,229.98	6,928.84	113.14	46.47	90.66	-1,450.57	-1,175.64	5,681.62	5,583.10	98.52	57.668		
10,800.00	6,990.02	7,230.45	6,929.32	115.88	46.47	90.67	-1,450.58	-1,175.64	5,771.29	5,672.26	99.04	58.274		
10,900.00	6,991.05	7,230.92	6,929.79	118.62	46.47	90.68	-1,450.58	-1,175.64	5,861.30	5,761.76	99.53	58.887		
11,000.00	6,992.08	7,231.38	6,930.24	121.37	46.47	90.69	-1,450.59	-1,175.64	5,951.62	5,851.60	100.02	59.506		
11,100.00	6,993.11	7,231.82	6,930.69	124.12	46.48	90.70	-1,450.59	-1,175.64	6,042.25	5,941.76	100.48	60.131		
11,200.00	6,994.14	7,232.25	6,931.12	126.87	46.48	90.71	-1,450.59	-1,175.64	6,133.16	6,032.23	100.94	60.762		
11,300.00	6,995.17	7,232.68	6,931.54	129.63	46.48	90.72	-1,450.60	-1,175.64	6,224.36	6,122.98	101.38	61.398		
11,400.00	6,996.20	7,233.09	6,931.96	132.39	46.48	90.73	-1,450.60	-1,175.64	6,315.82	6,214.02	101.80	62.039		
11,500.00	6,997.23	7,233.49	6,932.36	135.16	46.48	90.74	-1,450.61	-1,175.64	6,407.54	6,305.32	102.22	62.685		
11,600.00	6,998.26	7,233.88	6,932.75	137.93	46.48	90.75	-1,450.61	-1,175.64	6,499.50	6,396.88	102.62	63.335		
11,700.00	6,999.30	7,234.27	6,933.13	140.70	46.48	90.76	-1,450.61	-1,175.64	6,591.70	6,488.69	103.01	63.990		
11,800.00	7,000.33	7,234.64	6,933.51	143.48	46.48	90.77	-1,450.62	-1,175.64	6,684.12	6,580.73	103.39	64.649		
11,900.00	7,001.36	7,235.01	6,933.88	146.26	46.49	90.78	-1,450.62	-1,175.64	6,776.76	6,673.00	103.76	65.311		
12,000.00	7,002.39	7,235.37	6,934.24	149.04	46.49	90.78	-1,450.62	-1,175.64	6,869.60	6,765.48	104.12	65.977		
12,100.00	7,003.42	7,235.72	6,934.59	151.82	46.49	90.79	-1,450.63	-1,175.64	6,962.64	6,858.17	104.47	66.647		
12,200.00	7,004.45	7,236.06	6,934.93	154.61	46.49	90.80	-1,450.63	-1,175.64	7,055.87	6,951.06	104.81	67.319		
12,300.00	7,005.48	7,236.40	6,935.26	157.40	46.49	90.81	-1,450.63	-1,175.64	7,149.29	7,044.14	105.14	67.995		
12,400.00	7,006.51	7,236.73	6,935.59	160.19	46.49	90.81	-1,450.64	-1,175.64	7,242.88	7,137.41	105.47	68.674		
12,500.00	7,007.54	7,237.05	6,935.91	162.98	46.49	90.82	-1,450.64	-1,175.64	7,336.63	7,230.85	105.78	69.355		
12,600.00	7,008.57	7,237.36	6,936.23	165.78	46.49	90.83	-1,450.64	-1,175.64	7,430.56	7,324.47	106.09	70.039		
12,700.00	7,009.61	7,237.67	6,936.54	168.58	46.49	90.84	-1,450.64	-1,175.64	7,524.63	7,418.24	106.39	70.726		
12,800.00	7,010.64	7,237.97	6,936.84	171.38	46.49	90.84	-1,450.65	-1,175.64	7,618.86	7,512.18	106.68	71.415		
12,900.00	7,011.67	7,238.27	6,937.13	174.18	46.50	90.85	-1,450.65	-1,175.64	7,713.24	7,606.27	106.97	72.106		
13,000.00	7,012.70	7,238.56	6,937.42	176.98	46.50	90.86	-1,450.65	-1,175.64	7,807.75	7,700.50	107.25	72.799		
13,100.00	7,013.73	7,238.84	6,937.71	179.78	46.50	90.86	-1,450.66	-1,175.64	7,902.40	7,794.88	107.52	73.494		
13,200.00	7,014.76	7,239.12	6,937.99	182.59	46.50	90.87	-1,450.66	-1,175.64	7,997.18	7,889.39	107.79	74.191		
13,300.00	7,015.79	7,239.39	6,938.26	185.39	46.50	90.87	-1,450.66	-1,175.65	8,092.09	7,984.03	108.05	74.889		
13,400.00	7,016.82	7,239.66	6,938.53	188.20	46.50	90.88	-1,450.66	-1,175.65	8,187.11	8,078.80	108.31	75.590		
13,500.00	7,017.85	7,239.92	6,938.79	191.01	46.50	90.89	-1,450.67	-1,175.65	8,282.26	8,173.70	108.56	76.291		
13,600.00	7,018.88	7,240.18	6,939.05	193.82	46.50	90.89	-1,450.67	-1,175.65	8,377.51	8,268.71	108.81	76.995		
13,700.00	7,019.91	7,240.43	6,939.30	196.63	46.50	90.90	-1,450.67	-1,175.65	8,472.88	8,363.83	109.05	77.699		
13,800.00	7,020.95	7,240.68	6,939.55	199.44	46.50	90.90	-1,450.67	-1,175.65	8,568.35	8,459.07	109.28	78.405		
13,900.00	7,021.98	7,240.92	6,939.79	202.26	46.50	90.91	-1,450.67	-1,175.65	8,663.92	8,554.41	109.51	79.112		
14,000.00	7,023.01	7,241.16	6,940.03	205.07	46.50	90.91	-1,450.68	-1,175.65	8,759.60	8,649.86	109.74	79.821		
14,100.00	7,024.04	7,241.40	6,940.26	207.89	46.50	90.92	-1,450.68	-1,175.65	8,855.36	8,745.40	109.96	80.530		
14,200.00	7,025.07	7,241.63	6,940.49	210.70	46.51	90.93	-1,450.68	-1,175.65	8,951.23	8,841.04	110.18	81.240		
14,300.00	7,026.10	7,241.85	6,940.72	213.52	46.51	90.93	-1,450.68	-1,175.65	9,047.18	8,936.78	110.40	81.951		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	
14,400.00	7,027.13	7,242.08	6,940.94	216.34	46.51	90.94	-1,450.68	-1,175.65	9,143.21	9,032.61	110.61	82.664	
14,500.00	7,028.16	7,242.29	6,941.16	219.16	46.51	90.94	-1,450.69	-1,175.65	9,239.33	9,128.52	110.81	83.376	
14,600.00	7,029.19	7,242.51	6,941.37	221.98	46.51	90.95	-1,450.69	-1,175.65	9,335.54	9,224.52	111.02	84.090	
14,700.00	7,030.22	7,242.72	6,941.59	224.80	46.51	90.95	-1,450.69	-1,175.65	9,431.82	9,320.60	111.22	84.804	
14,800.00	7,031.26	7,242.93	6,941.79	227.62	46.51	90.95	-1,450.69	-1,175.66	9,528.18	9,416.76	111.42	85.519	
14,900.00	7,032.29	7,243.13	6,942.00	230.44	46.51	90.96	-1,450.69	-1,175.66	9,624.61	9,513.00	111.61	86.235	
15,000.00	7,033.32	7,243.33	6,942.20	233.26	46.51	90.96	-1,450.70	-1,175.66	9,721.11	9,609.31	111.80	86.951	
15,100.00	7,034.35	7,243.53	6,942.39	236.09	46.51	90.97	-1,450.70	-1,175.66	9,817.69	9,705.70	111.99	87.667	
15,200.00	7,035.38	7,243.72	6,942.59	238.91	46.51	90.97	-1,450.70	-1,175.66	9,914.33	9,802.16	112.17	88.384	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-76.68	229.17	-967.89	995.38					
100.00	100.00	59.89	59.89	3.28	3.29	-76.68	229.17	-967.94	994.70	988.13	6.57	151.340		
200.00	200.00	155.31	155.31	3.34	3.34	-76.68	229.23	-968.36	995.15	988.46	6.68	148.961		
300.00	299.98	259.26	259.25	3.45	3.46	-73.83	230.32	-968.63	995.15	988.25	6.90	144.175		
400.00	399.84	353.64	353.57	3.61	3.61	-73.93	233.61	-968.46	994.32	987.11	7.21	137.900		
500.00	499.45	453.13	452.82	3.82	3.81	-74.05	240.42	-967.71	992.73	985.11	7.62	130.310		
600.00	598.70	549.05	548.16	4.07	4.05	-74.14	250.78	-966.35	990.44	982.33	8.11	122.191		
680.00	677.76	624.67	622.99	4.29	4.28	-74.20	261.56	-964.98	988.23	979.68	8.55	115.557		
700.00	697.48	642.58	640.67	4.35	4.34	-74.20	264.41	-964.65	987.68	979.01	8.67	113.927		
800.00	796.08	734.50	731.16	4.66	4.66	-74.13	280.46	-963.20	985.50	976.19	9.30	105.911		
900.00	894.68	831.29	826.20	4.98	5.04	-73.98	298.73	-961.83	983.80	973.78	10.02	98.172		
1,000.00	993.28	938.06	930.71	5.34	5.51	-73.71	320.51	-959.68	981.90	971.06	10.84	90.567		
1,100.00	1,091.88	1,038.23	1,028.21	5.71	5.99	-73.30	343.24	-956.70	979.64	967.94	11.70	83.750		
1,200.00	1,190.48	1,134.88	1,121.57	6.10	6.51	-72.74	367.97	-953.27	977.61	965.01	12.60	77.613		
1,300.00	1,289.07	1,220.49	1,203.51	6.49	7.01	-72.08	392.56	-950.18	976.46	962.97	13.49	72.377		
1,314.07	1,302.95	1,232.12	1,214.58	6.55	7.08	-71.98	396.14	-949.80	976.44	962.82	13.62	71.706		
1,400.00	1,387.67	1,315.71	1,293.63	6.90	7.62	-71.16	423.15	-946.98	976.67	962.18	14.50	67.374		
1,500.00	1,486.27	1,406.49	1,379.00	7.31	8.24	-70.19	453.86	-943.77	977.52	962.00	15.51	63.010		
1,600.00	1,584.87	1,500.11	1,467.04	7.73	8.90	-69.21	485.56	-941.16	979.41	962.84	16.57	59.111		
1,700.00	1,683.47	1,599.31	1,560.71	8.16	9.60	-68.24	518.16	-938.96	981.81	964.14	17.67	55.566		
1,800.00	1,782.07	1,696.09	1,652.40	8.59	10.28	-67.35	549.09	-937.17	984.53	965.78	18.75	52.502		
1,900.00	1,880.67	1,791.44	1,743.17	9.02	10.95	-66.57	578.25	-936.09	987.65	967.84	19.82	49.838		
2,000.00	1,979.27	1,879.91	1,827.47	9.46	11.57	-65.88	605.08	-936.10	991.92	971.09	20.83	47.623		
2,100.00	2,077.87	1,993.94	1,936.11	9.90	12.37	-64.99	639.72	-935.74	996.11	974.08	22.03	45.213		
2,200.00	2,176.47	2,111.20	2,048.56	10.35	13.18	-64.19	672.93	-934.08	998.62	975.38	23.24	42.966		
2,300.00	2,275.07	2,215.91	2,149.07	10.79	13.90	-63.47	702.14	-931.44	1,000.09	975.73	24.36	41.048		
2,400.00	2,373.67	2,327.94	2,256.95	11.24	14.65	-62.77	732.17	-928.21	1,000.93	975.41	25.52	39.217		
2,488.79	2,461.21	2,419.55	2,345.49	11.64	15.25	-62.24	755.49	-925.03	1,000.78	974.29	26.49	37.780		
2,500.00	2,472.27	2,428.70	2,354.32	11.69	15.31	-62.19	757.85	-924.72	1,000.79	974.20	26.60	37.628		
2,600.00	2,570.87	2,517.06	2,439.46	12.14	15.91	-61.65	781.35	-922.29	1,001.85	974.25	27.60	36.299		
2,700.00	2,669.47	2,612.41	2,530.80	12.59	16.58	-60.95	808.51	-918.97	1,003.28	974.61	28.67	34.995		
2,800.00	2,768.07	2,695.52	2,609.55	13.04	17.21	-60.19	834.88	-915.83	1,006.13	976.46	29.67	33.912		
2,900.00	2,866.67	2,785.23	2,693.90	13.50	17.90	-59.29	865.25	-912.89	1,010.68	979.96	30.72	32.896		
3,000.00	2,965.27	2,885.39	2,788.83	13.95	18.66	-58.44	897.15	-910.76	1,015.53	983.68	31.85	31.887		
3,100.00	3,063.87	2,983.86	2,882.56	14.41	19.39	-57.68	927.28	-909.48	1,020.67	987.73	32.94	30.987		
3,200.00	3,162.47	3,088.89	2,982.81	14.87	20.15	-56.94	958.59	-908.33	1,025.75	991.68	34.07	30.109		
3,300.00	3,261.07	3,188.56	3,078.38	15.32	20.85	-56.32	986.84	-907.61	1,030.52	995.38	35.14	29.326		
3,400.00	3,359.67	3,288.54	3,183.86	15.78	21.63	-55.63	1,017.95	-906.21	1,034.90	998.61	36.29	28.519		
3,500.00	3,458.27	3,398.28	3,279.68	16.24	22.33	-55.03	1,045.61	-904.59	1,038.82	1,001.47	37.35	27.813		
3,600.00	3,556.87	3,502.46	3,380.08	16.70	23.04	-54.48	1,073.40	-903.82	1,043.00	1,004.58	38.43	27.142		
3,700.00	3,655.47	3,619.10	3,493.41	17.16	23.79	-54.05	1,100.99	-903.26	1,045.76	1,006.19	39.57	26.430		
3,800.00	3,754.06	3,718.50	3,589.96	17.62	24.42	-53.66	1,124.52	-901.84	1,047.79	1,007.20	40.59	25.815		
3,900.00	3,852.66	3,811.24	3,679.74	18.08	25.03	-53.22	1,147.74	-900.12	1,050.32	1,008.74	41.57	25.263		
4,000.00	3,951.26	3,902.12	3,767.84	18.54	25.63	-52.86	1,169.98	-899.63	1,053.67	1,011.13	42.53	24.772		
4,100.00	4,049.86	4,020.53	3,883.40	19.01	26.34	-52.59	1,195.80	-901.13	1,057.06	1,013.41	43.65	24.217		
4,200.00	4,148.46	4,209.24	4,069.88	19.47	27.30	-52.66	1,223.78	-899.76	1,054.54	1,009.58	44.96	23.457		
4,300.00	4,247.06	4,341.12	4,201.40	19.93	27.81	-53.11	1,232.98	-896.70	1,046.36	1,000.47	45.88	22.805		
4,400.00	4,345.66	4,431.25	4,291.45	20.39	28.12	-53.59	1,236.29	-895.55	1,037.33	990.58	46.75	22.191		
4,500.00	4,444.26	4,542.70	4,402.89	20.86	28.47	-54.36	1,238.01	-895.84	1,028.52	980.92	47.60	21.609		
4,600.00	4,542.86	4,636.99	4,497.17	21.32	28.73	-55.11	1,237.82	-896.70	1,019.45	971.03	48.43	21.051		
4,700.00	4,641.46	4,736.74	4,596.89	21.78	28.99	-56.01	1,236.34	-898.45	1,010.63	961.38	49.25	20.520		
4,800.00	4,740.06	4,838.85	4,698.96	22.25	29.26	-56.99	1,234.08	-900.40	1,001.85	951.77	50.07	20.007		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,838.66	4,937.60	4,797.69	22.71	29.53	-57.90	1,232.46	-901.57	992.99	942.09	50.90	19.509		
5,000.00	4,937.26	5,032.87	4,892.95	23.18	29.80	-58.78	1,231.26	-902.76	984.64	932.90	51.73	19.034		
5,100.00	5,035.86	5,129.76	4,989.83	23.64	30.08	-59.67	1,230.41	-904.03	976.75	924.18	52.57	18.581		
5,200.00	5,134.46	5,223.98	5,084.03	24.11	30.36	-60.53	1,230.01	-905.31	969.38	915.97	53.41	18.150		
5,300.00	5,233.06	5,318.10	5,178.15	24.57	30.65	-61.38	1,230.14	-906.87	962.75	908.50	54.25	17.747		
5,400.00	5,331.66	5,414.01	5,274.03	25.04	30.95	-62.25	1,230.59	-908.68	956.71	901.61	55.10	17.364		
5,500.00	5,430.26	5,514.82	5,374.82	25.50	31.27	-63.17	1,231.15	-910.59	950.96	895.01	55.95	16.997		
5,600.00	5,528.86	5,611.68	5,471.67	25.97	31.58	-64.06	1,231.59	-912.35	945.32	888.52	56.80	16.644		
5,700.00	5,627.46	5,706.38	5,566.34	26.43	31.89	-64.97	1,231.79	-914.60	940.36	882.72	57.64	16.314		
5,800.00	5,726.06	5,805.31	5,665.24	26.90	32.22	-65.91	1,232.37	-916.98	935.82	877.33	58.49	15.999		
5,900.00	5,824.66	5,900.49	5,760.39	27.36	32.54	-66.79	1,233.46	-919.20	931.67	872.33	59.34	15.701		
6,000.00	5,923.26	6,002.41	5,862.26	27.83	32.88	-67.73	1,234.77	-921.87	928.08	867.87	60.20	15.416		
6,100.00	6,021.86	6,117.41	5,977.24	28.30	33.28	-68.80	1,235.91	-923.42	923.44	862.36	61.08	15.117		
6,200.00	6,120.46	6,208.29	6,068.12	28.76	33.59	-69.65	1,236.82	-924.50	918.88	856.94	61.93	14.837		
6,300.00	6,219.06	6,301.78	6,161.58	29.23	33.92	-70.52	1,238.00	-925.92	914.98	852.19	62.78	14.574		
6,405.66	6,323.24	6,402.45	6,262.22	29.72	34.28	-71.45	1,239.83	-927.91	911.72	848.04	63.68	14.317		
6,423.95	6,341.27	6,420.38	6,280.14	29.80	34.35	-81.31	1,240.19	-928.28	911.46	847.62	63.84	14.278 CC, ES		
6,450.00	6,366.93	6,445.86	6,305.61	29.93	34.44	-94.54	1,240.70	-928.81	911.99	847.92	64.06	14.236		
6,500.00	6,415.96	6,495.52	6,355.25	30.15	34.62	-114.39	1,241.71	-929.86	915.93	851.44	64.49	14.202 SF		
6,550.00	6,464.44	6,551.08	6,410.80	30.37	34.82	-127.29	1,242.60	-930.83	923.50	858.57	64.93	14.223		
6,600.00	6,512.08	6,605.65	6,465.36	30.58	35.01	-135.65	1,243.09	-931.44	934.54	869.19	65.35	14.300		
6,650.00	6,558.58	6,658.48	6,518.19	30.78	35.19	-141.34	1,243.27	-931.72	949.04	883.29	65.75	14.433		
6,700.00	6,603.65	6,709.67	6,569.38	30.97	35.37	-145.40	1,243.38	-931.66	967.00	900.86	66.14	14.621		
6,750.00	6,647.02	6,759.24	6,618.94	31.15	35.54	-148.42	1,243.45	-931.30	988.33	921.83	66.50	14.862		
6,800.00	6,688.42	6,799.59	6,659.29	31.31	35.68	-150.57	1,243.50	-930.90	1,013.10	946.26	66.84	15.158		
6,850.00	6,727.59	6,837.78	6,697.49	31.46	35.81	-152.16	1,243.57	-930.57	1,041.31	974.16	67.15	15.508		
6,900.00	6,764.29	6,873.56	6,733.26	31.60	35.93	-153.30	1,243.65	-930.30	1,072.77	1,005.33	67.44	15.908		
6,950.00	6,798.30	6,907.15	6,766.85	31.73	36.04	-154.06	1,243.74	-930.08	1,107.26	1,039.56	67.70	16.354		
7,000.00	6,829.41	6,938.51	6,798.21	31.84	36.15	-154.46	1,243.83	-929.88	1,144.54	1,076.59	67.95	16.845		
7,050.00	6,857.42	6,966.79	6,826.49	32.03	36.25	-154.46	1,243.91	-929.70	1,184.35	1,116.18	68.16	17.375		
7,100.00	6,882.16	6,991.82	6,851.52	32.36	36.34	-154.00	1,243.98	-929.54	1,226.42	1,158.07	68.36	17.942		
7,150.00	6,903.48	7,013.43	6,873.13	32.73	36.41	-152.92	1,244.04	-929.40	1,270.50	1,201.98	68.52	18.542		
7,200.00	6,921.25	7,031.51	6,891.20	33.15	36.47	-150.96	1,244.09	-929.28	1,316.28	1,247.62	68.66	19.172		
7,250.00	6,935.36	7,044.46	6,904.15	33.61	36.52	-147.42	1,244.13	-929.21	1,363.48	1,294.71	68.76	19.829		
7,300.00	6,945.72	7,054.13	6,913.83	34.11	36.55	-141.04	1,244.16	-929.16	1,411.79	1,342.95	68.85	20.507		
7,350.00	6,952.26	7,060.29	6,919.99	34.65	36.57	-128.27	1,244.19	-929.13	1,460.90	1,392.00	68.90	21.202		
7,403.14	6,955.00	7,062.97	6,922.67	35.26	36.58	-97.71	1,244.20	-929.12	1,513.60	1,444.66	68.94	21.954		
7,500.00	6,955.99	7,064.23	6,923.93	36.49	36.59	-98.16	1,244.20	-929.12	1,609.97	1,540.98	68.99	23.337		
7,600.00	6,957.03	7,065.52	6,925.21	37.93	36.59	-98.62	1,244.21	-929.11	1,709.51	1,640.48	69.03	24.763		
7,700.00	6,958.06	7,066.79	6,926.48	39.52	36.60	-99.07	1,244.21	-929.11	1,809.11	1,740.03	69.08	26.190		
7,800.00	6,959.09	7,068.04	6,927.74	41.25	36.60	-99.52	1,244.22	-929.10	1,908.74	1,839.62	69.12	27.616		
7,900.00	6,960.12	7,069.28	6,928.98	43.09	36.61	-99.96	1,244.22	-929.10	2,008.41	1,939.25	69.16	29.041		
8,000.00	6,961.15	7,070.51	6,930.20	45.04	36.61	-100.39	1,244.23	-929.09	2,108.11	2,038.91	69.20	30.466		
8,100.00	6,962.18	7,071.72	6,931.42	47.08	36.62	-100.82	1,244.23	-929.09	2,207.84	2,138.60	69.23	31.889		
8,200.00	6,963.21	7,072.92	6,932.61	49.20	36.62	-101.24	1,244.24	-929.08	2,307.59	2,238.31	69.27	33.312		
8,300.00	6,964.24	7,074.10	6,933.80	51.39	36.62	-101.66	1,244.24	-929.08	2,407.36	2,338.05	69.31	34.733		
8,400.00	6,965.27	7,075.27	6,934.97	53.64	36.63	-102.07	1,244.25	-929.08	2,507.14	2,437.80	69.35	36.153		
8,500.00	6,966.30	7,076.43	6,936.13	55.95	36.63	-102.47	1,244.25	-929.07	2,606.95	2,537.56	69.38	37.572		
8,600.00	6,967.33	7,077.57	6,937.27	58.30	36.64	-102.87	1,244.25	-929.07	2,706.76	2,637.34	69.42	38.990		
8,700.00	6,968.37	7,078.71	6,938.40	60.70	36.64	-103.26	1,244.26	-929.07	2,806.59	2,737.13	69.46	40.406		
8,800.00	6,969.40	7,079.83	6,939.52	63.14	36.64	-103.65	1,244.26	-929.06	2,906.43	2,836.94	69.50	41.821		
8,900.00	6,970.43	7,080.93	6,940.63	65.60	36.65	-104.03	1,244.27	-929.06	3,006.29	2,936.75	69.54	43.234		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,971.46	7,082.03	6,941.72	68.10	36.65	-104.40	1,244.27	-929.06	3,106.15	3,036.57	69.57	44.645		
9,100.00	6,972.49	7,083.11	6,942.80	70.63	36.66	-104.78	1,244.28	-929.05	3,206.01	3,136.40	69.61	46.055		
9,200.00	6,973.52	7,084.18	6,943.87	73.18	36.66	-105.14	1,244.28	-929.05	3,305.89	3,236.24	69.65	47.463		
9,300.00	6,974.55	7,085.24	6,944.93	75.75	36.66	-105.50	1,244.29	-929.05	3,405.77	3,336.08	69.69	48.869		
9,400.00	6,975.58	7,086.28	6,945.98	78.34	36.67	-105.85	1,244.29	-929.04	3,505.66	3,435.93	69.73	50.273		
9,500.00	6,976.61	7,087.32	6,947.02	80.94	36.67	-106.20	1,244.30	-929.04	3,605.56	3,535.78	69.77	51.675		
9,600.00	6,977.64	7,088.35	6,948.04	83.56	36.67	-106.55	1,244.30	-929.04	3,705.46	3,635.64	69.82	53.075		
9,700.00	6,978.68	7,089.36	6,949.06	86.20	36.68	-106.89	1,244.31	-929.04	3,805.36	3,735.50	69.86	54.473		
9,800.00	6,979.71	7,090.36	6,950.06	88.85	36.68	-107.22	1,244.31	-929.04	3,905.27	3,835.37	69.90	55.869		
9,900.00	6,980.74	7,091.36	6,951.05	91.51	36.68	-107.55	1,244.32	-929.03	4,005.18	3,935.24	69.94	57.262		
10,000.00	6,981.77	7,092.34	6,952.03	94.19	36.69	-107.88	1,244.32	-929.03	4,105.10	4,035.11	69.99	58.653		
10,100.00	6,982.80	7,093.31	6,953.01	96.87	36.69	-108.20	1,244.32	-929.03	4,205.02	4,134.99	70.03	60.042		
10,200.00	6,983.83	7,094.27	6,953.97	99.56	36.69	-108.52	1,244.33	-929.03	4,304.95	4,234.87	70.08	61.429		
10,300.00	6,984.86	7,095.23	6,954.92	102.27	36.70	-108.83	1,244.33	-929.02	4,404.88	4,334.75	70.13	62.813		
10,400.00	6,985.89	7,096.17	6,955.86	104.98	36.70	-109.13	1,244.34	-929.02	4,504.81	4,434.63	70.17	64.195		
10,500.00	6,986.92	7,097.10	6,956.80	107.69	36.70	-109.44	1,244.34	-929.02	4,604.74	4,534.52	70.22	65.574		
10,600.00	6,987.95	7,098.02	6,957.72	110.41	36.71	-109.74	1,244.35	-929.02	4,704.68	4,634.41	70.27	66.950		
10,700.00	6,988.99	7,098.94	6,958.63	113.14	36.71	-110.03	1,244.35	-929.02	4,804.62	4,734.29	70.32	68.324		
10,800.00	6,990.02	7,099.84	6,959.54	115.88	36.71	-110.32	1,244.35	-929.02	4,904.56	4,834.18	70.37	69.695		
10,900.00	6,991.05	7,100.74	6,960.43	118.62	36.72	-110.61	1,244.36	-929.02	5,004.50	4,934.08	70.42	71.063		
11,000.00	6,992.08	7,101.63	6,961.32	121.37	36.72	-110.89	1,244.36	-929.01	5,104.44	5,033.97	70.48	72.429		
11,100.00	6,993.11	7,102.50	6,962.20	124.12	36.72	-111.17	1,244.37	-929.01	5,204.39	5,133.86	70.53	73.791		
11,200.00	6,994.14	7,103.37	6,963.07	126.87	36.73	-111.45	1,244.37	-929.01	5,304.34	5,233.76	70.58	75.151		
11,300.00	6,995.17	7,104.24	6,963.93	129.63	36.73	-111.72	1,244.38	-929.01	5,404.29	5,333.65	70.64	76.507		
11,400.00	6,996.20	7,105.09	6,964.78	132.39	36.73	-111.99	1,244.38	-929.01	5,504.24	5,433.55	70.69	77.861		
11,500.00	6,997.23	7,105.93	6,965.63	135.16	36.74	-112.25	1,244.38	-929.01	5,604.20	5,533.45	70.75	79.212		
11,600.00	6,998.26	7,106.77	6,966.46	137.93	36.74	-112.51	1,244.39	-929.01	5,704.15	5,633.34	70.81	80.559		
11,700.00	6,999.30	7,107.60	6,967.29	140.70	36.74	-112.77	1,244.39	-929.01	5,804.11	5,733.24	70.86	81.904		
11,800.00	7,000.33	7,108.42	6,968.11	143.48	36.74	-113.02	1,244.40	-929.01	5,904.06	5,833.14	70.92	83.245		
11,900.00	7,001.36	7,109.23	6,968.93	146.26	36.75	-113.27	1,244.40	-929.00	6,004.02	5,933.04	70.98	84.583		
12,000.00	7,002.39	7,110.03	6,969.73	149.04	36.75	-113.52	1,244.41	-929.00	6,103.98	6,032.94	71.04	85.918		
12,100.00	7,003.42	7,110.83	6,970.53	151.82	36.75	-113.76	1,244.41	-929.00	6,203.94	6,132.84	71.11	87.249		
12,200.00	7,004.45	7,111.62	6,971.32	154.61	36.76	-114.00	1,244.41	-929.00	6,303.91	6,232.74	71.17	88.577		
12,300.00	7,005.48	7,112.40	6,972.10	157.40	36.76	-114.24	1,244.42	-929.00	6,403.87	6,332.64	71.23	89.902		
12,400.00	7,006.51	7,113.18	6,972.87	160.19	36.76	-114.48	1,244.42	-929.00	6,503.84	6,432.54	71.30	91.223		
12,500.00	7,007.54	7,113.95	6,973.64	162.98	36.76	-114.71	1,244.43	-929.00	6,603.80	6,532.44	71.36	92.541		
12,600.00	7,008.57	7,114.71	6,974.40	165.78	36.77	-114.94	1,244.43	-929.00	6,703.77	6,632.34	71.43	93.856		
12,700.00	7,009.61	7,115.46	6,975.16	168.58	36.77	-115.16	1,244.43	-929.00	6,803.73	6,732.24	71.49	95.166		
12,800.00	7,010.64	7,116.21	6,975.90	171.38	36.77	-115.38	1,244.44	-929.00	6,903.70	6,832.14	71.56	96.474		
12,900.00	7,011.67	7,116.95	6,976.64	174.18	36.78	-115.60	1,244.44	-929.00	7,003.67	6,932.04	71.63	97.777		
13,000.00	7,012.70	7,117.68	6,977.38	176.98	36.78	-115.82	1,244.45	-929.00	7,103.64	7,031.94	71.70	99.077		
13,100.00	7,013.73	7,118.41	6,978.11	179.78	36.78	-116.04	1,244.45	-929.00	7,203.61	7,131.84	71.77	100.373		
13,200.00	7,014.76	7,119.13	6,978.83	182.59	36.78	-116.25	1,244.45	-929.00	7,303.58	7,231.74	71.84	101.666		
13,300.00	7,015.79	7,119.84	6,979.54	185.39	36.79	-116.46	1,244.46	-929.00	7,403.55	7,331.64	71.91	102.955		
13,400.00	7,016.82	7,120.55	6,980.25	188.20	36.79	-116.66	1,244.46	-929.00	7,503.53	7,431.54	71.98	104.240		
13,500.00	7,017.85	7,121.25	6,980.95	191.01	36.79	-116.87	1,244.46	-929.00	7,603.50	7,531.44	72.06	105.521		
13,600.00	7,018.88	7,121.95	6,981.64	193.82	36.79	-117.07	1,244.47	-929.00	7,703.47	7,631.34	72.13	106.799		
13,700.00	7,019.91	7,122.64	6,982.33	196.63	36.80	-117.27	1,244.47	-929.00	7,803.45	7,731.24	72.21	108.072		
13,800.00	7,020.95	7,123.32	6,983.02	199.44	36.80	-117.46	1,244.48	-929.00	7,903.42	7,831.14	72.28	109.342		
13,900.00	7,021.98	7,124.00	6,983.69	202.26	36.80	-117.66	1,244.48	-929.00	8,003.40	7,931.04	72.36	110.608		
14,000.00	7,023.01	7,124.67	6,984.37	205.07	36.80	-117.85	1,244.48	-929.00	8,103.37	8,030.94	72.44	111.870		
14,100.00	7,024.04	7,125.34	6,985.03	207.89	36.80	-118.04	1,244.49	-929.00	8,203.35	8,130.83	72.51	113.128		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,025.07	7,126.00	6,985.69	210.70	36.81	-118.22	1,244.49	-929.00	8,303.32	8,230.73	72.59	114.382		
14,300.00	7,026.10	7,126.65	6,986.34	213.52	36.81	-118.41	1,244.49	-929.00	8,403.30	8,330.63	72.67	115.632		
14,400.00	7,027.13	7,127.30	6,986.99	216.34	36.81	-118.59	1,244.50	-929.00	8,503.28	8,430.53	72.75	116.878		
14,500.00	7,028.16	7,127.94	6,987.64	219.16	36.81	-118.77	1,244.50	-929.00	8,603.26	8,530.42	72.84	118.120		
14,600.00	7,029.19	7,128.58	6,988.27	221.98	36.82	-118.95	1,244.50	-929.00	8,703.24	8,630.32	72.92	119.358		
14,700.00	7,030.22	7,129.21	6,988.91	224.80	36.82	-119.12	1,244.51	-929.00	8,803.22	8,730.22	73.00	120.591		
14,800.00	7,031.26	7,129.84	6,989.53	227.62	36.82	-119.30	1,244.51	-929.00	8,903.19	8,830.11	73.08	121.821		
14,900.00	7,032.29	7,130.46	6,990.16	230.44	36.82	-119.47	1,244.52	-929.00	9,003.17	8,930.01	73.17	123.047		
15,000.00	7,033.32	7,131.08	6,990.77	233.26	36.83	-119.64	1,244.52	-929.00	9,103.15	9,029.90	73.25	124.268		
15,100.00	7,034.35	7,131.69	6,991.38	236.09	36.83	-119.81	1,244.52	-929.00	9,203.14	9,129.79	73.34	125.485		
15,200.00	7,035.38	7,132.30	6,991.99	238.91	36.83	-119.97	1,244.53	-929.00	9,303.12	9,229.69	73.43	126.698		
15,300.00	7,036.41	7,132.90	6,992.59	241.74	36.83	-120.14	1,244.53	-929.00	9,403.10	9,329.58	73.52	127.907		
15,400.00	7,037.44	7,133.49	6,993.19	244.56	36.83	-120.30	1,244.53	-929.00	9,503.08	9,429.48	73.60	129.112		
15,500.00	7,038.47	7,134.09	6,993.78	247.39	36.84	-120.46	1,244.54	-929.00	9,603.06	9,529.37	73.69	130.312		
15,600.00	7,039.50	7,134.67	6,994.37	250.21	36.84	-120.62	1,244.54	-929.00	9,703.04	9,629.26	73.78	131.508		
15,700.00	7,040.53	7,135.26	6,994.95	253.04	36.84	-120.77	1,244.54	-929.00	9,803.03	9,729.15	73.87	132.700		
15,800.00	7,041.57	7,135.83	6,995.53	255.87	36.84	-120.93	1,244.55	-929.00	9,903.01	9,829.04	73.97	133.887		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-78.30	198.57	-958.99	980.07					
100.00	100.00	57.81	57.81	3.28	3.29	-78.30	198.62	-959.07	979.43	972.86	6.57	149.026		
200.00	200.00	148.70	148.70	3.34	3.34	-78.28	199.08	-959.80	980.32	973.64	6.68	146.830		
300.00	299.98	270.99	270.96	3.45	3.48	-75.40	201.03	-960.05	980.47	973.55	6.92	141.677		
400.00	399.84	440.93	440.44	3.61	3.79	-75.46	208.80	-950.94	974.95	967.51	7.44	131.088		
500.00	499.45	553.93	552.72	3.82	4.07	-75.76	214.76	-939.82	964.23	956.30	7.93	121.636		
600.00	598.70	664.32	662.14	4.07	4.41	-76.26	221.31	-926.71	950.74	942.24	8.49	111.942		
680.00	677.76	746.15	743.04	4.29	4.70	-76.71	227.97	-916.45	939.23	930.25	8.98	104.628		
700.00	697.48	768.07	764.65	4.35	4.78	-76.76	230.21	-913.53	936.20	927.09	9.11	102.764		
800.00	796.08	872.73	867.48	4.66	5.21	-76.87	242.82	-898.68	920.62	910.82	9.80	93.923		
900.00	894.68	1,011.38	1,002.72	4.98	5.86	-76.79	262.47	-875.40	902.98	892.25	10.73	84.135		
1,000.00	993.28	1,133.50	1,120.30	5.34	6.53	-76.46	282.46	-849.18	880.96	869.30	11.65	75.589		
1,100.00	1,091.88	1,261.26	1,242.82	5.71	7.29	-76.13	302.07	-818.76	856.66	844.01	12.64	67.748		
1,200.00	1,190.48	1,354.37	1,331.80	6.10	7.89	-75.87	315.96	-795.14	830.71	817.21	13.50	61.551		
1,300.00	1,289.07	1,444.35	1,417.74	6.49	8.49	-75.56	330.18	-772.58	805.23	790.87	14.37	56.043		
1,400.00	1,387.67	1,538.01	1,507.15	6.90	9.13	-75.15	346.00	-749.58	780.50	765.20	15.30	51.027		
1,500.00	1,486.27	1,640.87	1,604.85	7.31	9.86	-74.52	364.99	-723.64	755.49	739.19	16.31	46.329		
1,600.00	1,584.87	1,740.82	1,699.75	7.73	10.58	-73.91	382.78	-697.79	729.81	712.48	17.33	42.123		
1,700.00	1,683.47	1,847.79	1,801.26	8.16	11.37	-73.24	401.22	-669.59	703.62	685.23	18.39	38.266		
1,800.00	1,782.07	1,935.68	1,884.53	8.59	12.03	-72.65	416.20	-645.79	676.77	657.38	19.39	34.897		
1,900.00	1,880.67	2,023.28	1,967.96	9.02	12.68	-72.06	431.07	-623.58	651.61	631.20	20.41	31.921		
2,000.00	1,979.27	2,122.00	2,061.90	9.46	13.42	-71.28	448.72	-598.91	627.13	605.64	21.50	29.172		
2,100.00	2,077.87	2,215.24	2,150.66	9.90	14.11	-70.50	465.10	-575.52	602.59	580.01	22.58	26.690		
2,200.00	2,176.47	2,315.40	2,246.11	10.35	14.86	-69.63	482.45	-550.62	578.30	554.61	23.69	24.411		
2,300.00	2,275.07	2,412.61	2,338.97	10.79	15.58	-68.86	497.83	-526.34	553.58	528.80	24.79	22.334		
2,400.00	2,373.67	2,498.47	2,421.27	11.24	16.20	-68.15	511.45	-506.00	530.17	504.31	25.86	20.498		
2,500.00	2,472.27	2,606.01	2,524.14	11.69	17.00	-67.09	529.30	-480.24	506.90	479.89	27.01	18.764		
2,600.00	2,570.87	2,710.09	2,623.11	12.14	17.79	-65.88	546.18	-452.84	481.40	453.22	28.18	17.082		
2,700.00	2,669.47	2,799.75	2,708.26	12.59	18.48	-64.65	561.26	-429.17	456.30	426.93	29.37	15.536		
2,800.00	2,768.07	2,895.43	2,799.78	13.04	19.20	-63.42	576.49	-405.78	432.85	402.31	30.55	14.169		
2,900.00	2,866.67	2,989.80	2,890.39	13.50	19.88	-62.32	589.84	-383.02	409.21	377.50	31.71	12.905		
3,000.00	2,965.27	3,079.58	2,977.07	13.95	20.50	-61.33	602.07	-363.10	387.21	354.36	32.85	11.786		
3,100.00	3,063.87	3,167.52	3,062.68	14.41	21.05	-60.62	612.92	-346.25	367.47	333.52	33.94	10.826		
3,200.00	3,162.47	3,257.79	3,151.26	14.87	21.58	-60.23	623.07	-332.15	350.39	315.43	34.97	10.021		
3,300.00	3,261.07	3,348.30	3,240.53	15.32	22.06	-60.12	632.50	-320.60	335.49	299.56	35.92	9.339		
3,400.00	3,359.67	3,442.55	3,333.93	15.78	22.51	-60.42	641.25	-311.47	322.77	285.95	36.81	8.768		
3,500.00	3,458.27	3,538.04	3,428.88	16.24	22.93	-61.20	648.43	-304.30	311.22	273.59	37.63	8.271		
3,600.00	3,556.87	3,634.71	3,525.29	16.70	23.31	-62.66	653.29	-299.36	300.83	262.48	38.35	7.845		
3,700.00	3,655.47	3,731.98	3,622.48	17.16	23.64	-64.85	655.55	-296.28	291.41	252.45	38.96	7.480		
3,800.00	3,754.06	3,831.51	3,721.97	17.62	23.97	-67.55	656.41	-293.73	282.51	243.00	39.51	7.151		
3,900.00	3,852.66	3,922.76	3,813.22	18.08	24.25	-70.31	657.01	-292.94	275.79	235.83	39.97	6.901		
4,000.00	3,951.26	4,022.19	3,912.64	18.54	24.55	-73.52	657.55	-293.12	270.87	230.43	40.44	6.698		
4,100.00	4,049.86	4,120.38	4,010.83	19.01	24.85	-76.71	658.48	-293.26	266.87	225.96	40.91	6.523		
4,200.00	4,148.46	4,219.11	4,109.54	19.47	25.16	-79.83	660.20	-293.36	263.81	222.40	41.41	6.370		
4,300.00	4,247.06	4,317.26	4,207.68	19.93	25.48	-82.98	662.02	-293.56	261.68	219.77	41.91	6.244		
4,400.00	4,345.66	4,415.59	4,305.97	20.39	25.79	-86.08	664.27	-294.08	260.71	218.28	42.43	6.144		
4,449.91	4,394.87	4,464.71	4,355.09	20.62	25.95	-87.64	665.34	-294.40	260.58	217.88	42.70	6.103 CC		
4,500.00	4,444.26	4,513.77	4,404.14	20.86	26.11	-89.22	666.33	-294.79	260.73	217.77	42.96	6.069 ES		
4,600.00	4,542.86	4,612.06	4,502.40	21.32	26.43	-92.42	668.13	-295.79	261.88	218.38	43.50	6.020		
4,700.00	4,641.46	4,710.15	4,600.47	21.78	26.74	-95.57	669.86	-297.02	264.10	220.04	44.06	5.995		
4,800.00	4,740.06	4,808.64	4,698.94	22.25	27.05	-98.76	671.19	-298.44	267.40	222.76	44.64	5.990		
4,900.00	4,838.66	4,910.36	4,800.66	22.71	27.37	-102.29	671.12	-299.14	271.19	225.90	45.29	5.987		

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

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	5,012.84	4,903.11	23.18	27.69	-106.22	669.32	-297.52	274.34	228.37	45.97	5.967 SF		
5,100.00	5,035.86	5,110.82	5,001.05	23.64	28.01	-109.91	667.68	-295.53	278.27	231.64	46.63	5.967		
5,200.00	5,134.46	5,208.17	5,098.38	24.11	28.33	-113.31	666.61	-294.02	283.54	236.20	47.33	5.990		
5,300.00	5,233.06	5,305.63	5,195.83	24.57	28.65	-116.48	665.86	-293.14	290.20	242.12	48.08	6.036		
5,400.00	5,331.66	5,406.61	5,296.81	25.04	28.99	-119.64	665.00	-292.04	297.64	248.69	48.94	6.081		
5,500.00	5,430.26	5,504.89	5,395.07	25.50	29.33	-122.51	664.76	-290.54	305.21	255.43	49.78	6.131		
5,600.00	5,528.86	5,603.12	5,493.30	25.97	29.67	-125.09	665.00	-289.72	313.76	263.11	50.65	6.194		
5,700.00	5,627.46	5,703.07	5,593.25	26.43	30.03	-127.41	666.10	-289.37	322.74	271.17	51.57	6.258		
5,800.00	5,726.06	5,801.59	5,691.74	26.90	30.39	-129.45	667.78	-289.39	332.08	279.61	52.47	6.329		
5,900.00	5,824.66	5,899.66	5,789.80	27.36	30.74	-131.32	669.63	-289.71	341.91	288.56	53.36	6.408		
6,000.00	5,923.26	5,994.89	5,885.02	27.83	31.08	-133.01	671.15	-290.48	352.62	298.44	54.18	6.508		
6,100.00	6,021.86	6,088.74	5,978.86	28.30	31.39	-134.70	671.05	-291.60	365.15	310.18	54.96	6.644		
6,200.00	6,120.46	6,187.31	6,077.41	28.76	31.72	-136.52	669.83	-292.38	378.60	322.74	55.86	6.778		
6,300.00	6,219.06	6,287.97	6,178.06	29.23	32.05	-138.40	668.25	-292.15	392.04	335.22	56.81	6.901		
6,405.66	6,323.24	6,392.77	6,282.86	29.72	32.41	-140.05	667.76	-292.57	406.11	348.33	57.78	7.029		
6,450.00	6,366.93	6,436.25	6,326.33	29.93	32.56	-163.64	667.84	-293.12	413.02	354.86	58.16	7.102		
6,500.00	6,415.96	6,484.92	6,375.00	30.15	32.73	176.19	667.98	-293.86	423.04	364.47	58.57	7.223		
6,550.00	6,464.44	6,534.64	6,424.71	30.37	32.90	163.31	668.25	-294.70	435.28	376.30	58.98	7.380		
6,600.00	6,512.08	6,583.82	6,473.88	30.58	33.07	155.20	668.74	-295.54	449.60	390.22	59.38	7.572		
6,650.00	6,558.58	6,630.53	6,520.58	30.78	33.24	149.90	669.40	-296.40	466.10	406.36	59.73	7.803		
6,700.00	6,603.65	6,675.71	6,565.75	30.97	33.40	146.27	670.19	-297.37	484.91	424.85	60.06	8.073		
6,750.00	6,647.02	6,719.51	6,609.52	31.15	33.56	143.67	671.13	-298.41	506.11	445.72	60.39	8.381		
6,800.00	6,688.42	6,761.15	6,651.13	31.31	33.71	141.67	672.18	-299.49	529.74	469.04	60.69	8.728		
6,850.00	6,727.59	6,800.57	6,690.52	31.46	33.85	139.98	673.31	-300.55	555.84	494.85	60.99	9.114		
6,900.00	6,764.29	6,837.37	6,727.29	31.60	33.98	138.38	674.47	-301.56	584.42	523.15	61.27	9.539		
6,950.00	6,798.30	6,871.73	6,761.62	31.73	34.11	136.71	675.61	-302.50	615.45	553.91	61.54	10.001		
7,000.00	6,829.41	6,903.56	6,793.42	31.84	34.23	134.83	676.64	-303.25	648.82	587.02	61.80	10.498		
7,050.00	6,857.42	6,932.37	6,822.22	32.03	34.33	132.56	677.55	-303.82	684.40	622.35	62.05	11.030		
7,100.00	6,882.16	6,957.00	6,846.82	32.36	34.42	129.68	678.31	-304.24	722.03	659.77	62.26	11.597		
7,150.00	6,903.48	6,977.45	6,867.26	32.73	34.50	126.02	678.97	-304.62	761.57	699.13	62.44	12.196		
7,200.00	6,921.25	6,994.24	6,884.03	33.15	34.56	121.44	679.54	-304.95	802.78	740.18	62.60	12.824		
7,250.00	6,935.36	7,007.27	6,897.06	33.61	34.61	115.75	680.00	-305.22	845.41	782.68	62.73	13.477		
7,300.00	6,945.72	7,016.51	6,906.29	34.11	34.65	108.79	680.33	-305.41	889.17	826.33	62.84	14.151		
7,350.00	6,952.26	7,021.93	6,911.71	34.65	34.67	100.58	680.53	-305.53	933.77	870.85	62.92	14.842		
7,403.14	6,955.00	7,023.50	6,913.27	35.26	34.67	90.75	680.59	-305.56	981.74	918.77	62.97	15.590		
7,500.00	6,955.99	7,022.44	6,912.22	36.49	34.67	90.61	680.55	-305.54	1,070.29	1,007.23	63.06	16.974		
7,600.00	6,957.03	7,021.37	6,911.14	37.93	34.66	90.46	680.51	-305.52	1,163.10	1,099.95	63.15	18.419		
7,700.00	6,958.06	7,020.30	6,910.08	39.52	34.66	90.31	680.47	-305.49	1,257.01	1,193.77	63.24	19.878		
7,800.00	6,959.09	7,019.25	6,909.03	41.25	34.66	90.17	680.43	-305.47	1,351.79	1,288.47	63.32	21.347		
7,900.00	6,960.12	7,018.21	6,907.99	43.09	34.65	90.02	680.40	-305.45	1,447.28	1,383.87	63.41	22.825		
8,000.00	6,961.15	7,017.19	6,906.97	45.04	34.65	89.88	680.36	-305.43	1,543.33	1,479.85	63.49	24.310		
8,100.00	6,962.18	7,016.18	6,905.96	47.08	34.64	89.74	680.32	-305.40	1,639.86	1,576.30	63.56	25.799		
8,200.00	6,963.21	7,015.18	6,904.96	49.20	34.64	89.60	680.29	-305.38	1,736.78	1,673.15	63.63	27.294		
8,300.00	6,964.24	7,014.19	6,903.97	51.39	34.64	89.47	680.25	-305.36	1,834.03	1,770.33	63.70	28.791		
8,400.00	6,965.27	7,013.21	6,902.99	53.64	34.63	89.33	680.21	-305.34	1,931.56	1,867.79	63.77	30.291		
8,500.00	6,966.30	7,012.25	6,902.03	55.95	34.63	89.20	680.18	-305.32	2,029.33	1,965.50	63.83	31.793		
8,600.00	6,967.33	7,011.29	6,901.08	58.30	34.63	89.07	680.15	-305.30	2,127.31	2,063.42	63.89	33.297		
8,700.00	6,968.37	7,010.35	6,900.13	60.70	34.62	88.94	680.11	-305.28	2,225.46	2,161.52	63.95	34.801		
8,800.00	6,969.40	7,009.42	6,899.20	63.14	34.62	88.81	680.08	-305.26	2,323.78	2,259.77	64.00	36.307		
8,900.00	6,970.43	7,008.50	6,898.28	65.60	34.62	88.69	680.05	-305.24	2,422.23	2,358.17	64.06	37.812		
9,000.00	6,971.46	7,007.59	6,897.37	68.10	34.61	88.56	680.01	-305.22	2,520.80	2,456.69	64.11	39.318		
9,100.00	6,972.49	7,006.69	6,896.47	70.63	34.61	88.44	679.98	-305.20	2,619.48	2,555.32	64.17	40.824		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,200.00	6,973.52	7,005.80	6,895.58	73.18	34.61	88.31	679.95	-305.18	2,718.26	2,654.04	64.22	42.329		
9,300.00	6,974.55	7,004.92	6,894.71	75.75	34.60	88.19	679.92	-305.17	2,817.12	2,752.85	64.27	43.834		
9,400.00	6,975.58	7,004.05	6,893.84	78.34	34.60	88.07	679.89	-305.15	2,916.06	2,851.74	64.32	45.338		
9,500.00	6,976.61	7,003.18	6,892.98	80.94	34.60	87.96	679.86	-305.13	3,015.07	2,950.70	64.37	46.840		
9,600.00	6,977.64	7,002.33	6,892.13	83.56	34.59	87.84	679.83	-305.11	3,114.14	3,049.72	64.42	48.342		
9,700.00	6,978.68	7,001.49	6,891.29	86.20	34.59	87.72	679.80	-305.10	3,213.27	3,148.80	64.47	49.843		
9,800.00	6,979.71	7,000.66	6,890.45	88.85	34.59	87.61	679.77	-305.08	3,312.45	3,247.94	64.52	51.342		
9,900.00	6,980.74	6,999.84	6,889.63	91.51	34.58	87.50	679.74	-305.06	3,411.68	3,347.12	64.57	52.839		
10,000.00	6,981.77	6,999.02	6,888.82	94.19	34.58	87.38	679.71	-305.04	3,510.96	3,446.34	64.62	54.335		
10,100.00	6,982.80	6,998.22	6,888.01	96.87	34.58	87.27	679.68	-305.03	3,610.27	3,545.60	64.67	55.829		
10,200.00	6,983.83	6,997.42	6,887.22	99.56	34.57	87.17	679.65	-305.01	3,709.62	3,644.90	64.72	57.321		
10,300.00	6,984.86	6,996.63	6,886.43	102.27	34.57	87.06	679.63	-305.00	3,809.00	3,744.23	64.77	58.811		
10,400.00	6,985.89	6,995.85	6,885.65	104.98	34.57	86.95	679.60	-304.98	3,908.42	3,843.60	64.82	60.299		
10,500.00	6,986.92	6,995.08	6,884.88	107.69	34.57	86.84	679.57	-304.96	4,007.86	3,942.99	64.87	61.785		
10,600.00	6,987.95	6,994.32	6,884.11	110.41	34.56	86.74	679.55	-304.95	4,107.33	4,042.41	64.92	63.268		
10,700.00	6,988.99	6,993.56	6,883.36	113.14	34.56	86.64	679.52	-304.93	4,206.83	4,141.85	64.97	64.749		
10,800.00	6,990.02	6,992.81	6,882.61	115.88	34.56	86.53	679.49	-304.92	4,306.34	4,241.32	65.02	66.227		
10,900.00	6,991.05	6,992.07	6,881.87	118.62	34.55	86.43	679.47	-304.90	4,405.88	4,340.81	65.08	67.703		
11,000.00	6,992.08	6,991.34	6,881.14	121.37	34.55	86.33	679.44	-304.89	4,505.44	4,440.31	65.13	69.177		
11,100.00	6,993.11	6,990.61	6,880.41	124.12	34.55	86.23	679.42	-304.87	4,605.02	4,539.84	65.18	70.647		
11,200.00	6,994.14	6,989.90	6,879.70	126.87	34.55	86.14	679.39	-304.86	4,704.62	4,639.38	65.24	72.115		
11,300.00	6,995.17	6,989.18	6,878.99	129.63	34.54	86.04	679.37	-304.85	4,804.23	4,738.94	65.29	73.580		
11,400.00	6,996.20	6,988.48	6,878.28	132.39	34.54	85.94	679.35	-304.83	4,903.86	4,838.52	65.35	75.042		
11,500.00	6,997.23	6,987.79	6,877.59	135.16	34.54	85.85	679.32	-304.82	5,003.51	4,938.10	65.40	76.501		
11,600.00	6,998.26	6,987.10	6,876.90	137.93	34.54	85.75	679.30	-304.81	5,103.17	5,037.70	65.46	77.957		
11,700.00	6,999.30	6,986.41	6,876.22	140.70	34.53	85.66	679.28	-304.79	5,202.84	5,137.32	65.52	79.409		
11,800.00	7,000.33	6,985.74	6,875.54	143.48	34.53	85.57	679.25	-304.78	5,302.52	5,236.94	65.58	80.859		
11,900.00	7,001.36	6,985.07	6,874.87	146.26	34.53	85.48	679.23	-304.77	5,402.21	5,336.58	65.64	82.305		
12,000.00	7,002.39	6,984.41	6,874.21	149.04	34.53	85.39	679.21	-304.75	5,501.92	5,436.22	65.70	83.748		
12,100.00	7,003.42	6,983.75	6,873.56	151.82	34.52	85.30	679.19	-304.74	5,601.63	5,535.88	65.76	85.187		
12,200.00	7,004.45	6,983.10	6,872.91	154.61	34.52	85.21	679.16	-304.73	5,701.36	5,635.54	65.82	86.623		
12,300.00	7,005.48	6,982.46	6,872.26	157.40	34.52	85.12	679.14	-304.71	5,801.10	5,735.22	65.88	88.056		
12,400.00	7,006.51	6,981.82	6,871.63	160.19	34.52	85.04	679.12	-304.70	5,900.84	5,834.90	65.94	89.485		
12,500.00	7,007.54	6,981.19	6,871.00	162.98	34.51	84.95	679.10	-304.69	6,000.59	5,934.59	66.01	90.910		
12,600.00	7,008.57	6,980.56	6,870.37	165.78	34.51	84.86	679.08	-304.68	6,100.35	6,034.28	66.07	92.331		
12,700.00	7,009.61	6,979.94	6,869.75	168.58	34.51	84.78	679.06	-304.67	6,200.12	6,133.99	66.14	93.749		
12,800.00	7,010.64	6,979.33	6,869.14	171.38	34.51	84.70	679.04	-304.65	6,299.90	6,233.70	66.20	95.163		
12,900.00	7,011.67	6,978.72	6,868.53	174.18	34.50	84.62	679.02	-304.64	6,399.68	6,333.41	66.27	96.574		
13,000.00	7,012.70	6,978.12	6,867.93	176.98	34.50	84.53	679.00	-304.63	6,499.47	6,433.13	66.33	97.980		
13,100.00	7,013.73	6,977.52	6,867.33	179.78	34.50	84.45	678.98	-304.62	6,599.26	6,532.86	66.40	99.383		
13,200.00	7,014.76	6,976.93	6,866.74	182.59	34.50	84.37	678.96	-304.61	6,699.06	6,632.59	66.47	100.781		
13,300.00	7,015.79	6,976.34	6,866.16	185.39	34.50	84.29	678.94	-304.60	6,798.87	6,732.33	66.54	102.176		
13,400.00	7,016.82	6,975.76	6,865.58	188.20	34.49	84.21	678.92	-304.59	6,898.68	6,832.07	66.61	103.566		
13,500.00	7,017.85	6,975.19	6,865.00	191.01	34.49	84.14	678.90	-304.58	6,998.50	6,931.82	66.68	104.953		
13,600.00	7,018.88	6,974.62	6,864.43	193.82	34.49	84.06	678.88	-304.57	7,098.32	7,031.57	66.75	106.335		
13,700.00	7,019.91	6,974.05	6,863.87	196.63	34.49	83.98	678.86	-304.55	7,198.15	7,131.33	66.83	107.713		
13,800.00	7,020.95	6,973.50	6,863.31	199.44	34.49	83.91	678.84	-304.54	7,297.98	7,231.08	66.90	109.087		
13,900.00	7,021.98	6,972.94	6,862.76	202.26	34.48	83.83	678.82	-304.53	7,397.82	7,330.85	66.98	110.456		
14,000.00	7,023.01	6,972.39	6,862.21	205.07	34.48	83.76	678.81	-304.52	7,497.66	7,430.61	67.05	111.822		
14,100.00	7,024.04	6,971.85	6,861.66	207.89	34.48	83.68	678.79	-304.51	7,597.51	7,530.38	67.13	113.183		
14,200.00	7,025.07	6,971.31	6,861.12	210.70	34.48	83.61	678.77	-304.50	7,697.36	7,630.15	67.20	114.540		
14,300.00	7,026.10	6,970.77	6,860.59	213.52	34.47	83.54	678.75	-304.49	7,797.21	7,729.93	67.28	115.892		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,027.13	6,970.24	6,860.06	216.34	34.47	83.47	678.74	-304.48	7,897.07	7,829.71	67.36	117.240		
14,500.00	7,028.16	6,969.71	6,859.53	219.16	34.47	83.40	678.72	-304.47	7,996.93	7,929.49	67.44	118.583		
14,600.00	7,029.19	6,969.19	6,859.01	221.98	34.47	83.33	678.70	-304.46	8,096.79	8,029.27	67.52	119.922		
14,700.00	7,030.22	6,968.68	6,858.49	224.80	34.47	83.26	678.68	-304.45	8,196.66	8,129.06	67.60	121.257		
14,800.00	7,031.26	6,968.16	6,857.98	227.62	34.47	83.19	678.67	-304.45	8,296.53	8,228.85	67.68	122.587		
14,900.00	7,032.29	6,967.66	6,857.47	230.44	34.46	83.12	678.65	-304.44	8,396.40	8,328.64	67.76	123.912		
15,000.00	7,033.32	6,967.15	6,856.97	233.26	34.46	83.05	678.64	-304.43	8,496.28	8,428.43	67.84	125.233		
15,100.00	7,034.35	6,966.65	6,856.47	236.09	34.46	82.98	678.62	-304.42	8,596.16	8,528.23	67.93	126.549		
15,200.00	7,035.38	6,966.16	6,855.98	238.91	34.46	82.92	678.60	-304.41	8,696.04	8,628.03	68.01	127.861		
15,300.00	7,036.41	6,965.67	6,855.49	241.74	34.46	82.85	678.59	-304.40	8,795.92	8,727.83	68.10	129.168		
15,400.00	7,037.44	6,965.18	6,855.00	244.56	34.45	82.79	678.57	-304.39	8,895.81	8,827.63	68.18	130.470		
15,500.00	7,038.47	6,964.70	6,854.52	247.39	34.45	82.72	678.56	-304.38	8,995.70	8,927.43	68.27	131.768		
15,600.00	7,039.50	6,964.22	6,854.04	250.21	34.45	82.66	678.54	-304.37	9,095.59	9,027.23	68.36	133.061		
15,700.00	7,040.53	6,963.74	6,853.56	253.04	34.45	82.59	678.52	-304.36	9,195.48	9,127.04	68.44	134.349		
15,800.00	7,041.57	6,963.27	6,853.09	255.87	34.45	82.53	678.51	-304.36	9,295.38	9,226.85	68.53	135.633		
15,900.00	7,042.60	6,962.80	6,852.63	258.70	34.45	82.47	678.49	-304.35	9,395.28	9,326.66	68.62	136.911		
16,000.00	7,043.63	6,962.34	6,852.16	261.53	34.44	82.40	678.48	-304.34	9,495.18	9,426.47	68.71	138.185		
16,100.00	7,044.66	6,961.88	6,851.70	264.35	34.44	82.34	678.46	-304.33	9,595.08	9,526.28	68.80	139.454		
16,200.00	7,045.69	6,961.41	6,851.24	267.18	69.97	76.79	677.12	-303.48	9,694.99	9,588.33	106.65	90.901		
16,300.00	7,046.72	6,960.95	6,850.78	270.01	70.37	76.64	677.09	-303.46	9,794.89	9,687.73	107.16	91.407		
16,400.00	7,047.75	6,960.49	6,850.32	272.84	70.77	76.50	677.05	-303.43	9,894.79	9,787.13	107.66	91.907		
16,500.00	7,048.78	6,960.03	6,850.00	275.67	71.17	76.35	677.01	-303.41	9,994.70	9,886.54	108.16	92.403		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-77.48	213.87	-963.16	987.43					
100.00	100.00	56.74	56.74	3.28	3.29	-77.48	213.97	-963.21	986.69	980.12	6.57	150.141	CC, ES	
200.00	200.00	149.33	149.32	3.34	3.34	-77.43	214.92	-963.67	987.40	980.72	6.68	147.895		
300.00	299.98	247.71	247.68	3.45	3.45	-74.51	216.86	-964.45	988.14	981.25	6.89	143.402		
400.00	399.84	332.40	332.33	3.61	3.58	-74.63	219.16	-965.66	988.73	981.55	7.18	137.615		
500.00	499.45	406.18	406.01	3.82	3.72	-74.82	222.04	-968.05	990.47	982.92	7.54	131.288		
600.00	598.70	481.96	481.55	4.07	3.89	-75.08	226.39	-972.31	993.99	986.02	7.97	124.650		
680.00	677.76	543.28	542.54	4.29	4.06	-75.33	230.81	-976.79	997.80	989.44	8.36	119.328		
700.00	697.48	557.90	557.06	4.35	4.10	-75.42	231.93	-978.03	998.94	990.48	8.46	118.039		
800.00	796.08	632.71	631.25	4.66	4.32	-75.86	237.86	-985.52	1,006.21	997.21	9.00	111.811		
900.00	894.68	713.68	711.37	4.98	4.59	-76.34	244.49	-995.25	1,015.63	1,006.04	9.59	105.940		
1,000.00	993.28	799.56	796.10	5.34	4.92	-76.81	252.22	-1,006.87	1,026.75	1,016.53	10.22	100.433		
1,100.00	1,091.88	889.11	884.34	5.71	5.28	-77.29	260.53	-1,019.70	1,038.83	1,027.94	10.90	95.319		
1,200.00	1,190.48	954.80	948.89	6.10	5.57	-77.68	265.95	-1,030.57	1,053.05	1,041.53	11.52	91.422		
1,300.00	1,289.07	1,016.90	1,009.59	6.49	5.86	-78.10	270.22	-1,042.97	1,070.58	1,058.45	12.13	88.245		
1,400.00	1,387.67	1,078.20	1,069.00	6.90	6.17	-78.48	275.28	-1,057.18	1,091.57	1,078.83	12.74	85.671		
1,500.00	1,486.27	1,146.17	1,134.35	7.31	6.55	-78.86	281.67	-1,074.76	1,115.47	1,102.09	13.38	83.351		
1,600.00	1,584.87	1,243.58	1,227.59	7.73	7.14	-79.37	291.14	-1,101.30	1,140.89	1,126.71	14.18	80.473		
1,700.00	1,683.47	1,322.28	1,302.81	8.16	7.64	-79.75	299.06	-1,123.04	1,166.81	1,151.91	14.89	78.344		
1,800.00	1,782.07	1,435.19	1,410.47	8.59	8.40	-80.14	313.21	-1,153.94	1,192.76	1,176.93	15.83	75.351		
1,900.00	1,880.67	1,506.65	1,478.39	9.02	8.90	-80.31	323.45	-1,173.65	1,219.16	1,202.63	16.54	73.721		
2,000.00	1,979.27	1,589.70	1,556.89	9.46	9.52	-80.48	335.88	-1,197.78	1,247.12	1,229.79	17.33	71.965		
2,100.00	2,077.87	1,705.61	1,666.33	9.90	10.39	-80.66	354.41	-1,231.14	1,274.96	1,256.59	18.37	69.421		
2,200.00	2,176.47	1,824.02	1,778.51	10.35	11.29	-80.75	374.81	-1,263.07	1,301.09	1,281.64	19.44	66.915		
2,300.00	2,275.07	1,930.56	1,879.72	10.79	12.09	-80.79	394.02	-1,290.23	1,325.81	1,305.36	20.45	64.825		
2,400.00	2,373.67	2,042.70	1,986.52	11.24	12.92	-80.85	413.70	-1,318.19	1,349.96	1,328.45	21.51	62.762		
2,500.00	2,472.27	2,117.20	2,057.48	11.69	13.49	-80.90	426.66	-1,336.84	1,374.19	1,351.89	22.30	61.624		
2,600.00	2,570.87	2,232.48	2,167.12	12.14	14.36	-80.97	446.55	-1,366.35	1,399.02	1,375.62	23.40	59.788		
2,700.00	2,669.47	2,313.30	2,244.22	12.59	14.97	-81.07	459.39	-1,386.91	1,423.47	1,399.23	24.24	58.730		
2,800.00	2,768.07	2,397.59	2,324.40	13.04	15.63	-81.15	473.05	-1,409.04	1,448.79	1,423.68	25.11	57.705		
2,900.00	2,866.67	2,496.82	2,418.53	13.50	16.41	-81.21	490.19	-1,435.34	1,474.48	1,448.37	26.10	56.483		
3,000.00	2,965.27	2,574.52	2,491.89	13.95	17.04	-81.20	504.97	-1,456.24	1,500.71	1,473.78	26.94	55.709		
3,100.00	3,063.87	2,661.03	2,572.92	14.41	17.77	-81.10	523.76	-1,479.98	1,527.83	1,499.97	27.86	54.838		
3,200.00	3,162.47	3,200.00	2,790.26	14.87	21.89	-80.70	577.35	-1,536.90	1,554.09	1,522.29	31.80	48.867		
3,300.00	3,261.07	3,135.00	3,026.51	15.32	21.14	-80.71	620.52	-1,571.83	1,566.52	1,534.68	31.84	49.205		
3,400.00	3,359.67	3,286.94	3,176.71	15.78	21.90	-81.07	637.64	-1,586.84	1,575.04	1,542.02	33.02	47.706		
3,500.00	3,458.27	3,445.88	3,334.89	16.24	22.57	-81.69	647.91	-1,598.12	1,580.56	1,546.43	34.13	46.311		
3,600.00	3,556.87	3,576.75	3,465.59	16.70	23.03	-82.35	651.79	-1,603.37	1,582.51	1,547.41	35.10	45.088		
3,700.00	3,655.47	3,701.85	3,590.67	17.16	23.41	-83.12	651.48	-1,605.79	1,582.20	1,546.18	36.02	43.930		
3,800.00	3,754.06	3,806.65	3,695.45	17.62	23.71	-83.79	650.22	-1,607.42	1,581.77	1,544.88	36.88	42.885		
3,900.00	3,852.66	3,907.00	3,795.77	18.08	23.99	-84.45	648.81	-1,608.58	1,581.13	1,543.39	37.74	41.890		
4,000.00	3,951.26	4,002.26	3,891.01	18.54	24.27	-85.09	647.11	-1,609.76	1,580.77	1,542.18	38.60	40.956		
4,006.35	3,957.52	4,008.29	3,897.05	18.57	24.28	-85.13	646.98	-1,609.84	1,580.77	1,542.12	38.65	40.899		
4,100.00	4,049.86	4,078.24	3,966.96	19.01	24.49	-85.60	645.52	-1,611.33	1,581.43	1,542.02	39.41	40.123		
4,200.00	4,148.46	4,194.57	4,083.24	19.47	24.85	-86.37	643.74	-1,614.26	1,582.83	1,542.51	40.32	39.256		
4,300.00	4,247.06	4,332.85	4,221.51	19.93	25.28	-87.18	644.30	-1,613.92	1,581.41	1,540.16	41.25	38.333		
4,400.00	4,345.66	4,431.39	4,320.04	20.39	25.58	-87.73	645.73	-1,613.02	1,579.73	1,537.60	42.13	37.499		
4,500.00	4,444.26	4,521.65	4,410.28	20.86	25.87	-88.22	647.16	-1,612.42	1,578.44	1,535.45	42.99	36.714		
4,600.00	4,542.86	4,625.08	4,513.69	21.32	26.21	-88.78	649.07	-1,611.99	1,577.53	1,533.65	43.88	35.948		
4,700.00	4,641.46	4,712.67	4,601.26	21.78	26.50	-89.25	650.63	-1,611.75	1,576.90	1,532.15	44.75	35.238		
4,800.00	4,740.06	4,839.32	4,727.91	22.25	26.89	-90.03	650.55	-1,610.15	1,575.42	1,529.76	45.66	34.501		
4,900.00	4,838.66	4,929.56	4,818.12	22.71	27.16	-90.60	649.77	-1,608.76	1,574.01	1,527.49	46.51	33.839		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	5,019.47	4,908.03	23.18	27.44	-91.16	649.46	-1,607.85	1,573.27	1,525.90	47.37	33.215		
5,042.28	4,978.95	5,056.76	4,945.33	23.37	27.56	-91.39	649.41	-1,607.64	1,573.19	1,525.47	47.73	32.963		
5,100.00	5,035.86	5,109.37	4,997.93	23.64	27.73	-91.71	649.38	-1,607.51	1,573.31	1,525.08	48.22	32.625		
5,200.00	5,134.46	5,199.44	5,088.00	24.11	28.03	-92.25	649.52	-1,607.61	1,574.00	1,524.91	49.09	32.063		
5,300.00	5,233.06	5,291.62	5,180.18	24.57	28.36	-92.79	649.97	-1,608.30	1,575.44	1,525.48	49.97	31.530		
5,400.00	5,331.66	5,381.85	5,270.41	25.04	28.68	-93.33	650.14	-1,609.20	1,577.35	1,526.51	50.84	31.028		
5,500.00	5,430.26	5,471.50	5,360.04	25.50	29.00	-93.85	650.67	-1,610.81	1,580.14	1,528.43	51.70	30.561		
5,600.00	5,528.86	5,579.24	5,467.73	25.97	29.41	-94.42	652.67	-1,613.01	1,583.18	1,530.54	52.63	30.079		
5,700.00	5,627.46	5,710.04	5,598.51	26.43	29.88	-95.14	654.35	-1,613.73	1,584.99	1,531.38	53.61	29.566		
5,800.00	5,726.06	5,809.51	5,697.98	26.90	30.20	-95.75	653.97	-1,612.84	1,585.75	1,531.27	54.48	29.108		
5,900.00	5,824.66	5,894.57	5,783.03	27.36	30.48	-96.28	653.67	-1,612.58	1,587.26	1,531.93	55.32	28.691		
6,000.00	5,923.26	5,988.01	5,876.47	27.83	30.80	-96.84	653.48	-1,612.79	1,589.45	1,533.26	56.19	28.287		
6,100.00	6,021.86	6,079.96	5,968.42	28.30	31.13	-97.38	653.52	-1,613.37	1,592.17	1,535.11	57.06	27.903		
6,200.00	6,120.46	6,168.74	6,057.19	28.76	31.47	-97.88	654.09	-1,614.49	1,595.56	1,537.63	57.93	27.545		
6,300.00	6,219.06	6,259.98	6,148.40	29.23	31.82	-98.37	655.37	-1,616.44	1,599.77	1,540.97	58.80	27.206		
6,405.66	6,323.24	6,392.96	6,281.32	29.72	32.34	-99.04	658.05	-1,618.78	1,603.95	1,544.10	59.85	26.799		
6,450.00	6,366.93	6,437.00	6,325.37	29.93	32.50	-122.01	658.31	-1,618.82	1,606.65	1,546.41	60.24	26.670		
6,500.00	6,415.96	6,480.81	6,369.17	30.15	32.65	-141.77	658.03	-1,618.88	1,613.47	1,552.81	60.66	26.600 SF		
6,550.00	6,464.44	6,524.41	6,412.77	30.37	32.80	-154.59	657.39	-1,618.99	1,624.26	1,563.20	61.06	26.602		
6,600.00	6,512.08	6,567.35	6,455.71	30.58	32.95	-162.94	656.84	-1,619.24	1,638.91	1,577.47	61.44	26.674		
6,650.00	6,558.58	6,624.88	6,513.23	30.78	33.15	-168.77	656.11	-1,619.54	1,657.17	1,595.31	61.86	26.791		
6,700.00	6,603.65	6,689.27	6,577.61	30.97	33.37	-173.13	654.91	-1,619.09	1,678.46	1,616.18	62.28	26.952		
6,750.00	6,647.02	6,734.72	6,623.04	31.15	33.52	-176.52	654.00	-1,618.52	1,702.91	1,640.29	62.62	27.194		
6,800.00	6,688.42	6,780.58	6,668.89	31.31	33.68	-179.37	653.10	-1,617.80	1,730.47	1,667.51	62.95	27.488		
6,850.00	6,727.59	6,822.52	6,710.82	31.46	33.82	-178.11	652.56	-1,617.13	1,761.03	1,697.77	63.26	27.839		
6,900.00	6,764.29	6,861.98	6,750.27	31.60	33.95	-175.76	652.36	-1,616.52	1,794.42	1,730.89	63.54	28.242		
6,950.00	6,798.30	6,891.46	6,779.76	31.73	34.06	-173.39	652.30	-1,616.13	1,830.55	1,766.78	63.77	28.704		
7,000.00	6,829.41	6,919.87	6,808.16	31.84	34.16	-170.88	652.31	-1,615.81	1,869.20	1,805.21	63.98	29.214		
7,050.00	6,857.42	6,945.77	6,834.06	32.03	34.25	-168.05	652.36	-1,615.58	1,910.11	1,845.94	64.17	29.768		
7,100.00	6,882.16	6,970.89	6,859.18	32.36	34.34	-164.72	652.45	-1,615.37	1,953.01	1,888.68	64.33	30.359		
7,150.00	6,903.48	6,992.59	6,880.88	32.73	34.42	-160.52	652.56	-1,615.21	1,997.63	1,933.17	64.47	30.987		
7,200.00	6,921.25	7,010.73	6,899.02	33.15	34.49	-154.94	652.68	-1,615.07	2,043.70	1,979.13	64.57	31.650		
7,250.00	6,935.36	7,025.20	6,913.48	33.61	34.54	-147.10	652.80	-1,614.97	2,090.94	2,026.29	64.65	32.344		
7,300.00	6,945.72	7,035.90	6,924.19	34.11	34.58	-135.63	652.89	-1,614.89	2,139.06	2,074.37	64.70	33.063		
7,350.00	6,952.26	7,042.79	6,931.07	34.65	34.61	-118.86	652.95	-1,614.85	2,187.79	2,123.07	64.72	33.805		
7,403.14	6,955.00	7,045.88	6,934.17	35.26	34.62	-95.62	652.98	-1,614.82	2,239.90	2,175.18	64.71	34.612		
7,500.00	6,955.99	7,047.54	6,935.82	36.49	34.62	-95.84	653.00	-1,614.81	2,335.05	2,270.36	64.69	36.096		
7,600.00	6,957.03	7,049.25	6,937.53	37.93	34.63	-96.07	653.01	-1,614.80	2,433.43	2,368.76	64.67	37.627		
7,700.00	6,958.06	7,050.95	6,939.23	39.52	34.64	-96.29	653.03	-1,614.79	2,531.93	2,467.27	64.66	39.156		
7,800.00	6,959.09	7,052.64	6,940.93	41.25	34.64	-96.52	653.05	-1,614.78	2,630.55	2,565.89	64.66	40.683		
7,900.00	6,960.12	7,054.33	6,942.62	43.09	34.65	-96.74	653.07	-1,614.77	2,729.27	2,664.60	64.66	42.209		
8,000.00	6,961.15	7,056.02	6,944.30	45.04	34.65	-96.97	653.08	-1,614.76	2,828.07	2,763.40	64.67	43.733		
8,100.00	6,962.18	7,057.70	6,945.98	47.08	34.66	-97.19	653.10	-1,614.75	2,926.96	2,862.28	64.68	45.254		
8,200.00	6,963.21	7,059.37	6,947.66	49.20	34.67	-97.41	653.12	-1,614.74	3,025.91	2,961.22	64.69	46.774		
8,300.00	6,964.24	7,061.05	6,949.33	51.39	34.67	-97.64	653.14	-1,614.72	3,124.93	3,060.23	64.71	48.292		
8,400.00	6,965.27	7,062.71	6,951.00	53.64	34.68	-97.86	653.15	-1,614.71	3,224.02	3,159.29	64.73	49.807		
8,500.00	6,966.30	7,064.37	6,952.66	55.95	34.69	-98.08	653.17	-1,614.70	3,323.15	3,258.40	64.75	51.321		
8,600.00	6,967.33	7,066.03	6,954.31	58.30	34.69	-98.30	653.19	-1,614.69	3,422.34	3,357.56	64.78	52.832		
8,700.00	6,968.37	7,067.68	6,955.97	60.70	34.70	-98.51	653.21	-1,614.68	3,521.57	3,456.76	64.81	54.341		
8,800.00	6,969.40	7,069.33	6,957.61	63.14	34.70	-98.73	653.23	-1,614.67	3,620.84	3,556.01	64.83	55.847		
8,900.00	6,970.43	7,070.97	6,959.26	65.60	34.71	-98.95	653.25	-1,614.66	3,720.15	3,655.29	64.87	57.352		
9,000.00	6,971.46	7,072.61	6,960.89	68.10	34.72	-99.16	653.26	-1,614.65	3,819.50	3,754.60	64.90	58.853		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,972.49	7,074.25	6,962.53	70.63	34.72	99.38	653.28	-1,614.64	3,918.88	3,853.94	64.93	60.353		
9,200.00	6,973.52	7,075.87	6,964.16	73.18	34.73	99.59	653.30	-1,614.63	4,018.29	3,953.32	64.97	61.849		
9,300.00	6,974.55	7,077.50	6,965.78	75.75	34.73	99.81	653.32	-1,614.62	4,117.72	4,052.72	65.01	63.343		
9,400.00	6,975.58	7,079.12	6,967.40	78.34	34.74	100.02	653.34	-1,614.61	4,217.19	4,152.14	65.05	64.835		
9,500.00	6,976.61	7,080.73	6,969.02	80.94	34.75	100.23	653.36	-1,614.60	4,316.67	4,251.59	65.09	66.323		
9,600.00	6,977.64	7,082.34	6,970.63	83.56	34.75	100.44	653.38	-1,614.59	4,416.18	4,351.06	65.13	67.809		
9,700.00	6,978.68	7,083.95	6,972.23	86.20	34.76	100.65	653.40	-1,614.58	4,515.71	4,450.54	65.17	69.292		
9,800.00	6,979.71	7,085.55	6,973.83	88.85	34.76	100.86	653.42	-1,614.57	4,615.26	4,550.05	65.21	70.772		
9,900.00	6,980.74	7,087.15	6,975.43	91.51	34.77	101.07	653.44	-1,614.56	4,714.83	4,649.57	65.26	72.249		
10,000.00	6,981.77	7,088.74	6,977.02	94.19	34.77	101.27	653.46	-1,614.55	4,814.42	4,749.11	65.30	73.723		
10,100.00	6,982.80	7,090.33	6,978.61	96.87	34.78	101.48	653.48	-1,614.54	4,914.02	4,848.67	65.35	75.194		
10,200.00	6,983.83	7,091.91	6,980.19	99.56	34.79	101.69	653.50	-1,614.53	5,013.64	4,948.24	65.40	76.662		
10,300.00	6,984.86	7,093.49	6,981.77	102.27	34.79	101.89	653.52	-1,614.52	5,113.27	5,047.82	65.45	78.127		
10,400.00	6,985.89	7,095.07	6,983.35	104.98	34.80	102.09	653.54	-1,614.51	5,212.91	5,147.42	65.50	79.588		
10,500.00	6,986.92	7,096.64	6,984.92	107.69	34.80	102.30	653.56	-1,614.50	5,312.57	5,247.02	65.55	81.046		
10,600.00	6,987.95	7,098.20	6,986.48	110.41	34.81	102.50	653.58	-1,614.49	5,412.24	5,346.64	65.60	82.501		
10,700.00	6,988.99	7,099.77	6,988.05	113.14	34.82	102.70	653.60	-1,614.48	5,511.93	5,446.27	65.66	83.952		
10,800.00	6,990.02	7,101.32	6,989.60	115.88	34.82	102.90	653.62	-1,614.48	5,611.62	5,545.91	65.71	85.400		
10,900.00	6,991.05	7,102.88	6,991.16	118.62	34.83	103.10	653.64	-1,614.47	5,711.32	5,645.56	65.76	86.844		
11,000.00	6,992.08	7,104.43	6,992.70	121.37	34.83	103.30	653.67	-1,614.46	5,811.03	5,745.21	65.82	88.285		
11,100.00	6,993.11	7,105.97	6,994.25	124.12	34.84	103.50	653.69	-1,614.45	5,910.76	5,844.88	65.88	89.722		
11,200.00	6,994.14	7,107.51	6,995.79	126.87	34.84	103.69	653.71	-1,614.44	6,010.49	5,944.55	65.94	91.156		
11,300.00	6,995.17	7,109.05	6,997.33	129.63	34.85	103.89	653.73	-1,614.43	6,110.23	6,044.23	66.00	92.585		
11,400.00	6,996.20	7,110.58	6,998.86	132.39	34.85	104.08	653.75	-1,614.42	6,209.98	6,143.92	66.06	94.011		
11,500.00	6,997.23	7,112.11	7,000.38	135.16	34.86	104.28	653.77	-1,614.41	6,309.73	6,243.61	66.12	95.434		
11,600.00	6,998.26	7,113.63	7,001.91	137.93	34.87	104.47	653.79	-1,614.40	6,409.49	6,343.31	66.18	96.852		
11,700.00	6,999.30	7,115.15	7,003.43	140.70	34.87	104.67	653.82	-1,614.40	6,509.26	6,443.02	66.24	98.266		
11,800.00	7,000.33	7,116.66	7,004.94	143.48	34.88	104.86	653.84	-1,614.39	6,609.04	6,542.73	66.30	99.677		
11,900.00	7,001.36	7,118.18	7,006.45	146.26	34.88	105.05	653.86	-1,614.38	6,708.82	6,642.45	66.37	101.083		
12,000.00	7,002.39	7,119.68	7,007.96	149.04	34.89	105.24	653.88	-1,614.37	6,808.61	6,742.17	66.43	102.486		
12,100.00	7,003.42	7,121.18	7,009.46	151.82	34.89	105.43	653.90	-1,614.36	6,908.40	6,841.90	66.50	103.884		
12,200.00	7,004.45	7,122.68	7,010.96	154.61	34.90	105.62	653.93	-1,614.35	7,008.20	6,941.63	66.57	105.278		
12,300.00	7,005.48	7,124.18	7,012.46	157.40	34.90	105.80	653.95	-1,614.34	7,108.01	7,041.37	66.64	106.668		
12,400.00	7,006.51	7,125.67	7,013.95	160.19	34.91	105.99	653.97	-1,614.34	7,207.82	7,141.11	66.71	108.054		
12,500.00	7,007.54	7,127.16	7,015.43	162.98	34.92	106.18	653.99	-1,614.33	7,307.63	7,240.85	66.78	109.436		
12,600.00	7,008.57	7,128.64	7,016.91	165.78	34.92	106.36	654.02	-1,614.32	7,407.45	7,340.60	66.85	110.813		
12,700.00	7,009.61	7,129.65	7,017.92	168.58	34.93	106.49	654.03	-1,614.31	7,507.27	7,440.36	66.92	112.188		
12,800.00	7,010.64	7,131.06	7,019.33	171.38	34.93	106.66	654.05	-1,614.31	7,607.10	7,540.11	66.99	113.557		
12,900.00	7,011.67	7,132.47	7,020.74	174.18	34.94	106.84	654.07	-1,614.30	7,706.93	7,639.87	67.06	114.922		
13,000.00	7,012.70	7,133.87	7,022.14	176.98	34.94	107.01	654.09	-1,614.29	7,806.77	7,739.63	67.14	116.283		
13,100.00	7,013.73	7,135.27	7,023.54	179.78	34.95	107.19	654.11	-1,614.28	7,906.61	7,839.40	67.21	117.638		
13,200.00	7,014.76	7,136.66	7,024.94	182.59	34.95	107.36	654.13	-1,614.28	8,006.46	7,939.17	67.29	118.990		
13,300.00	7,015.79	7,138.05	7,026.33	185.39	34.96	107.53	654.15	-1,614.27	8,106.30	8,038.94	67.36	120.337		
13,400.00	7,016.82	7,139.44	7,027.71	188.20	34.96	107.70	654.17	-1,614.26	8,206.15	8,138.71	67.44	121.679		
13,500.00	7,017.85	7,140.82	7,029.09	191.01	34.97	107.87	654.19	-1,614.26	8,306.01	8,238.49	67.52	123.017		
13,600.00	7,018.88	7,142.20	7,030.47	193.82	34.97	108.04	654.21	-1,614.25	8,405.87	8,338.27	67.60	124.351		
13,700.00	7,019.91	7,143.57	7,031.84	196.63	34.98	108.21	654.23	-1,614.24	8,505.73	8,438.05	67.68	125.679		
13,800.00	7,020.95	7,144.94	7,033.21	199.44	34.98	108.38	654.25	-1,614.23	8,605.59	8,537.83	67.76	127.004		
13,900.00	7,021.98	7,146.31	7,034.58	202.26	34.99	108.54	654.27	-1,614.23	8,705.46	8,637.62	67.84	128.323		
14,000.00	7,023.01	7,147.67	7,035.94	205.07	34.99	108.71	654.29	-1,614.22	8,805.33	8,737.40	67.92	129.638		
14,100.00	7,024.04	7,149.03	7,037.30	207.89	35.00	108.87	654.31	-1,614.21	8,905.20	8,837.19	68.01	130.948		
14,200.00	7,025.07	7,150.38	7,038.65	210.70	35.00	109.04	654.33	-1,614.21	9,005.07	8,936.98	68.09	132.253		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,300.00	7,026.10	7,151.73	7,040.00	213.52	35.01	109.20	654.35	-1,614.20	9,104.95	9,036.78	68.17	133.554		
14,400.00	7,027.13	7,153.08	7,041.35	216.34	35.01	109.37	654.37	-1,614.19	9,204.83	9,136.57	68.26	134.850		
14,500.00	7,028.16	7,154.42	7,042.69	219.16	35.02	109.53	654.39	-1,614.19	9,304.71	9,236.36	68.35	136.141		
14,600.00	7,029.19	7,155.76	7,044.03	221.98	35.02	109.69	654.41	-1,614.18	9,404.60	9,336.16	68.43	137.427		
14,700.00	7,030.22	7,157.09	7,045.36	224.80	35.03	109.85	654.43	-1,614.17	9,504.48	9,435.96	68.52	138.709		
14,800.00	7,031.26	7,158.42	7,046.70	227.62	35.03	110.01	654.45	-1,614.17	9,604.37	9,535.76	68.61	139.985		
14,900.00	7,032.29	7,159.75	7,048.02	230.44	35.04	110.17	654.46	-1,614.16	9,704.26	9,635.56	68.70	141.257		
15,000.00	7,033.32	7,161.07	7,049.35	233.26	35.04	110.33	654.48	-1,614.15	9,804.15	9,735.36	68.79	142.524		
15,100.00	7,034.35	7,162.39	7,050.66	236.09	35.05	110.48	654.50	-1,614.15	9,904.05	9,835.17	68.88	143.786		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-79.15	182.90	-954.53	972.64					
100.00	100.00	57.15	57.15	3.28	3.29	-79.15	182.92	-954.64	972.01	965.44	6.57	147.901	CC, ES	
200.00	200.00	146.60	146.60	3.34	3.34	-79.15	183.09	-955.55	973.06	966.38	6.68	145.763		
300.00	299.98	250.22	250.20	3.45	3.45	-76.33	183.49	-957.06	974.15	967.25	6.89	141.304		
400.00	399.84	339.55	339.52	3.61	3.59	-76.60	183.60	-958.61	974.66	967.46	7.19	135.464		
500.00	499.45	437.78	437.70	3.82	3.78	-77.18	182.40	-961.20	975.06	967.47	7.59	128.425		
600.00	598.70	534.95	534.74	4.07	4.02	-78.11	178.50	-964.25	974.90	966.83	8.06	120.882		
616.11	614.65	548.20	547.96	4.11	4.05	-78.27	177.72	-964.74	974.88	966.74	8.14	119.722		
680.00	677.76	600.30	599.89	4.29	4.19	-78.96	174.10	-967.11	975.16	966.70	8.46	115.206		
700.00	697.48	616.52	616.02	4.35	4.24	-79.19	172.80	-967.99	975.39	966.82	8.57	113.822		
800.00	796.08	699.15	698.17	4.66	4.49	-80.44	165.62	-973.24	977.76	968.62	9.13	107.037		
900.00	894.68	790.72	789.04	4.98	4.80	-81.87	156.59	-980.07	981.78	972.00	9.77	100.452		
1,000.00	993.28	882.35	879.87	5.34	5.14	-83.34	146.90	-987.36	986.97	976.51	10.45	94.406		
1,100.00	1,091.88	969.10	965.71	5.71	5.49	-84.76	136.89	-994.85	993.56	982.40	11.15	89.073		
1,200.00	1,190.48	1,038.80	1,034.40	6.10	5.79	-85.96	127.50	-1,001.99	1,002.55	990.73	11.82	84.834		
1,300.00	1,289.07	1,109.77	1,103.92	6.49	6.12	-87.25	116.58	-1,011.17	1,014.99	1,002.49	12.50	81.195		
1,400.00	1,387.67	1,187.69	1,179.89	6.90	6.51	-88.68	103.65	-1,022.66	1,030.21	1,016.98	13.23	77.891		
1,500.00	1,486.27	1,269.37	1,259.21	7.31	6.94	-90.20	89.00	-1,035.51	1,047.50	1,033.51	13.98	74.915		
1,600.00	1,584.87	1,346.19	1,333.44	7.73	7.37	-91.65	74.08	-1,048.48	1,067.07	1,052.35	14.72	72.487		
1,700.00	1,683.47	1,424.37	1,408.68	8.16	7.84	-93.11	58.24	-1,062.64	1,088.94	1,073.47	15.47	70.389		
1,800.00	1,782.07	1,513.67	1,494.35	8.59	8.40	-94.76	39.26	-1,079.25	1,112.47	1,096.18	16.29	68.273		
1,900.00	1,880.67	1,599.38	1,576.25	9.02	8.96	-96.36	19.63	-1,095.14	1,137.32	1,120.21	17.10	66.492		
2,000.00	1,979.27	1,707.68	1,679.82	9.46	9.68	-98.32	-5.54	-1,114.33	1,162.49	1,144.42	18.08	64.307		
2,100.00	2,077.87	1,779.00	1,747.94	9.90	10.17	-99.60	-22.66	-1,126.67	1,188.61	1,169.82	18.79	63.271		
2,200.00	2,176.47	1,843.27	1,808.89	10.35	10.63	-100.75	-39.14	-1,138.67	1,217.39	1,197.96	19.44	62.632		
2,300.00	2,275.07	1,920.43	1,881.56	10.79	11.21	-102.09	-59.53	-1,154.69	1,249.06	1,228.88	20.18	61.902		
2,400.00	2,373.67	2,021.54	1,977.15	11.24	11.97	-103.70	-84.69	-1,175.96	1,281.37	1,260.26	21.11	60.696		
2,500.00	2,472.27	2,113.84	2,064.69	11.69	12.66	-105.08	-107.04	-1,194.87	1,313.69	1,291.72	21.97	59.803		
2,600.00	2,570.87	2,207.12	2,153.20	12.14	13.36	-106.40	-129.43	-1,214.00	1,346.63	1,323.80	22.83	58.987		
2,700.00	2,669.47	2,314.14	2,254.92	12.59	14.16	-107.86	-155.13	-1,235.11	1,379.56	1,355.75	23.81	57.950		
2,800.00	2,768.07	2,382.46	2,319.92	13.04	14.68	-108.73	-170.96	-1,248.95	1,413.14	1,388.69	24.45	57.799		
2,900.00	2,866.67	2,480.79	2,413.36	13.50	15.42	-109.89	-193.33	-1,269.84	1,447.92	1,422.57	25.35	57.121		
3,000.00	2,965.27	2,573.07	2,501.15	13.95	16.12	-110.96	-214.72	-1,288.57	1,482.53	1,456.34	26.20	56.595		
3,100.00	3,063.87	2,636.05	2,560.93	14.41	16.61	-111.66	-229.40	-1,301.86	1,518.34	1,491.56	26.78	56.695		
3,200.00	3,162.47	2,704.64	2,625.73	14.87	17.16	-112.37	-245.39	-1,317.68	1,556.10	1,528.69	27.41	56.767		
3,300.00	3,261.07	2,863.80	2,776.25	15.32	18.42	-114.05	-284.56	-1,351.35	1,593.82	1,564.95	28.87	55.199		
3,400.00	3,359.67	2,958.13	2,866.22	15.78	19.13	-115.02	-307.28	-1,368.29	1,628.66	1,598.91	29.74	54.757		
3,500.00	3,458.27	3,050.97	2,954.57	16.24	19.84	-115.99	-330.76	-1,384.47	1,664.11	1,633.51	30.60	54.381		
3,600.00	3,556.87	3,179.53	3,077.54	16.70	20.79	-117.24	-361.69	-1,405.65	1,698.55	1,666.79	31.76	53.476		
3,700.00	3,655.47	3,246.44	3,141.87	17.16	21.28	-117.79	-375.71	-1,417.52	1,732.76	1,700.37	32.39	53.499		
3,800.00	3,754.06	3,353.29	3,244.24	17.62	22.06	-118.61	-398.43	-1,438.04	1,768.58	1,735.22	33.36	53.017		
3,900.00	3,852.66	3,494.47	3,380.21	18.08	23.06	-119.82	-430.14	-1,458.79	1,801.54	1,766.93	34.61	52.048		
4,000.00	3,951.26	3,576.02	3,458.69	18.54	23.64	-120.55	-449.92	-1,468.86	1,834.28	1,798.91	35.37	51.858		
4,100.00	4,049.86	3,642.00	3,522.08	19.01	24.11	-121.12	-465.89	-1,477.74	1,868.19	1,832.19	36.00	51.897		
4,200.00	4,148.46	3,693.14	3,571.03	19.47	24.49	-121.54	-478.44	-1,485.55	1,903.98	1,867.49	36.49	52.183		
4,300.00	4,247.06	3,742.26	3,617.74	19.93	24.87	-121.93	-491.04	-1,494.04	1,942.06	1,905.12	36.94	52.572		
4,400.00	4,345.66	3,801.89	3,674.13	20.39	25.35	-122.39	-507.10	-1,504.99	1,981.97	1,944.48	37.49	52.869		
4,500.00	4,444.26	3,873.73	3,741.71	20.86	25.94	-122.95	-527.29	-1,518.60	2,023.25	1,985.10	38.15	53.029		
4,600.00	4,542.86	3,959.53	3,822.29	21.32	26.65	-123.60	-551.71	-1,535.05	2,065.18	2,026.21	38.96	53.005		
4,700.00	4,641.46	4,191.44	4,042.37	21.78	28.48	-125.11	-610.71	-1,577.66	2,105.94	2,064.79	41.15	51.176		
4,800.00	4,740.06	4,266.00	4,114.14	22.25	29.02	-125.44	-624.38	-1,592.55	2,142.50	2,100.66	41.84	51.204		
4,900.00	4,838.66	4,322.40	4,168.23	22.71	29.43	-125.66	-634.61	-1,604.78	2,180.26	2,137.89	42.37	51.457		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	4,427.57	4,268.80	23.18	30.22	-126.11	-655.86	-1,627.04	2,219.12	2,175.78	43.34	51.198		
5,100.00	5,035.86	4,549.15	4,385.57	23.64	31.11	-126.65	-680.44	-1,650.31	2,256.57	2,212.11	44.46	50.751		
5,200.00	5,134.46	4,678.40	4,707.05	24.11	33.17	-128.13	-735.11	-1,694.00	2,285.08	2,237.97	47.11	48.504		
5,300.00	5,233.06	5,013.78	4,840.57	24.57	33.91	-128.66	-752.01	-1,708.57	2,311.90	2,263.69	48.21	47.953		
5,400.00	5,331.66	5,275.46	5,100.34	25.04	35.15	-129.64	-776.36	-1,727.61	2,333.96	2,284.04	49.92	46.753		
5,500.00	5,430.26	5,426.33	5,250.72	25.50	35.77	-130.21	-787.02	-1,733.50	2,352.73	2,301.75	50.98	46.148		
5,600.00	5,528.86	5,627.27	5,451.49	25.97	36.45	-130.94	-794.57	-1,735.09	2,366.20	2,314.05	52.15	45.375		
5,700.00	5,627.46	5,710.28	5,534.46	26.43	36.72	-131.23	-796.97	-1,735.18	2,379.33	2,326.40	52.93	44.954		
5,800.00	5,726.06	5,894.97	5,719.12	26.90	37.27	-131.81	-798.46	-1,735.71	2,391.47	2,337.52	53.96	44.323		
5,900.00	5,824.66	5,983.54	5,807.67	27.36	37.50	-132.03	-796.64	-1,736.22	2,401.65	2,346.92	54.73	43.883		
6,000.00	5,923.26	6,080.24	5,904.34	27.83	37.75	-132.26	-794.55	-1,737.22	2,412.11	2,356.58	55.52	43.442		
6,100.00	6,021.86	6,175.88	5,999.95	28.30	38.01	-132.49	-792.43	-1,738.31	2,422.65	2,366.33	56.32	43.015		
6,200.00	6,120.46	6,266.68	6,090.71	28.76	38.27	-132.69	-790.25	-1,739.94	2,433.54	2,376.43	57.11	42.609		
6,300.00	6,219.06	6,370.66	6,194.65	29.23	38.56	-132.92	-787.82	-1,741.96	2,444.63	2,386.69	57.94	42.193		
6,405.66	6,323.24	6,468.03	6,291.96	29.72	38.84	-133.13	-785.27	-1,743.83	2,456.16	2,397.37	58.79	41.782		
6,450.00	6,366.93	6,505.25	6,329.17	29.93	38.95	-135.25	-784.43	-1,744.64	2,462.27	2,403.13	59.13	41.640		
6,500.00	6,415.96	6,547.71	6,371.61	30.15	39.08	-176.30	-783.58	-1,745.62	2,471.83	2,412.31	59.52	41.527		
6,550.00	6,464.44	6,590.38	6,414.26	30.37	39.21	170.52	-782.83	-1,746.65	2,484.17	2,424.26	59.91	41.465		
6,600.00	6,512.08	6,636.47	6,460.32	30.58	39.35	161.72	-782.07	-1,747.79	2,499.13	2,438.83	60.31	41.441 SF		
6,650.00	6,558.58	6,682.52	6,506.35	30.78	39.49	155.43	-781.34	-1,748.94	2,516.62	2,455.92	60.69	41.463		
6,700.00	6,603.65	6,732.87	6,556.68	30.97	39.65	150.58	-780.43	-1,750.21	2,536.45	2,475.36	61.09	41.518		
6,750.00	6,647.02	6,782.90	6,606.68	31.15	39.80	146.58	-779.36	-1,751.48	2,558.51	2,497.03	61.48	41.614		
6,800.00	6,688.42	6,832.93	6,656.68	31.31	39.95	143.08	-778.02	-1,752.79	2,582.67	2,520.80	61.86	41.747		
6,850.00	6,727.59	6,874.70	6,698.41	31.46	40.08	139.77	-776.70	-1,753.92	2,608.85	2,546.63	62.22	41.932		
6,900.00	6,764.29	6,909.89	6,733.56	31.60	40.18	136.47	-775.54	-1,754.91	2,637.05	2,574.51	62.54	42.163		
6,950.00	6,798.30	6,942.27	6,765.92	31.73	40.28	133.12	-774.45	-1,755.86	2,667.16	2,604.31	62.86	42.433		
7,000.00	6,829.41	6,981.21	6,804.81	31.84	40.40	129.78	-773.09	-1,756.98	2,698.99	2,635.81	63.18	42.718		
7,050.00	6,857.42	7,016.54	6,840.11	32.03	40.50	126.24	-771.78	-1,757.90	2,732.35	2,668.85	63.49	43.034		
7,100.00	6,882.16	7,047.79	6,871.33	32.36	40.59	122.43	-770.57	-1,758.64	2,767.09	2,703.30	63.79	43.379		
7,150.00	6,903.48	7,064.61	6,888.13	32.73	40.64	118.04	-769.93	-1,759.05	2,803.13	2,739.09	64.04	43.773		
7,200.00	6,921.25	7,081.73	6,905.23	33.15	40.69	113.37	-769.27	-1,759.45	2,840.26	2,775.97	64.29	44.182		
7,250.00	6,935.36	7,095.07	6,918.56	33.61	40.73	108.34	-768.75	-1,759.77	2,878.28	2,813.76	64.52	44.611		
7,300.00	6,945.72	7,104.55	6,928.03	34.11	40.76	102.99	-768.38	-1,759.99	2,916.98	2,852.24	64.74	45.056		
7,350.00	6,952.26	7,110.10	6,933.57	34.65	40.78	97.40	-768.17	-1,760.12	2,956.14	2,891.20	64.95	45.516		
7,403.14	6,955.00	7,111.66	6,935.13	35.26	40.78	91.32	-768.11	-1,760.16	2,998.00	2,932.85	65.15	46.017		
7,500.00	6,955.99	7,110.42	6,933.89	36.49	40.78	91.28	-768.15	-1,760.13	3,074.93	3,009.40	65.53	46.925		
7,600.00	6,957.03	7,109.13	6,932.60	37.93	40.77	91.24	-768.20	-1,760.10	3,155.50	3,089.54	65.96	47.839		
7,700.00	6,958.06	7,107.84	6,931.31	39.52	40.77	91.20	-768.25	-1,760.07	3,237.16	3,170.73	66.42	48.735		
7,800.00	6,959.09	7,106.55	6,930.02	41.25	40.77	91.16	-768.30	-1,760.04	3,319.82	3,252.91	66.91	49.616		
7,900.00	6,960.12	7,105.26	6,928.73	43.09	40.76	91.12	-768.35	-1,760.01	3,403.41	3,335.99	67.41	50.486		
8,000.00	6,961.15	7,103.96	6,927.44	45.04	40.76	91.08	-768.40	-1,759.98	3,487.86	3,419.93	67.93	51.348		
8,100.00	6,962.18	7,102.66	6,926.14	47.08	40.75	91.04	-768.46	-1,759.95	3,573.12	3,504.67	68.45	52.204		
8,200.00	6,963.21	7,101.37	6,924.85	49.20	40.75	91.00	-768.51	-1,759.92	3,659.12	3,590.15	68.97	53.057		
8,300.00	6,964.24	7,100.07	6,923.55	51.39	40.75	90.96	-768.56	-1,759.89	3,745.81	3,676.33	69.49	53.907		
8,400.00	6,965.27	7,098.77	6,922.25	53.64	40.74	90.92	-768.61	-1,759.86	3,833.16	3,763.16	70.00	54.758		
8,500.00	6,966.30	7,097.46	6,920.95	55.95	40.74	90.88	-768.66	-1,759.82	3,921.11	3,850.59	70.51	55.608		
8,600.00	6,967.33	7,096.16	6,919.65	58.30	40.74	90.84	-768.71	-1,759.79	4,009.62	3,938.60	71.02	56.460		
8,700.00	6,968.37	7,094.85	6,918.34	60.70	40.73	90.80	-768.76	-1,759.76	4,098.66	4,027.15	71.51	57.315		
8,800.00	6,969.40	7,093.55	6,917.04	63.14	40.73	90.76	-768.81	-1,759.73	4,188.19	4,116.20	72.00	58.171		
8,900.00	6,970.43	7,092.24	6,915.73	65.60	40.72	90.72	-768.86	-1,759.70	4,278.19	4,205.72	72.47	59.031		
9,000.00	6,971.46	7,090.93	6,914.42	68.10	40.72	90.68	-768.91	-1,759.67	4,368.63	4,295.69	72.94	59.893		
9,100.00	6,972.49	7,089.62	6,913.11	70.63	40.72	90.64	-768.96	-1,759.64	4,459.47	4,386.07	73.40	60.759		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,200.00	6,973.52	7,088.30	6,911.80	73.18	40.71	90.60	-769.01	-1,759.61	4,550.69	4,476.85	73.84	61.628		
9,300.00	6,974.55	7,086.99	6,910.48	75.75	40.71	90.55	-769.06	-1,759.58	4,642.28	4,568.00	74.28	62.501		
9,400.00	6,975.58	7,085.67	6,909.17	78.34	40.70	90.51	-769.11	-1,759.55	4,734.20	4,659.51	74.70	63.377		
9,500.00	6,976.61	7,084.35	6,907.85	80.94	40.70	90.47	-769.17	-1,759.52	4,826.45	4,751.34	75.11	64.257		
9,600.00	6,977.64	7,083.03	6,906.53	83.56	40.70	90.43	-769.22	-1,759.48	4,919.00	4,843.49	75.51	65.140		
9,700.00	6,978.68	7,081.71	6,905.21	86.20	40.69	90.39	-769.27	-1,759.45	5,011.84	4,935.93	75.91	66.026		
9,800.00	6,979.71	7,080.38	6,903.89	88.85	40.69	90.35	-769.32	-1,759.42	5,104.94	5,028.65	76.29	66.915		
9,900.00	6,980.74	7,079.06	6,902.56	91.51	40.68	90.31	-769.37	-1,759.39	5,198.30	5,121.64	76.66	67.808		
10,000.00	6,981.77	7,077.73	6,901.24	94.19	40.68	90.27	-769.42	-1,759.36	5,291.91	5,214.88	77.03	68.703		
10,100.00	6,982.80	7,076.40	6,899.91	96.87	40.68	90.23	-769.47	-1,759.33	5,385.74	5,308.36	77.38	69.601		
10,200.00	6,983.83	7,075.07	6,898.58	99.56	40.67	90.18	-769.52	-1,759.30	5,479.79	5,402.07	77.72	70.502		
10,300.00	6,984.86	7,073.74	6,897.25	102.27	40.67	90.14	-769.58	-1,759.27	5,574.05	5,495.99	78.06	71.406		
10,400.00	6,985.89	7,072.41	6,895.92	104.98	40.67	90.10	-769.63	-1,759.23	5,668.51	5,590.12	78.39	72.312		
10,500.00	6,986.92	7,071.07	6,894.59	107.69	40.66	90.06	-769.68	-1,759.20	5,763.15	5,684.44	78.71	73.220		
10,600.00	6,987.95	7,069.74	6,893.25	110.41	40.66	90.02	-769.73	-1,759.17	5,857.97	5,778.94	79.02	74.131		
10,700.00	6,988.99	7,068.40	6,891.91	113.14	40.65	89.98	-769.78	-1,759.14	5,952.95	5,873.63	79.33	75.044		
10,800.00	6,990.02	7,067.06	6,890.57	115.88	40.65	89.94	-769.84	-1,759.11	6,048.10	5,968.48	79.62	75.958		
10,900.00	6,991.05	7,065.72	6,889.23	118.62	40.65	89.89	-769.89	-1,759.08	6,143.41	6,063.49	79.91	76.875		
11,000.00	6,992.08	7,064.37	6,887.89	121.37	40.64	89.85	-769.94	-1,759.04	6,238.86	6,158.66	80.20	77.793		
11,100.00	6,993.11	7,063.03	6,886.55	124.12	40.64	89.81	-769.99	-1,759.01	6,334.45	6,253.97	80.48	78.713		
11,200.00	6,994.14	7,061.68	6,885.20	126.87	40.63	89.77	-770.04	-1,758.98	6,430.17	6,349.43	80.75	79.634		
11,300.00	6,995.17	7,060.33	6,883.86	129.63	40.63	89.73	-770.10	-1,758.95	6,526.02	6,445.01	81.01	80.557		
11,400.00	6,996.20	7,058.98	6,882.51	132.39	40.63	89.69	-770.15	-1,758.92	6,622.00	6,540.73	81.27	81.480		
11,500.00	6,997.23	7,057.63	6,881.16	135.16	40.62	89.64	-770.20	-1,758.88	6,718.09	6,636.57	81.52	82.405		
11,600.00	6,998.26	7,056.28	6,879.80	137.93	40.62	89.60	-770.25	-1,758.85	6,814.29	6,732.52	81.77	83.331		
11,700.00	6,999.30	7,054.92	6,878.45	140.70	40.61	89.56	-770.30	-1,758.82	6,910.61	6,828.59	82.02	84.259		
11,800.00	7,000.33	7,053.56	6,877.09	143.48	40.61	89.52	-770.36	-1,758.79	7,007.02	6,924.77	82.26	85.186		
11,900.00	7,001.36	7,052.20	6,875.74	146.26	40.61	89.48	-770.41	-1,758.75	7,103.53	7,021.05	82.49	86.115		
12,000.00	7,002.39	7,050.84	6,874.38	149.04	40.60	89.43	-770.46	-1,758.72	7,200.14	7,117.42	82.72	87.045		
12,100.00	7,003.42	7,049.48	6,873.02	151.82	40.60	89.39	-770.51	-1,758.69	7,296.84	7,213.90	82.94	87.975		
12,200.00	7,004.45	7,048.12	6,871.65	154.61	40.59	89.35	-770.57	-1,758.66	7,393.63	7,310.47	83.16	88.905		
12,300.00	7,005.48	7,046.75	6,870.29	157.40	40.59	89.31	-770.62	-1,758.63	7,490.50	7,407.12	83.38	89.836		
12,400.00	7,006.51	7,045.39	6,868.92	160.19	40.59	89.26	-770.67	-1,758.59	7,587.45	7,503.86	83.59	90.767		
12,500.00	7,007.54	7,044.02	6,867.56	162.98	40.58	89.22	-770.73	-1,758.56	7,684.48	7,600.68	83.80	91.699		
12,600.00	7,008.57	7,042.65	6,866.19	165.78	40.58	89.18	-770.78	-1,758.53	7,781.58	7,697.96	84.01	92.631		
12,700.00	7,009.61	7,041.28	6,864.82	168.58	40.57	89.14	-770.83	-1,758.50	7,878.75	7,795.13	84.22	93.563		
12,800.00	7,010.64	7,039.91	6,863.45	171.38	40.57	89.10	-770.88	-1,758.47	7,976.00	7,892.30	84.43	94.495		
12,900.00	7,011.67	7,038.54	6,862.08	174.18	40.56	89.06	-770.93	-1,758.44	8,073.31	7,989.51	84.64	95.427		
13,000.00	7,012.70	7,037.17	6,860.71	176.98	40.56	89.02	-770.98	-1,758.41	8,170.68	8,086.88	84.85	96.359		
13,100.00	7,013.73	7,035.80	6,859.34	179.78	40.55	88.98	-771.03	-1,758.38	8,268.14	8,184.25	85.06	97.291		
13,200.00	7,014.76	7,034.43	6,857.97	182.59	40.55	88.94	-771.08	-1,758.35	8,365.64	8,281.75	85.27	98.223		
13,300.00	7,015.79	7,033.06	6,856.60	185.39	40.54	88.90	-771.13	-1,758.32	8,463.20	8,379.31	85.48	99.155		
13,400.00	7,016.82	7,031.69	6,855.23	188.20	40.54	88.86	-771.18	-1,758.29	8,560.82	8,476.93	85.69	100.087		
13,500.00	7,017.85	7,030.32	6,853.86	191.01	40.53	88.82	-771.23	-1,758.26	8,658.49	8,574.60	85.90	101.019		
13,600.00	7,018.88	7,028.95	6,852.49	193.82	40.53	88.78	-771.28	-1,758.23	8,756.21	8,672.32	86.11	101.951		
13,700.00	7,019.91	7,027.58	6,851.12	196.63	40.52	88.74	-771.33	-1,758.20	8,853.98	8,769.99	86.32	102.883		
13,800.00	7,020.95	7,026.21	6,849.75	199.44	40.51	88.70	-771.38	-1,758.17	8,951.80	8,867.81	86.53	103.815		
13,900.00	7,021.98	7,024.84	6,848.38	202.26	40.50	88.66	-771.43	-1,758.14	9,049.67	8,965.68	86.74	104.747		
14,000.00	7,023.01	7,023.47	6,847.01	205.07	40.49	88.62	-771.48	-1,758.11	9,147.58	9,063.60	86.95	105.679		
14,100.00	7,024.04	7,022.10	6,845.64	207.89	40.48	88.58	-771.53	-1,758.08	9,245.54	9,161.66	87.16	106.611		
14,200.00	7,025.07	7,020.63	6,844.27	210.70	40.47	88.54	-771.58	-1,758.05	9,343.54	9,259.76	87.37	107.543		
14,300.00	7,026.10	7,019.26	6,842.90	213.52	40.46	88.50	-771.63	-1,758.02	9,441.58	9,357.89	87.58	108.475		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - WIEDEMAN #5-5 - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,400.00	7,027.13	6,983.97	6,807.57	216.34	40.40	87.37	-772.99	-1,757.05	9,539.66	9,452.54	87.12	109.502	
14,500.00	7,028.16	6,977.29	6,800.90	219.16	40.38	87.16	-773.23	-1,756.87	9,637.78	9,550.52	87.26	110.448	
14,600.00	7,029.19	6,970.22	6,793.83	221.98	40.36	86.94	-773.48	-1,756.67	9,735.93	9,648.53	87.40	111.394	
14,700.00	7,030.22	6,962.71	6,786.34	224.80	40.34	86.71	-773.74	-1,756.46	9,834.12	9,746.59	87.54	112.342	
14,800.00	7,031.26	6,954.73	6,778.37	227.62	40.32	86.47	-774.02	-1,756.23	9,932.35	9,844.68	87.67	113.291	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-82.53	122.43	-934.22	942.93					
100.00	100.00	60.84	60.84	3.28	3.29	-82.53	122.47	-934.26	942.26	935.68	6.57	143.354		
200.00	200.00	156.24	156.24	3.34	3.34	-82.51	122.82	-934.67	942.73	936.05	6.68	141.097		
300.00	299.98	264.95	264.94	3.45	3.46	-79.77	122.22	-935.09	942.73	935.82	6.91	136.469		
400.00	399.84	428.71	428.34	3.61	3.75	-80.90	113.15	-932.06	940.02	932.63	7.39	127.197		
500.00	499.45	563.17	560.98	3.82	4.11	-82.90	94.16	-921.18	928.97	920.99	7.98	116.441		
600.00	598.70	656.80	653.13	4.07	4.42	-84.69	79.89	-912.67	917.31	908.81	8.50	107.861		
680.00	677.76	731.06	726.27	4.29	4.70	-86.24	68.95	-906.01	908.47	899.49	8.98	101.171		
700.00	697.48	749.25	744.20	4.35	4.77	-86.59	66.31	-904.40	906.37	897.27	9.10	99.568		
800.00	796.08	843.58	837.14	4.66	5.15	-88.45	52.47	-896.19	896.58	886.81	9.78	91.703		
900.00	894.68	945.01	936.83	4.98	5.61	-90.59	36.16	-887.07	887.65	877.10	10.55	84.101		
1,000.00	993.28	1,059.45	1,048.13	5.34	6.20	-93.37	12.63	-874.71	878.54	867.05	11.49	76.494		
1,100.00	1,091.88	1,169.06	1,153.61	5.71	6.84	-96.32	-13.21	-859.92	868.82	856.34	12.48	69.616		
1,200.00	1,190.48	1,262.09	1,242.38	6.10	7.44	-99.02	-37.37	-846.07	860.14	846.67	13.46	63.885		
1,300.00	1,289.07	1,356.39	1,331.91	6.49	8.08	-101.88	-63.00	-831.26	853.19	838.68	14.51	58.800		
1,400.00	1,387.67	1,449.88	1,420.58	6.90	8.74	-104.76	-88.42	-816.04	848.15	832.56	15.59	54.406		
1,500.00	1,486.27	1,543.35	1,509.41	7.31	9.41	-107.62	-113.04	-800.53	845.07	828.38	16.69	50.632		
1,590.43	1,575.43	1,625.02	1,586.92	7.69	10.01	-110.15	-134.67	-786.60	844.05	826.37	17.68	47.736 CC		
1,600.00	1,584.87	1,633.24	1,594.72	7.73	10.07	-110.40	-136.84	-785.20	844.06	826.28	17.78	47.462 ES		
1,700.00	1,683.47	1,722.97	1,680.04	8.16	10.73	-113.14	-160.23	-770.20	845.64	826.75	18.88	44.782		
1,800.00	1,782.07	1,817.87	1,770.27	8.59	11.43	-116.02	-184.69	-753.91	849.11	829.10	20.02	42.419		
1,900.00	1,880.67	1,911.45	1,859.66	9.02	12.12	-118.76	-207.40	-738.06	854.42	833.30	21.13	40.443		
2,000.00	1,979.27	1,992.18	1,936.90	9.46	12.71	-121.06	-226.63	-724.59	861.91	839.78	22.12	38.957		
2,100.00	2,077.87	2,064.17	2,005.62	9.90	13.24	-123.11	-245.00	-713.53	873.27	850.24	23.03	37.917		
2,200.00	2,176.47	2,143.52	2,081.44	10.35	13.83	-125.30	-265.71	-702.62	888.14	864.17	23.97	37.052		
2,300.00	2,275.07	2,241.33	2,175.04	10.79	14.54	-127.90	-290.93	-689.59	905.03	879.98	25.05	36.135		
2,400.00	2,373.67	2,343.10	2,272.39	11.24	15.30	-130.53	-316.55	-674.67	922.41	896.26	26.14	35.281		
2,500.00	2,472.27	2,431.33	2,356.80	11.69	15.95	-132.74	-338.57	-661.43	941.15	914.04	27.11	34.718		
2,600.00	2,570.87	2,520.35	2,441.91	12.14	16.62	-134.89	-361.07	-648.25	961.83	933.77	28.06	34.277		
2,700.00	2,669.47	2,604.34	2,522.29	12.59	17.25	-136.84	-382.03	-635.85	983.84	954.89	28.95	33.987		
2,800.00	2,768.07	2,673.14	2,587.85	13.04	17.77	-138.41	-400.50	-626.14	1,008.92	979.26	29.66	34.012		
2,900.00	2,866.67	2,758.15	2,668.44	13.50	18.44	-140.33	-424.63	-613.95	1,036.43	1,005.89	30.53	33.943		
3,000.00	2,965.27	2,870.83	2,775.35	13.95	19.33	-142.77	-455.91	-596.88	1,064.39	1,032.71	31.68	33.594		
3,100.00	3,063.87	2,959.22	2,859.95	14.41	20.00	-144.48	-478.15	-584.27	1,091.91	1,059.35	32.56	33.539		
3,200.00	3,162.47	3,024.38	2,922.08	14.87	20.49	-145.70	-495.75	-575.54	1,122.23	1,089.06	33.16	33.842		
3,300.00	3,261.07	3,131.13	3,023.78	15.32	21.31	-147.62	-524.89	-561.35	1,153.85	1,119.65	34.21	33.731		
3,400.00	3,359.67	3,256.64	3,144.23	15.78	22.24	-149.67	-555.76	-544.26	1,183.89	1,148.46	35.42	33.422		
3,500.00	3,458.27	3,369.88	3,253.57	16.24	23.03	-151.36	-580.83	-528.78	1,212.62	1,176.14	36.48	33.241		
3,600.00	3,556.87	3,371.00	3,254.65	16.70	23.04	-151.38	-581.06	-528.63	1,244.50	1,208.12	36.38	34.204		
3,700.00	3,655.47	3,371.00	3,254.65	17.16	23.04	-151.38	-581.06	-528.63	1,283.41	1,247.31	36.10	35.552		
3,800.00	3,754.06	3,371.00	3,254.65	17.62	23.04	-151.38	-581.06	-528.63	1,328.71	1,293.04	35.67	37.250		
3,900.00	3,852.66	3,371.00	3,254.65	18.08	23.04	-151.38	-581.06	-528.63	1,379.79	1,344.66	35.13	39.274		
4,000.00	3,951.26	3,390.98	3,718.23	18.54	27.49	-161.35	-780.33	-400.20	1,435.81	1,394.70	41.11	34.925		
4,100.00	4,049.86	4,118.64	3,843.58	19.01	28.23	-162.36	-800.35	-386.93	1,464.11	1,421.94	42.17	34.717		
4,200.00	4,148.46	4,241.61	3,965.34	19.47	28.85	-163.06	-815.59	-379.01	1,490.34	1,447.19	43.15	34.540		
4,300.00	4,247.06	4,398.76	4,121.57	19.93	29.55	-163.80	-830.28	-370.77	1,514.18	1,469.90	44.28	34.194		
4,400.00	4,345.66	4,529.06	4,251.60	20.39	30.06	-164.25	-837.37	-366.57	1,534.71	1,489.50	45.21	33.946		
4,500.00	4,444.26	4,679.24	4,401.71	20.86	30.54	-164.61	-841.21	-364.53	1,553.05	1,506.89	46.16	33.647		
4,600.00	4,542.86	4,788.12	4,510.58	21.32	30.82	-164.77	-840.81	-364.77	1,568.81	1,521.90	46.91	33.442		
4,700.00	4,641.46	4,886.69	4,609.15	21.78	31.07	-164.89	-840.32	-365.74	1,584.64	1,537.01	47.63	33.270		
4,800.00	4,740.06	4,993.45	4,715.90	22.25	31.33	-165.00	-839.37	-367.29	1,600.20	1,551.83	48.38	33.079		
4,900.00	4,838.66	5,098.60	4,821.02	22.71	31.59	-165.09	-837.97	-369.02	1,615.37	1,566.26	49.12	32.887		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,937.26	5,202.92	4,925.29	23.18	31.84	-165.15	-835.91	-371.52	1,630.08	1,580.22	49.86	32.691		
5,100.00	5,035.86	5,288.28	5,010.61	23.64	32.06	-165.19	-834.32	-373.65	1,644.94	1,594.38	50.56	32.534		
5,200.00	5,134.46	5,369.50	5,091.81	24.11	32.27	-165.25	-833.90	-375.38	1,660.99	1,609.74	51.24	32.413		
5,300.00	5,233.06	5,481.33	5,203.62	24.57	32.57	-165.34	-833.77	-377.68	1,677.48	1,625.44	52.03	32.238		
5,400.00	5,331.66	5,603.79	5,326.04	25.04	32.90	-165.43	-831.77	-379.74	1,692.35	1,639.50	52.85	32.019		
5,500.00	5,430.26	5,714.88	5,437.09	25.50	33.19	-165.54	-828.98	-380.54	1,706.20	1,652.55	53.64	31.807		
5,600.00	5,528.86	5,803.77	5,525.94	25.97	33.43	-165.62	-826.61	-381.45	1,720.00	1,665.63	54.37	31.634		
5,700.00	5,627.46	5,879.27	5,601.42	26.43	33.64	-165.68	-825.38	-382.55	1,734.87	1,679.81	55.06	31.509		
5,800.00	5,726.06	5,952.62	5,674.77	26.90	33.87	-165.77	-825.36	-383.03	1,751.14	1,695.40	55.74	31.416		
5,900.00	5,824.66	6,029.54	5,751.68	27.36	34.14	-165.90	-826.61	-382.38	1,768.74	1,712.30	56.44	31.338		
6,000.00	5,923.26	6,144.14	5,866.24	27.83	34.56	-166.12	-829.09	-380.58	1,786.78	1,729.46	57.32	31.172		
6,100.00	6,021.86	6,263.42	5,985.51	28.30	34.96	-166.30	-829.62	-380.04	1,803.30	1,745.09	58.21	30.981		
6,200.00	6,120.46	6,367.58	6,089.67	28.76	35.29	-166.43	-829.53	-379.93	1,819.41	1,760.39	59.02	30.828		
6,300.00	6,219.06	6,500.10	6,222.16	29.23	35.69	-166.53	-827.68	-381.69	1,834.57	1,774.65	59.92	30.618		
6,405.66	6,323.24	6,620.54	6,342.50	29.72	36.02	-166.55	-823.89	-385.01	1,849.01	1,788.22	60.79	30.419		
6,450.00	6,366.93	6,670.39	6,392.28	29.93	36.16	170.29	-821.94	-386.78	1,855.09	1,793.94	61.15	30.335		
6,500.00	6,415.96	6,725.91	6,447.72	30.15	36.31	150.40	-819.64	-388.45	1,862.48	1,800.90	61.58	30.245		
6,550.00	6,464.44	6,772.92	6,494.69	30.37	36.44	137.54	-817.69	-389.17	1,870.46	1,808.46	62.00	30.171		
6,600.00	6,512.08	6,805.19	6,526.94	30.58	36.54	129.10	-816.59	-389.48	1,879.44	1,817.06	62.38	30.129		
6,650.00	6,558.58	6,836.65	6,558.39	30.78	36.63	123.27	-815.79	-389.68	1,889.51	1,826.74	62.77	30.102		
6,700.00	6,603.65	6,866.50	6,588.23	30.97	36.72	118.96	-815.28	-389.83	1,900.68	1,837.52	63.16	30.093 SF		
6,750.00	6,647.02	6,894.53	6,616.26	31.15	36.81	115.57	-815.02	-390.05	1,912.95	1,849.40	63.55	30.100		
6,800.00	6,688.42	6,921.07	6,642.80	31.31	36.90	112.78	-814.97	-390.36	1,926.31	1,862.37	63.95	30.124		
6,850.00	6,727.59	6,949.34	6,671.06	31.46	36.99	110.42	-815.10	-390.80	1,940.75	1,876.39	64.36	30.156		
6,900.00	6,764.29	6,988.06	6,709.77	31.60	37.11	108.56	-815.25	-391.63	1,956.06	1,891.23	64.83	30.170		
6,950.00	6,798.30	7,023.31	6,745.01	31.73	37.22	106.86	-815.28	-392.64	1,972.19	1,906.87	65.32	30.195		
7,000.00	6,829.41	7,062.76	6,784.44	31.84	37.34	105.42	-815.12	-394.02	1,989.13	1,923.30	65.83	30.214		
7,050.00	6,857.42	7,099.05	6,820.70	32.03	37.45	104.02	-814.72	-395.48	2,006.86	1,940.50	66.36	30.242		
7,100.00	6,882.16	7,135.16	6,856.76	32.36	37.56	102.69	-814.05	-397.13	2,025.41	1,958.50	66.91	30.272		
7,150.00	6,903.48	7,171.45	6,892.97	32.73	37.66	101.42	-812.93	-399.19	2,044.75	1,977.27	67.47	30.304		
7,200.00	6,921.25	7,199.05	6,920.49	33.15	37.74	99.93	-811.74	-401.04	2,064.91	1,996.88	68.03	30.355		
7,250.00	6,935.36	7,218.40	6,939.75	33.61	37.79	98.19	-810.74	-402.49	2,085.92	2,017.36	68.56	30.425		
7,300.00	6,945.72	7,223.71	6,945.04	34.11	37.81	96.00	-810.48	-402.84	2,107.75	2,038.70	69.05	30.525		
7,350.00	6,952.26	7,227.62	6,948.94	34.65	37.82	93.76	-810.28	-403.11	2,130.28	2,060.74	69.54	30.633		
7,403.14	6,955.00	7,226.41	6,947.73	35.26	37.82	91.21	-810.35	-403.03	2,154.85	2,084.80	70.05	30.762		
7,500.00	6,955.99	7,220.80	6,942.14	36.49	37.80	91.04	-810.60	-402.68	2,201.76	2,130.77	70.99	31.015		
7,600.00	6,957.03	7,210.67	6,932.05	37.93	37.77	90.73	-811.15	-401.89	2,253.51	2,181.54	71.97	31.311		
7,700.00	6,958.06	7,201.47	6,922.89	39.52	37.75	90.46	-811.62	-401.21	2,308.41	2,235.44	72.97	31.635		
7,800.00	6,959.09	7,193.08	6,914.54	41.25	37.72	90.21	-812.02	-400.62	2,366.25	2,292.28	73.97	31.990		
7,900.00	6,960.12	7,185.41	6,906.89	43.09	37.70	89.98	-812.36	-400.09	2,426.81	2,351.85	74.95	32.378		
8,000.00	6,961.15	7,178.35	6,899.85	45.04	37.68	89.77	-812.66	-399.63	2,489.89	2,413.98	75.91	32.798		
8,100.00	6,962.18	7,171.85	6,893.37	47.08	37.66	89.57	-812.91	-399.21	2,555.32	2,478.47	76.85	33.252		
8,200.00	6,963.21	7,165.83	6,887.37	49.20	37.65	89.39	-813.13	-398.84	2,622.92	2,545.18	77.74	33.739		
8,300.00	6,964.24	7,160.25	6,881.80	51.39	37.63	89.22	-813.33	-398.51	2,692.52	2,613.92	78.60	34.256		
8,400.00	6,965.27	7,155.07	6,876.63	53.64	37.62	89.07	-813.49	-398.21	2,763.98	2,684.56	79.42	34.803		
8,500.00	6,966.30	7,150.23	6,871.80	55.95	37.60	88.92	-813.64	-397.93	2,837.16	2,756.96	80.20	35.378		
8,600.00	6,967.33	7,145.70	6,867.28	58.30	37.59	88.79	-813.78	-397.68	2,911.93	2,830.99	80.93	35.979		
8,700.00	6,968.37	7,141.47	6,863.05	60.70	37.58	88.66	-813.89	-397.46	2,988.16	2,906.53	81.63	36.605		
8,800.00	6,969.40	7,137.49	6,859.08	63.14	37.57	88.54	-813.99	-397.25	3,065.76	2,983.47	82.29	37.254		
8,900.00	6,970.43	7,133.75	6,855.35	65.60	37.56	88.43	-814.09	-397.06	3,144.62	3,061.70	82.92	37.925		
9,000.00	6,971.46	7,130.23	6,851.83	68.10	37.55	88.32	-814.17	-396.89	3,224.64	3,141.14	83.51	38.616		
9,100.00	6,972.49	7,126.90	6,848.51	70.63	37.54	88.22	-814.24	-396.73	3,305.75	3,221.69	84.06	39.325		

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 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,200.00	6,973.52	7,124.59	6,846.20	73.18	37.53	88.16	-814.29	-396.61	3,387.87	3,303.28	84.59	40.050		
9,300.00	6,974.55	7,121.12	6,842.74	75.75	37.52	88.05	-814.36	-396.45	3,470.92	3,385.84	85.08	40.794		
9,400.00	6,975.58	7,117.74	6,839.36	78.34	37.51	87.95	-814.42	-396.30	3,554.84	3,469.29	85.55	41.553		
9,500.00	6,976.61	7,114.45	6,836.07	80.94	37.50	87.85	-814.48	-396.15	3,639.57	3,553.58	85.99	42.326		
9,600.00	6,977.64	7,111.24	6,832.87	83.56	37.49	87.76	-814.53	-396.01	3,725.06	3,638.65	86.40	43.112		
9,700.00	6,978.68	7,108.11	6,829.74	86.20	37.48	87.66	-814.58	-395.87	3,811.25	3,724.45	86.80	43.910		
9,800.00	6,979.71	7,105.05	6,826.69	88.85	37.47	87.57	-814.63	-395.74	3,898.09	3,810.92	87.17	44.719		
9,900.00	6,980.74	7,102.07	6,823.71	91.51	37.46	87.48	-814.68	-395.61	3,985.55	3,898.03	87.52	45.538		
10,000.00	6,981.77	7,099.16	6,820.80	94.19	37.45	87.39	-814.72	-395.48	4,073.59	3,985.73	87.85	46.367		
10,100.00	6,982.80	7,096.32	6,817.96	96.87	37.45	87.31	-814.76	-395.36	4,162.16	4,073.99	88.17	47.205		
10,200.00	6,983.83	7,093.54	6,815.19	99.56	37.44	87.23	-814.80	-395.25	4,251.24	4,162.77	88.47	48.051		
10,300.00	6,984.86	7,090.83	6,812.48	102.27	37.43	87.15	-814.83	-395.13	4,340.79	4,252.03	88.76	48.905		
10,400.00	6,985.89	7,088.18	6,809.83	104.98	37.42	87.07	-814.87	-395.02	4,430.79	4,341.76	89.03	49.766		
10,500.00	6,986.92	7,085.58	6,807.24	107.69	37.41	86.99	-814.90	-394.92	4,521.20	4,431.91	89.29	50.633		
10,600.00	6,987.95	7,083.05	6,804.71	110.41	37.41	86.91	-814.93	-394.82	4,612.01	4,522.47	89.54	51.507		
10,700.00	6,988.99	7,080.57	6,802.23	113.14	37.40	86.84	-814.96	-394.72	4,703.19	4,613.42	89.78	52.387		
10,800.00	6,990.02	7,078.15	6,799.81	115.88	37.39	86.77	-814.98	-394.62	4,794.73	4,704.72	90.01	53.271		
10,900.00	6,991.05	7,075.78	6,797.44	118.62	37.38	86.70	-815.01	-394.52	4,886.59	4,796.36	90.22	54.161		
11,000.00	6,992.08	7,073.46	6,795.12	121.37	37.38	86.63	-815.03	-394.43	4,978.76	4,888.33	90.43	55.056		
11,100.00	6,993.11	7,071.18	6,792.85	124.12	37.37	86.56	-815.05	-394.34	5,071.23	4,980.60	90.63	55.954		
11,200.00	6,994.14	7,068.96	6,790.63	126.87	37.36	86.49	-815.07	-394.26	5,163.98	5,073.15	90.82	56.857		
11,300.00	6,995.17	7,066.78	6,788.45	129.63	37.36	86.43	-815.09	-394.17	5,256.99	5,165.98	91.01	57.764		
11,400.00	6,996.20	7,064.64	6,786.31	132.39	37.35	86.36	-815.11	-394.09	5,350.26	5,259.07	91.19	58.674		
11,500.00	6,997.23	7,062.55	6,784.22	135.16	37.34	86.30	-815.12	-394.01	5,443.76	5,352.40	91.36	59.587		
11,600.00	6,998.26	7,060.50	6,782.18	137.93	37.34	86.24	-815.14	-393.94	5,537.49	5,445.96	91.52	60.503		
11,700.00	6,999.30	7,058.49	6,780.17	140.70	37.33	86.18	-815.15	-393.86	5,631.43	5,539.74	91.68	61.422		
11,800.00	7,000.33	7,056.52	6,778.20	143.48	37.33	86.12	-815.17	-393.79	5,725.58	5,633.74	91.84	62.343		
11,900.00	7,001.36	7,054.59	6,776.27	146.26	37.32	86.06	-815.18	-393.72	5,819.92	5,727.93	91.99	63.267		
12,000.00	7,002.39	7,052.70	6,774.38	149.04	37.31	86.01	-815.19	-393.65	5,914.45	5,822.31	92.14	64.193		
12,100.00	7,003.42	7,050.84	6,772.52	151.82	37.31	85.95	-815.20	-393.58	6,009.15	5,916.87	92.28	65.121		
12,200.00	7,004.45	7,049.02	6,770.70	154.61	37.30	85.90	-815.21	-393.52	6,104.02	6,011.61	92.41	66.051		
12,300.00	7,005.48	7,047.23	6,768.91	157.40	37.30	85.84	-815.22	-393.45	6,199.05	6,106.50	92.55	66.982		
12,400.00	7,006.51	7,045.47	6,767.15	160.19	37.29	85.79	-815.23	-393.39	6,294.24	6,201.56	92.68	67.916		
12,500.00	7,007.54	7,043.75	6,765.43	162.98	37.29	85.74	-815.23	-393.33	6,389.57	6,296.76	92.80	68.850		
12,600.00	7,008.57	7,042.05	6,763.74	165.78	37.28	85.69	-815.24	-393.27	6,485.04	6,392.11	92.93	69.786		
12,700.00	7,009.61	7,040.39	6,762.08	168.58	37.28	85.64	-815.25	-393.21	6,580.64	6,487.60	93.05	70.723		
12,800.00	7,010.64	7,038.76	6,760.45	171.38	37.27	85.59	-815.25	-393.16	6,676.38	6,583.21	93.17	71.661		
12,900.00	7,011.67	7,029.00	6,758.89	174.18	37.24	85.50	-815.27	-392.83	6,772.24	6,678.99	93.25	72.627		
13,000.00	7,012.70	7,029.00	6,756.69	176.98	37.24	85.30	-815.27	-392.83	6,868.21	6,774.85	93.37	73.562		
13,100.00	7,013.73	7,029.00	6,756.69	179.78	37.24	85.30	-815.27	-392.83	6,964.30	6,870.81	93.48	74.497		
13,200.00	7,014.76	7,029.00	6,756.69	182.59	37.24	85.30	-815.27	-392.83	7,060.49	6,966.89	93.60	75.433		
13,300.00	7,015.79	7,029.00	6,756.69	185.39	37.24	85.30	-815.27	-392.83	7,156.79	7,063.08	93.71	76.370		
13,400.00	7,016.82	7,029.00	6,756.69	188.20	37.24	85.30	-815.27	-392.83	7,253.19	7,159.36	93.82	77.307		
13,500.00	7,017.85	7,029.00	6,756.69	191.01	37.24	85.30	-815.27	-392.83	7,349.68	7,255.75	93.93	78.245		
13,600.00	7,018.88	7,029.00	6,756.69	193.82	37.24	85.30	-815.27	-392.83	7,446.27	7,352.23	94.04	79.183		
13,700.00	7,019.91	7,029.00	6,756.69	196.63	37.24	85.30	-815.27	-392.83	7,542.94	7,448.80	94.14	80.121		
13,800.00	7,020.95	7,029.00	6,756.69	199.44	37.24	85.30	-815.27	-392.83	7,639.70	7,545.46	94.25	81.059		
13,900.00	7,021.98	7,029.00	6,756.69	202.26	37.24	85.30	-815.27	-392.83	7,736.55	7,642.20	94.35	81.998		
14,000.00	7,023.01	7,029.00	6,756.69	205.07	37.24	85.30	-815.27	-392.83	7,833.47	7,739.02	94.45	82.936		
14,100.00	7,024.04	7,029.00	6,756.69	207.89	37.24	85.30	-815.27	-392.83	7,930.47	7,835.92	94.55	83.875		
14,200.00	7,025.07	7,029.00	6,756.69	210.70	37.24	85.30	-815.27	-392.83	8,027.54	7,932.89	94.65	84.813		
14,300.00	7,026.10	7,029.00	6,756.69	213.52	37.24	85.30	-815.27	-392.83	8,124.69	8,029.94	94.75	85.751		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,400.00	7,027.13	7,029.00	6,750.69	216.34	37.24	85.30	-815.27	-392.83	8,221.90	8,127.05	94.84	86.689		
14,500.00	7,028.16	7,029.00	6,750.69	219.16	37.24	85.30	-815.27	-392.83	8,319.18	8,224.24	94.94	87.626		
14,600.00	7,029.19	7,029.00	6,750.69	221.98	37.24	85.30	-815.27	-392.83	8,416.52	8,321.49	95.03	88.563		
14,700.00	7,030.22	7,029.00	6,750.69	224.80	37.24	85.30	-815.27	-392.83	8,513.92	8,418.80	95.13	89.500		
14,800.00	7,031.26	7,029.00	6,750.69	227.62	37.24	85.30	-815.27	-392.83	8,611.39	8,516.17	95.22	90.437		
14,900.00	7,032.29	7,029.00	6,750.69	230.44	37.24	85.30	-815.27	-392.83	8,708.91	8,613.60	95.31	91.372		
15,000.00	7,033.32	7,029.00	6,750.69	233.26	37.24	85.30	-815.27	-392.83	8,806.48	8,711.08	95.40	92.308		
15,100.00	7,034.35	7,029.00	6,750.69	236.09	37.24	85.30	-815.27	-392.83	8,904.11	8,808.62	95.49	93.243		
15,200.00	7,035.38	7,029.00	6,750.69	238.91	37.24	85.30	-815.27	-392.83	9,001.80	8,906.21	95.58	94.177		
15,300.00	7,036.41	7,029.00	6,750.69	241.74	37.24	85.30	-815.27	-392.83	9,099.53	9,003.86	95.67	95.110		
15,400.00	7,037.44	7,029.00	6,750.69	244.56	37.24	85.30	-815.27	-392.83	9,197.31	9,101.55	95.76	96.043		
15,500.00	7,038.47	7,029.00	6,750.69	247.39	37.24	85.30	-815.27	-392.83	9,295.14	9,199.29	95.85	96.975		
15,600.00	7,039.50	7,029.00	6,750.69	250.21	37.24	85.30	-815.27	-392.83	9,393.01	9,297.08	95.94	97.906		
15,700.00	7,040.53	7,029.00	6,750.69	253.04	37.24	85.30	-815.27	-392.83	9,490.93	9,394.91	96.03	98.837		
15,800.00	7,041.57	7,029.00	6,750.69	255.87	37.24	85.30	-815.27	-392.83	9,588.89	9,492.78	96.11	99.766		
15,900.00	7,042.60	7,029.00	6,750.69	258.70	37.24	85.30	-815.27	-392.83	9,686.90	9,590.70	96.20	100.695		
16,000.00	7,043.63	7,029.00	6,750.69	261.53	37.24	85.30	-815.27	-392.83	9,784.94	9,688.65	96.29	101.623		
16,100.00	7,044.66	7,029.00	6,750.69	264.35	37.24	85.30	-815.27	-392.83	9,883.02	9,786.65	96.37	102.550		
16,200.00	7,045.69	7,029.00	6,750.69	267.18	37.24	85.30	-815.27	-392.83	9,981.15	9,884.69	96.46	103.476		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 25N-3B-L
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 25N-3B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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

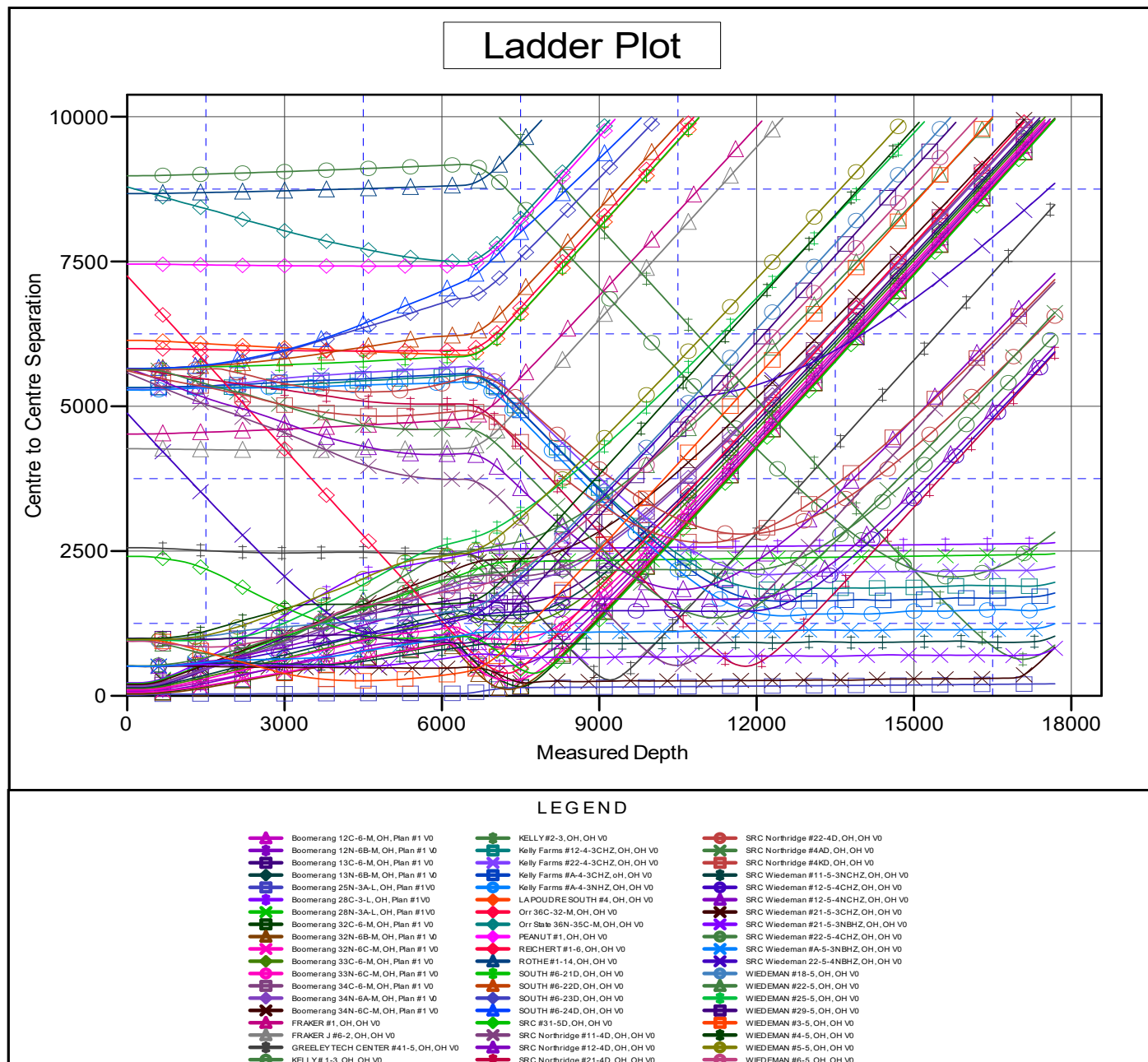
Offset Depths are relative to Offset Datum

Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 25N-3B-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°



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

Local Co-ordinate Reference: Well Boomerang 25N-3B-L
TVD Reference: GL 4770+KB 20 @ 4790.00ft
MD Reference: GL 4770+KB 20 @ 4790.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.45 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

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

Offset Depths are relative to Offset Datum

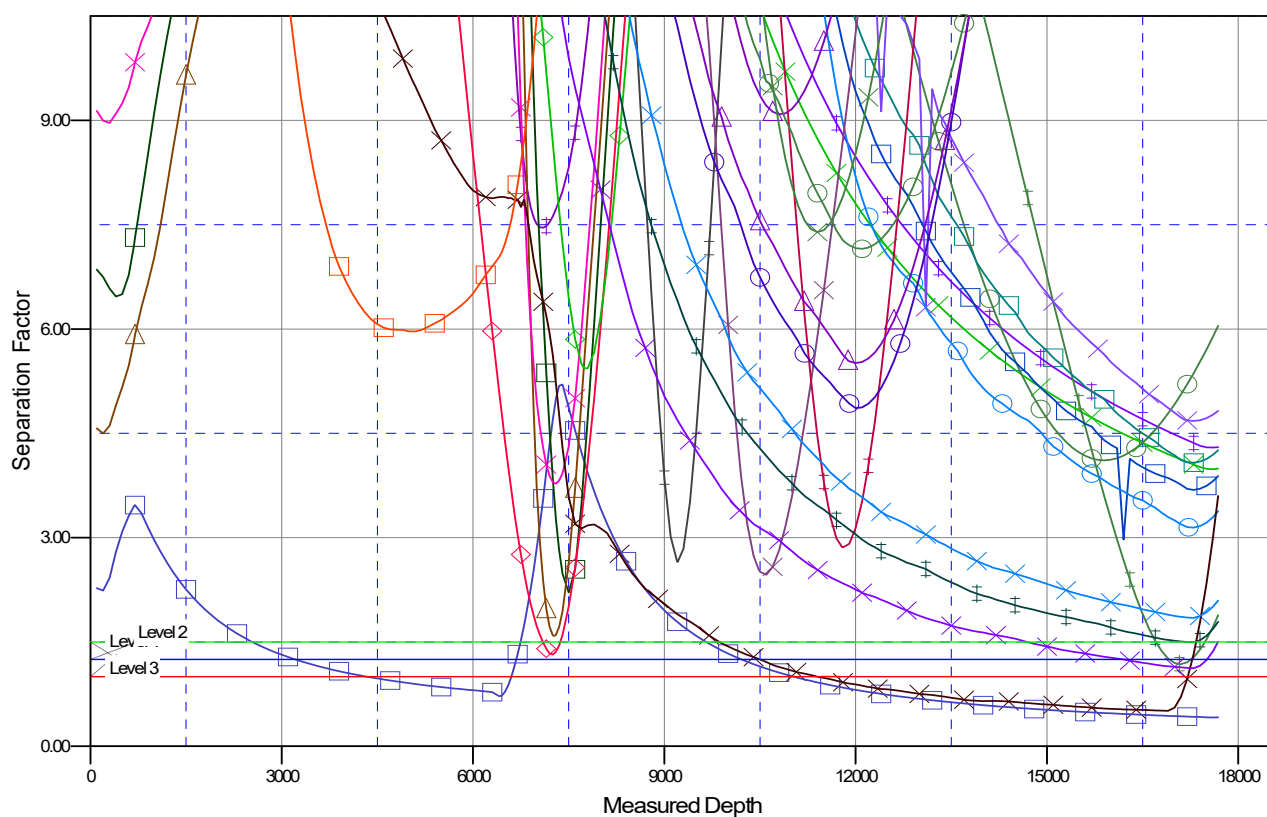
Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 25N-3B-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

Boomerang 12C-6-M, OH, Plan #1 V0	KELLY#2-3, OH, OH V0	SRC Northridge #22-4D, OH, OH V0
Boomerang 12N-6B-M, OH, Plan #1 V0	Kelly Farms #12-4-3CHZ, OH, OH V0	SRC Northridge #44D, OH, OH V0
Boomerang 13C-6-M, OH, Plan #1 V0	Kelly Farms #22-4-3CHZ, OH, OH V0	SRC Northridge #4KD, OH, OH V0
Boomerang 13N-6B-M, OH, Plan #1 V0	Kelly Farms #A-4-3CHZ, OH, OH V0	SRC Wiedeman #11-5-3NBHZ, OH, OH V0
Boomerang 25N-3A-L, OH, Plan #1 V0	Kelly Farms #A-4-3NBZ, OH, OH V0	SRC Wiedeman #12-5-4CHZ, OH, OH V0
Boomerang 28C-3-L, OH, Plan #1 V0	LAPOUDRE SOUTH #4, OH, OH V0	SRC Wiedeman #12-5-4NBHZ, OH, OH V0
Boomerang 28N-3A-L, OH, Plan #1 V0	Orr 36C-32-M, OH, OH V0	SRC Wiedeman #21-5-3CHZ, OH, OH V0
Boomerang 32C-6-M, OH, Plan #1 V0	Orr State 36N-35C-M, OH, OH V0	SRC Wiedeman #21-5-3NBHZ, OH, OH V0
Boomerang 32N-6B-M, OH, Plan #1 V0	PEANUT #1, OH, OH V0	SRC Wiedeman #22-5-4CHZ, OH, OH V0
Boomerang 32C-6-M, OH, Plan #1 V0	RECHERT #1-6, OH, OH V0	SRC Wiedeman #A-5-3NBHZ, OH, OH V0
Boomerang 33C-6-M, OH, Plan #1 V0	ROTHE #1-14, OH, OH V0	SRC Wiedeman #22-5-4NBHZ, OH, OH V0
Boomerang 33N-6C-M, OH, Plan #1 V0	SOUTH #6-21D, OH, OH V0	WIEDEMAN #18-5, OH, OH V0
Boomerang 34C-6-M, OH, Plan #1 V0	SOUTH #6-22D, OH, OH V0	WIEDEMAN #22-5, OH, OH V0
Boomerang 34N-6A-M, OH, Plan #1 V0	SOUTH #6-23D, OH, OH V0	WIEDEMAN #25-5, OH, OH V0
Boomerang 34N-6C-M, OH, Plan #1 V0	SOUTH #6-24D, OH, OH V0	WIEDEMAN #29-5, OH, OH V0
FRAKER #1, OH, OH V0	SRC #31-5D, OH, OH V0	WIEDEMAN #3-5, OH, OH V0
FRAKER J #6-2, OH, OH V0	SRC Northridge #11-4D, OH, OH V0	WIEDEMAN #4-5, OH, OH V0
GREELEYTECH CENTER #41-5, OH, OH V0	SRC Northridge #12-4D, OH, OH V0	WIEDEMAN #5-5, OH, OH V0
KELLY#1-3, OH, OH V0	SRC Northridge #21-4D, OH, OH V0	WIEDEMAN #6-5, OH, OH V0